

User Guide

Multisite System Manager 3.0

Central lighting monitoring
and management of Multisite
connected sites



 **signify**
interact

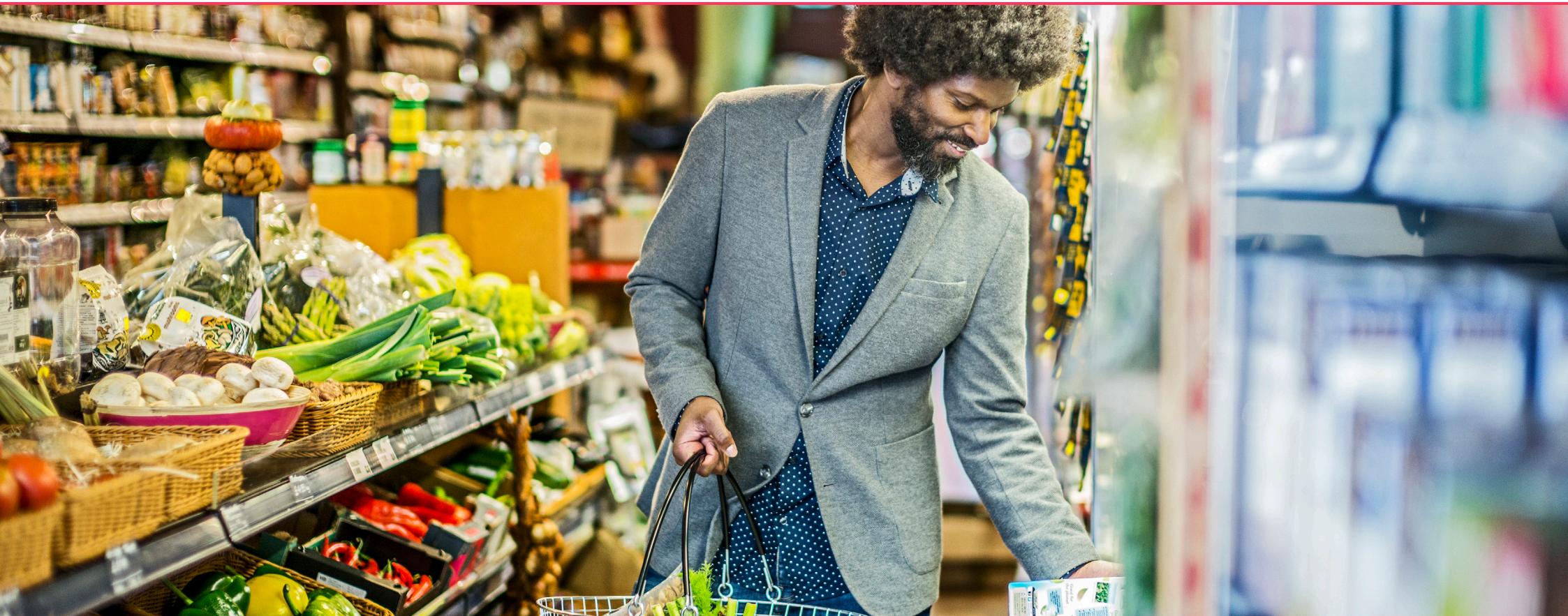
www.interact-lighting.com

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01 General



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01 General

1.1 About the document

The document relates to Interact Multisite System Manager.

This document describes functionality of the user interface and how to operate it.

① Important

The documentation may include legacy terminology for Signify products. See www.signify.com/global for latest and complete Signify product portfolio and names.

1.2 Intended audience

The information in this guide is specifically intended for the users that centrally monitor and manage lighting systems of sites that are connected via Multisite.

The instructions are clearly identified to different roles and their corresponding capabilities in using the user interface.

1.3 Related documents

Refer to other documents for more information:

- **System Guide**
describes the system design and how this design can support the requirements of a customer.
- **Commissioning Guide**
describes the installation and deployment of the lighting system.
- **Security Statement**
describes end-to-end system security that guarantees data confidentiality, integrity, and availability.
- **Project intake form (Project template)**
guides and simplifies the onboarding process of a customer and a new site to Interact Multisite System Manager.
- **Bill of Materials**
overview of all components and their 12nc ordering codes.
- **Technical Note**
provides information with a focus on additional tasks that require attention only once.

01 General

1.4 Abbreviations

The following abbreviations are used throughout the document:

Abbreviation	Explanation
BMS	Building Management System
BoM	Bill of Materials
DALI	Digital Addressable Lighting Interface communication protocol
DMX	Digital MultipleXed communication protocol
DSI	Digital Serial Interface communication protocol
HVAC	Heating, ventilation, and air conditioning
IR	Infrared
PDDEG-S	Philips Dynalite DIN-rail Ethernet Gateway – Supervisor (in short: Site Gateway)

Abbreviation	Explanation
PDEB	Philips Dynalite Ethernet Bridge (in short: Ethernet Bridge)
PDEG	Philips Dynalite Ethernet Gateway (in short: Ethernet Gateway)
PE	Photo electric
PIR	Passive Infrared
PWM	Pulse-Width Modulation phase cut dimming
C-ROC	Signify Customer Remote Operating Center
UI	User interface

01 General

1.5 Terms and definitions

The following terms and definitions are used throughout the document:

Term	Definition
Format	A group of sites with similar design or style (In retail also known as the formula). Every site belongs to only one format
Area	A lighting control area (for example Sales floor or Back of house)
Scene	A specific set of light levels that can be edited and recalled
Child area	A lighting control zone (like Bakery or Fresh food) included inside an Area (for example Sales floor)
Logical channel	A lighting control sub-zone included inside a Child area (like Bakery spots or Bakery counter)
Concepts	Light concept including the defined areas, scenes, child areas, logical channels etc. to be used in a format
Schedules	Set of all scheduled events (simple events, special events, holidays) that automatically control the lighting of the sites in a specific format

Term	Definition
Astronomical timeclock	The ability to control and schedule the light levels depending on sunrise and sunset times (day and night mode)
Deployment	A concept and schedule ready for transfer to either one site or multiple sites
Draft (state)	Deployment in preparation
Deployed (state)	Deployment in use
Archived (state)	Deployment no longer in use
Online status	Shows whether the Site Gateway is online or offline
Not requested	No workorders available; site not in execution phase
Under preparation	Workorders created and execution phase in progress
Operational	Workorders are resolved/closed, site operational
Subscription	Actual status of the contract(s) and license(s)
(Not) deployed	Shows whether the site is functional (or not)

01 General

Term	Definition
Functional test	Functional test confirms the integrity of the emergency circuit and the correct operation of an emergency fixture, changeover device, and battery emergency power supply. This test simulates a power failure to check whether the driver correctly switches to battery power.
Duration test	Duration test verifies whether the battery has sufficient capacity to illuminate the emergency fixtures for the rated duration.
Emergency test configuration	Consists of one or more emergency test groups and the test type (duration or functional test). Emergency test configurations simplify scheduling and reporting

01 General

1.6 Symbols

The dashboard user interface (UI) uses intuitive symbols and colors. The overview shows an overview of the colors and symbols used.

Item	Definition
 / 	Critical issue Requires immediate attention
 / 	Minor issue Requires attention
	Status OK System operates as expected
	In progress A process is running in the background
 / 	Filter Hover over the icon to show a selection to limit the output on the screen; shows in color in case a filter is applied
 / 	Sort Click to sort the output on the screen respectively ascending or descending; in case sorting is applied, the colored arrow shows the direction of the sorting
	Action menu Click to show actions related to the purpose of the page

Item	Definition
	Rotating wheel Indicating that an action is in progress (for example collection data to show)
 / 	Notification Important messages for the user, for example upcoming server maintenance. The orange dot indicates that new items are available, the number shows the number of messages available
 / 	Additional information dropdown The green dot indicates that new items are available
	User profile, language selection Hover over the login name to select another languages
 / 	Expand/collapse the side menu In expanded view, also the menu name shows

02 System introduction



2.1 System architecture

2.2 Dashboard

02 System introduction

2.1 System architecture

The Multisite system enables central monitoring and management of lighting systems in multiple sites. This enables people working at the headquarters of a brand possibilities in managing the brand promise over the stores, differentiating over different formats of the brand.

2.1.1 Multisite

The different sites send their data to the cloud. This data is used to show aggregated or site-specific overviews of the connected sites. The basis of each onsite system is the Philips Dynalite Ethernet Gateway (PDDEG-S), that functions as the central 'site controller', interconnecting the onsite system with the cloud.

Internet access is provided through the IT network of the customer or, optionally via a 4G-router with managed connectivity service offered by Signify optionally.

2.1.2 Onsite

The Store system provides maximum flexibility to the onsite lighting system.

The Store system is available in the following topology:

- Wired

The control options of the Store system provides maximum flexibility to the onsite lighting system.

02 System introduction

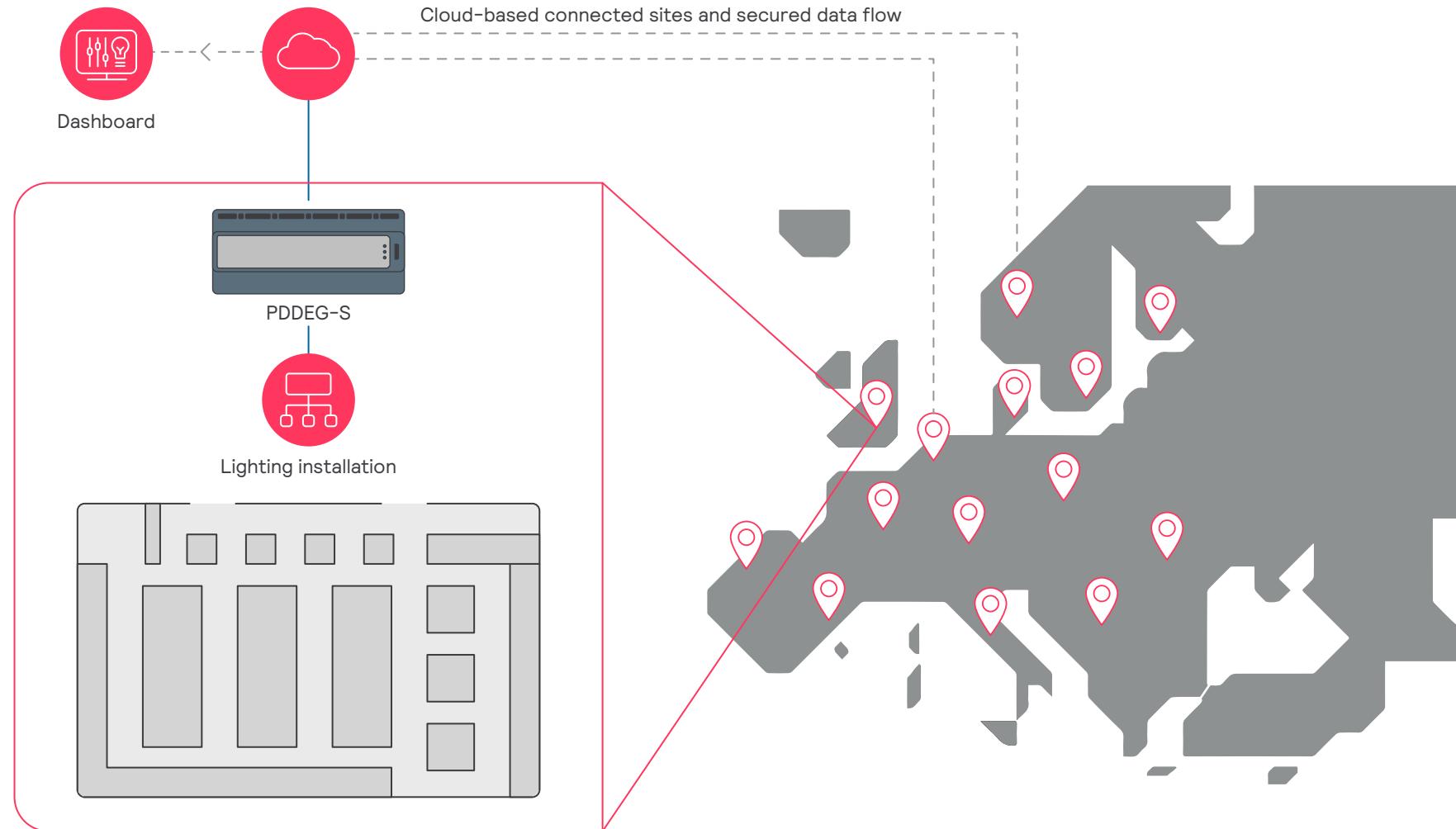


Figure 1. A scalable lighting system that connects multiple sites to a single dashboard via the cloud

02 System introduction

2.1.3 Dashboard

The Interact Multisite System Manager dashboard brings all data to the fingers of the user, depending on the roles and tasks of the person logged in.

Access to the system is limited only to authorized users. To request user access please contact your local Signify support team.

2.2 Dashboard

The dashboard shows the required data logically grouped per selected filter on customer and site level:

- Format
- Site
- Contracts
- Licenses

The tasks are adjusted to the person logged in, preventing people making accidental changes to the settings.

2.2.1 Prerequisites

To be able to access the Interact Multisite System Manager dashboard, the following prerequisites must be in place:

- Correct access rights as user
- Valid subscription for the site(s)
- Site(s) are operational and connected

2.2.2 Assets

The **Assets** tab shows a traffic light overview of the actual information for all your sites, including system health status, emergency light testing, status of licenses and deployments etcetera. It is possible to switch between a dashboard and list view.

2.2.3 Light control

In the **Light control** tab, you can manage the concepts, schedules, deployments, and sites. The live validation options give you the possibility to view your settings onsite.

02 System introduction

2.2.4 Energy

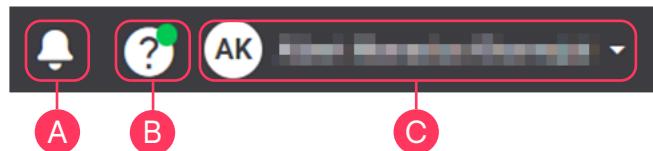
The glanceable dashboard of the **Energy** tab shows all kind of energy data, like historical energy consumption trends, site comparison and energy savings breakdowns.

2.2.5 Configuration

The **Configuration** tab shows per format the overview of the areas and the applicable scenes.

2.2.6 Information

The information section provides additional information about several items:



A. Click  to open the **Notifications**, showing information on upcoming maintenance.

Notifications

A system update will take place on:

Date: Monday, June 24th 2024

Time: 02:00 UTC

OK

Note

The orange dot shows the number of messages available.

B. Hover over  to see the dropdown with additional information.



Software brochure

Updated

User guide

Release notes

Terms of software service

Privacy notice

02 System introduction

Note

A green dot shows in the icon when items are updated. The dropdown menu also shows the updated item(s).

C. At , you see the username of the user that is currently logged in. Hover over the icon or the name to see the dropdown.



Note

In this dropdown, it's possible to change the interface language or logout from the dashboard.

The available languages are:

- English
- German
- Dutch
- Danish
- French
- Italian
- Spanish
- Polish
- Portuguese
- Russian
- Japanese

02 System introduction

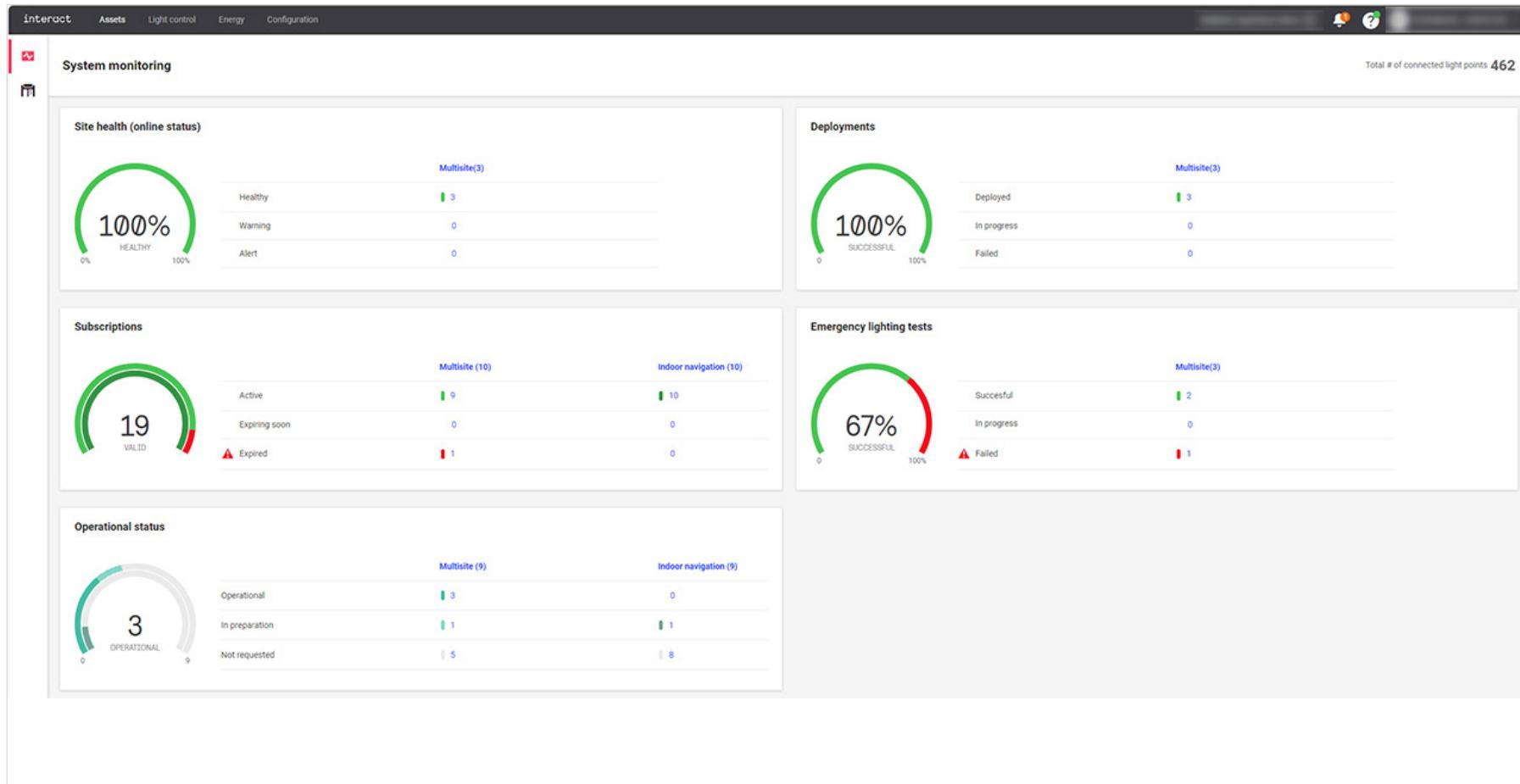


Figure 2. A screenshot of the dashboard showing data for a specific customer

03 Roles and tasks



3.1 Facility manager

3.2 Formula manager

3.3 Store manager

3.4 Store staff

03 Roles and tasks

Below an overview of the users that have interaction with Interact Multisite System Manager. See [Appendix A Roles and responsibilities](#) for more information.

3.1 Facility manager

The role of the facility manager is also known as energy manager. People in this role are responsible for:

- Supplier management of building contractors; store realization and renovations including on-time store opening
- Ensures proper management and maintenance of sites, coordinating maintenance and adjustments to onsite equipment, installations, infrastructure, and installations
- Creates and maintains conditions so that all employees can perform their work properly and efficiently, keeping the budgetary responsibilities in mind

- Energy management
- Process optimization and monitoring security

The facility manager uses Interact Multisite System Manager to:

- Lighting asset management
 - Monitoring system health
 - Monitoring and downloading emergency test reports
 - Centralized name conventions
 - Etcetera
- Energy monitoring
 - Notional energy
 - Metered energy
- Scene and schedule management
 - Viewing of current and upcoming scenes
 - Emergency cases
 - Etcetera

03 Roles and tasks

3.2 Formula manager

The role of formula manager is also known as format or concept manager. People in this role are responsible for:

- Updating brand formats
- Development of new store formats, mostly in a central team
- Concept development, design and lay-out
 - Guide the design agency by inspiring and presenting concept ideas
 - Develop and present vision of format.
- Conduct analysis and research and develop unit strategy per format (content – shape- presentation of theme's – communication)
- Realize formats and implement updates/new formats in stores
- Roll-out of updates and changes to format

Each format may have its own formula manager.

The formula manager uses Interact Multisite System Manager to:

- Scene & schedule management
 - Remote adjustments
 - Deployment of formula
 - Access to (groups of) stores in the formula
 - Etcetera

03 Roles and tasks

3.3 Store manager

People in this role are responsible for:

- Store management and operations, supply, sales, customer service, staff management
- Improving sales, productivity, and profit
- Maximizing the store processes to spend as much time as possible on the shop floor
- Analyze sales figures and respond to them to improve sales
- Coaching and training the team to improve performance
- Making staff rosters, payroll and responsible for the recruitment process
- Collaborate with the District Manager and Back Office partners.

The store manager has access to:

- Local temporally manual override via wall button switch or wall panel.

3.4 Store staff

For any other employee in the store, like cashiers, stocking personnel etcetera, a wall button switch or wall panel is available. With this switch or panel, the local manual override can be activated. This function bypasses the automatic schedules of the system. After two hours or at the next scheduled event, the system switches back to automatic operation.

04 Assets



4.1 System monitoring and site list

4.2 Detailed site view

4.3 Emergency test

04 Assets

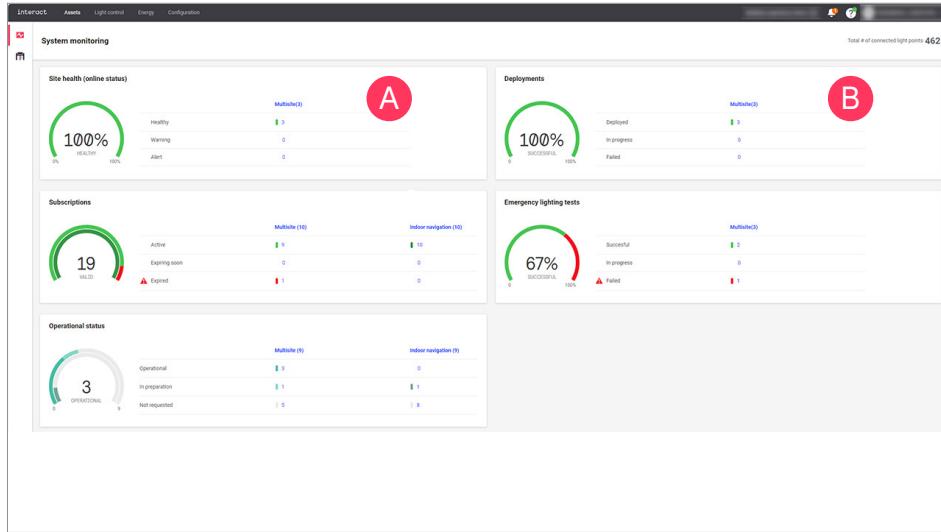
The Assets menu gives an overview of all your sites in a single dashboard. This dashboard shows you the most relevant information about your sites, including:

- System health status
- Status of deployments
- Status of subscriptions
- Status of connected emergency light testing
- Overview of sites that are operational or in deployment

On the dashboard, it's easy to toggle between list view and detailed site view, and search and filter functions help finding the information for the site(s) you are looking for.



04 Assets

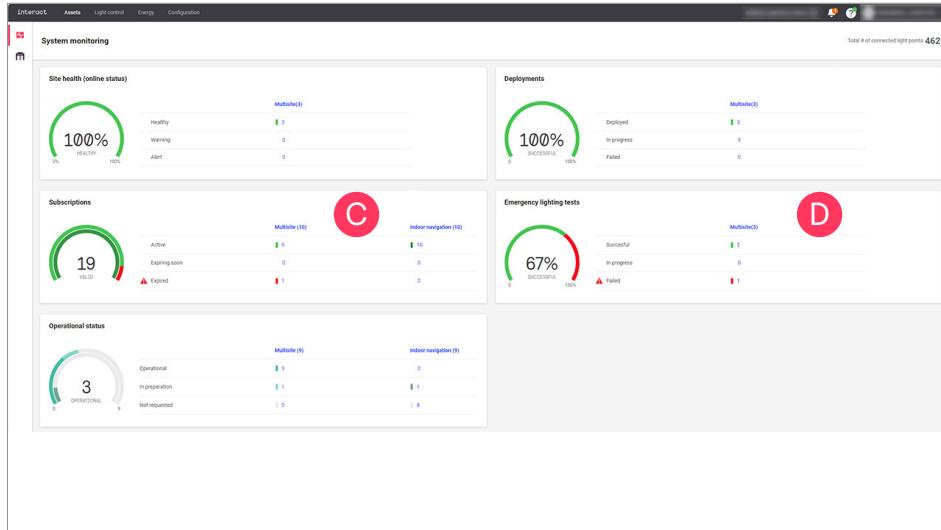


4.1 System monitoring and site list

System monitoring provides you an overview of the status of all your connected sites, either Multisite or Indoor Navigation. This document explains only the Multisite functions.

1. In the menu, click **Assets**. The Dashboard () shows consisting of the following performance indicators:
 - A. Site health:** online status of each site:
 - **Healthy:** no issues
 - **Warning:** site experiences minor issues, requires attention
 - **Alert:** site experiences critical issues, requires immediate attention
 - B. Deployments:** deployment status of each site:
 - **Deployed:** OK
 - **In progress:** a deployment is running
 - **Failed:** the deployment was not successful, requires attention

04 Assets



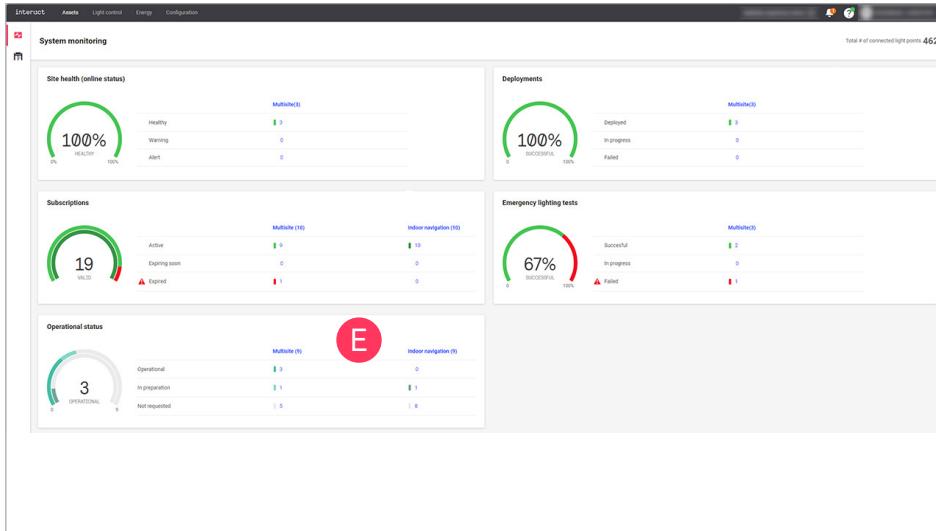
C. Subscriptions: overview of the subscriptions of each site:

- **Active:** OK
- **Expiring soon:** licenses are approaching their date of expiry, extend the licenses to avoid losing access in the data
- **Expired:** there are expired licenses, renew to get access to the data

D. Emergency lighting tests: provides the status of last emergency lighting test of each site:

- **Successful:** functional and duration tests of all emergency lights are successful
- **In progress:** tests are not yet scheduled or executed or tests are in progress
- **Failed:** functional and/or duration tests of emergency lights are failed

04 Assets



The screenshot shows the Site list page with the following table:

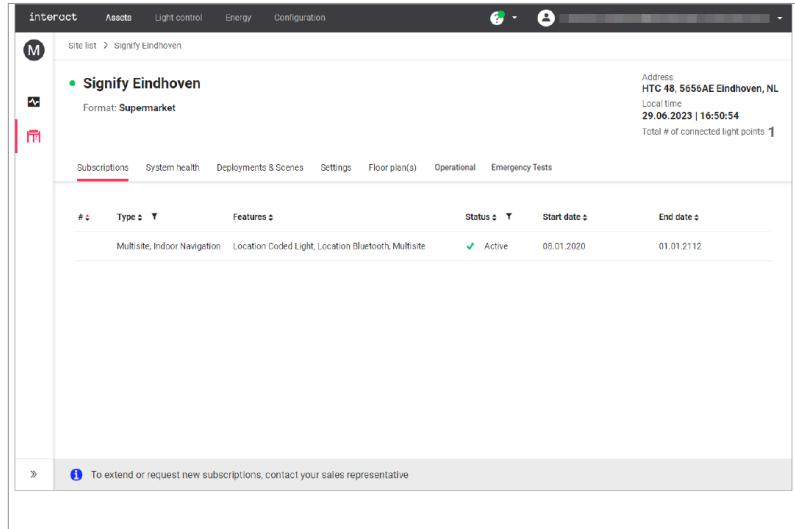
#	Site name	# conn. lights	Format	Subscription	Connectivity	Health	Operational	Deployment	Emergency tests
5427653 (V2)	Integration Test For...	88	Integration Test For...	None	None	In progress	✓	None	
54880558 (V2)	Integration Test For...	54	Integration Test For...	✓	None	None	In progress	✓	None
5488690 (V2)	Integration Test For...	66	Integration Test For...	✓	None	In progress	✓	None	
5489815 (V2)	Integration Test For...	21	Integration Test For...	✓	None	In progress	✓	None	⚠
5891480 (V2)	Integration Test For...	5	Integration Test For...	✓	None	In progress	✓	✓	None
6004338 (V3)	Integration Test For...	54	Integration Test For...	✓	None	In progress	✓	✓	None

E. Operational status

- Operational:** site operational and handed over to the customer
- In preparation:** open workorders in place for design, installation, and commissioning
- Not requested:** site created, no open workorders

- Click the **Site list** () or **Multisite** indicating the column in any of the performance indicators to access the detailed list of sites.
- Use the sorting () and filter () tools to define and limit the sites shown in the Site list.
- Click **Dashboard** () to revert to the initial dashboard screen.

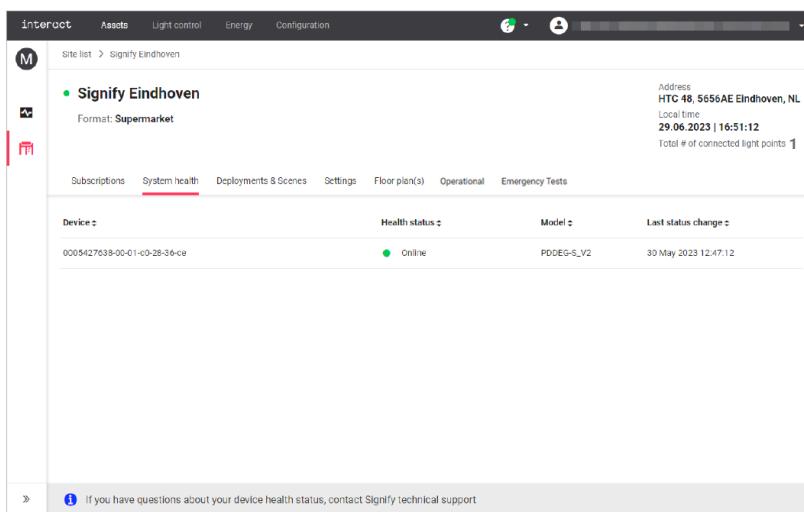
04 Assets



The screenshot shows the 'Assets' tab selected in the top navigation bar. The main content area displays the details for the 'Signify Eindhoven' site. The 'Subscriptions' tab is active, showing a table with one row: Multisite, Indoor Navigation, Location Coded Light, Location Bluetooth, Multisite. The status is 'Active' with a start date of 08.01.2020 and an end date of 01.01.2112. The top right corner shows the site's address: HTC 48, 5656AE Eindhoven, NL, local time 29.06.2023 | 16:50:54, and a total of 1 connected light point. A note at the bottom encourages users to contact their sales representative for new subscriptions.

4.2 Detailed site view

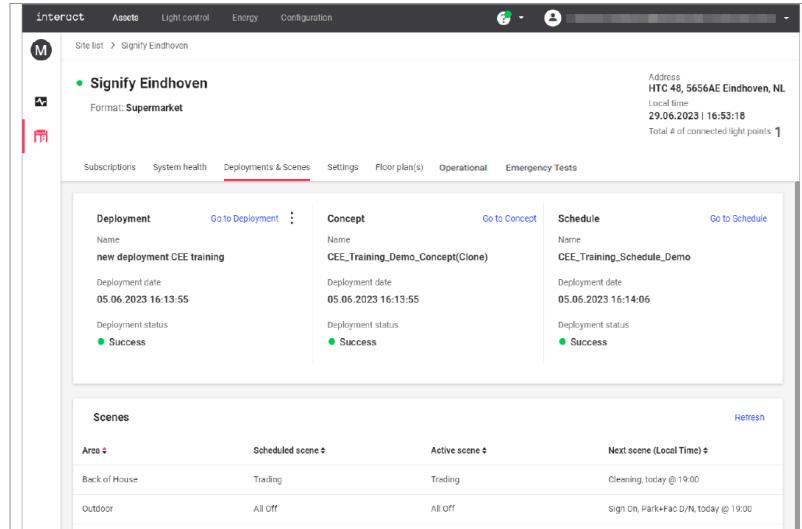
1. In the *Site list*, click on the row of a specific site to access the details of that site.
 - **Subscriptions:** shows the licenses linked to the site and their status. To extend, or request new subscriptions, contact your sales representative.



The screenshot shows the 'Assets' tab selected in the top navigation bar. The main content area displays the details for the 'Signify Eindhoven' site. The 'System health' tab is active, showing a table with one row: Device 0005427638-00-01-c0-28-36-c8, Health status Online, Model PDEG-S_V2, and Last status change 30 May 2023 12:47:12. The top right corner shows the site's address: HTC 48, 5656AE Eindhoven, NL, local time 29.06.2023 | 16:51:12, and a total of 1 connected light point. A note at the bottom encourages users to contact Signify technical support for device health status.

- **System health:** shows if the gateway of the site is online or any other status. In case you have questions about the health status, contact Signify technical support.

04 Assets



Site list > Signify Eindhoven

Signify Eindhoven
Format: Supermarket

Address: HTC 48, 5656AE Eindhoven, NL
Local time: 29.06.2023 | 16:53:18
Total # of connected light points: 1

Subscriptions System health Deployments & Scenes Settings Floor plan(s) Operational Emergency Tests

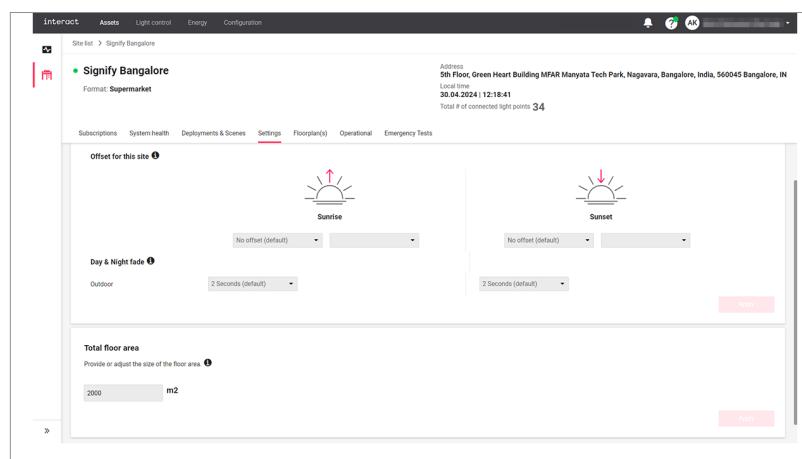
Deployment Go to Deployment Concept Go to Concept Schedule Go to Schedule

Deployment	Concept	Schedule
Name: new deployment CEE training	Name: CEE_Training_Demo_Concept(Clone)	Name: CEE_Training_Schedule_Demo
Deployment date: 05.06.2023 16:13:55	Deployment date: 05.06.2023 16:13:55	Deployment date: 05.06.2023 16:14:06
Deployment status: Success	Deployment status: Success	Deployment status: Success

Scenes

Area	Scheduled scene	Active scene	Next scene (Local Time)
Back of House	Trading	Trading	Cleaning, today @ 19:00
Outdoor	All Off	All Off	Sign On, Park+Fac D/N, today @ 19:00

- **Deployments & Scenes:** shows the current deployment, concept, and schedule as well as details of the currently running scene; see sections [5.6.1 Overview](#) and [5.6.2 Scenes](#) for more information.



Site list > Signify Bangalore

Signify Bangalore
Format: Supermarket

Address: 5th Floor, Green Heart Building MFAR Manya Tech Park, Nagavara, Bangalore, India, 560045 Bangalore, IN
Local time: 30.04.2024 | 12:18:41
Total # of connected light points: 34

Subscriptions System health Deployments & Scenes Settings Floor plan(s) Operational Emergency Tests

Offset for this site

Sunrise: No offset (default) Sunset: No offset (default)

Day & Night fade

Outdoor: 2 Seconds (default)

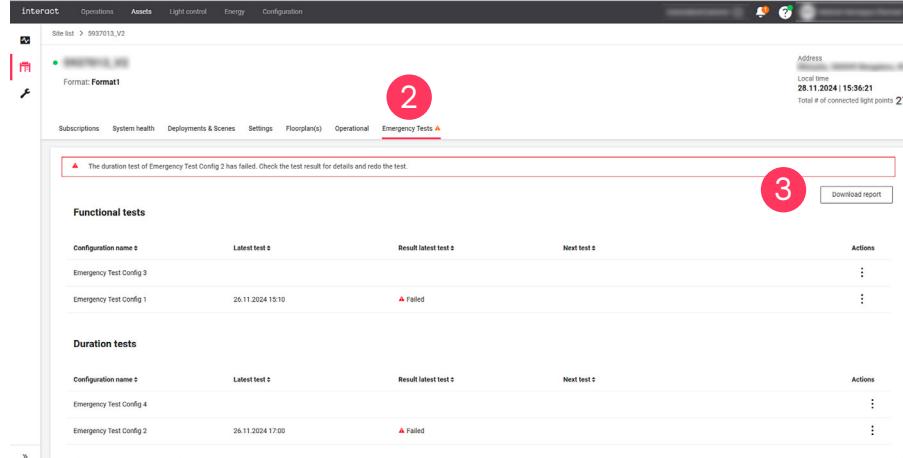
Total floor area: 2000 m²

- **Settings:** used to set generic settings that are applicable for the selected site, see section [5.6.3 Settings](#) for more information.

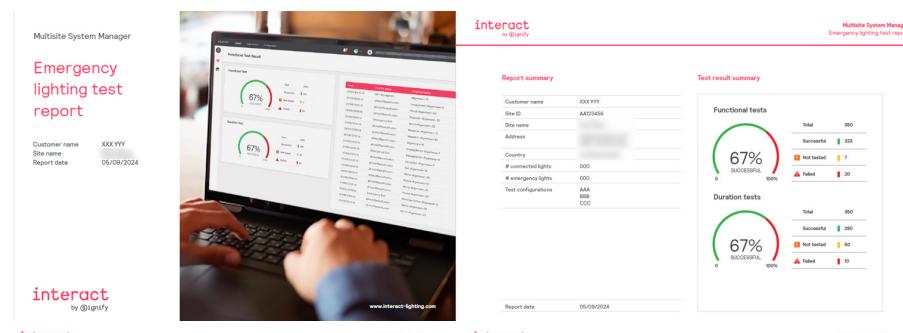
04 Assets

- **Emergency Tests:** shows the overview information of each test configuration for both functional and duration tests for the selected site. Click Download report button to download the detailed test report comprising the results of the latest functional and duration tests. The Actions menu (⋮) provides an option to view more details of the test results. For more details, refer to the section [4.3 Emergency test](#).

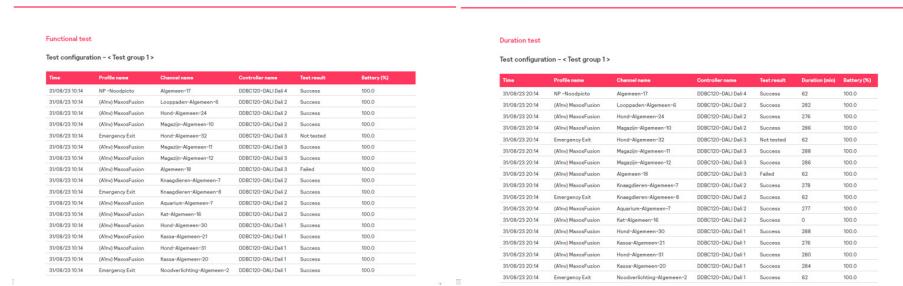
04 Assets



The screenshot shows the interact software interface. At the top, there is a navigation bar with tabs: interact, Operations, Assets, Light control, Energy, and Configuration. Below the navigation bar, the site list is shown with a specific site selected: '9537013, V2'. The site details include an address, local time (28.11.2024 | 15:36:21), and a total of 27 connected light points. The 'Emergency Tests' tab is highlighted with a red circle containing the number '2'. Below this, there are two sections: 'Functional tests' and 'Duration tests', each listing a configuration name, latest test date, result of the latest test (Failed), and an 'Actions' column. A red circle containing the number '3' is positioned over the 'Download report' button.



The screenshot shows a detailed emergency lighting test report. It includes sections for 'Report summary' and 'Test result summary'. The 'Report summary' section shows customer name (XXX YYY), site ID (AA023456), and report date (05/09/2024). The 'Test result summary' section shows two charts: 'Functional tests' and 'Duration tests', both with a success rate of 67% and 360 total points. Below these charts, there are breakdowns for successful, not tested, and failed points. A red circle containing the number '3' is positioned over the 'Report date' field.



The screenshot shows a detailed emergency lighting test report with a table of test configurations. The table has columns for Time, Profile name, Channel name, Controller name, Test result, and Battery (%) for various dates from 20/08/23 to 04/09/23. The table shows numerous successful tests across different controllers and channels. A red circle containing the number '3' is positioned over the first row of the table.

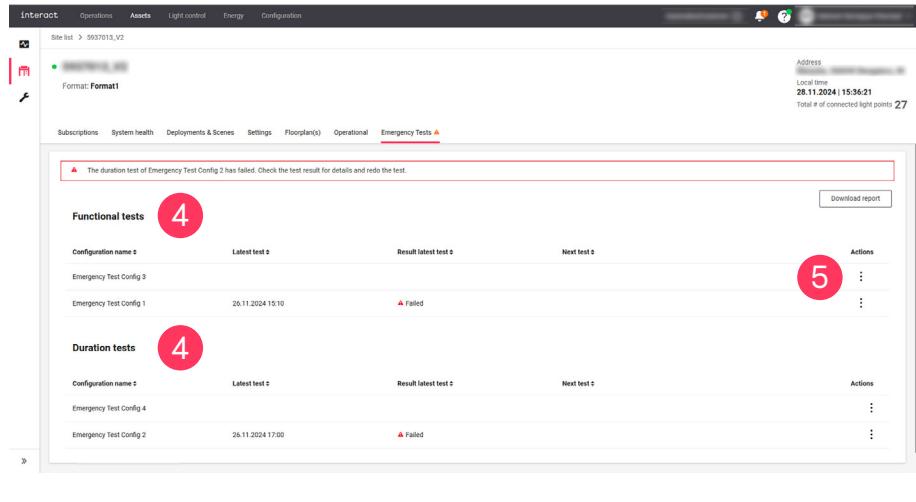
Sample screenshots of an emergency lighting test report

4.3 Emergency test

This section provides an instruction to access the detailed information of emergency tests.

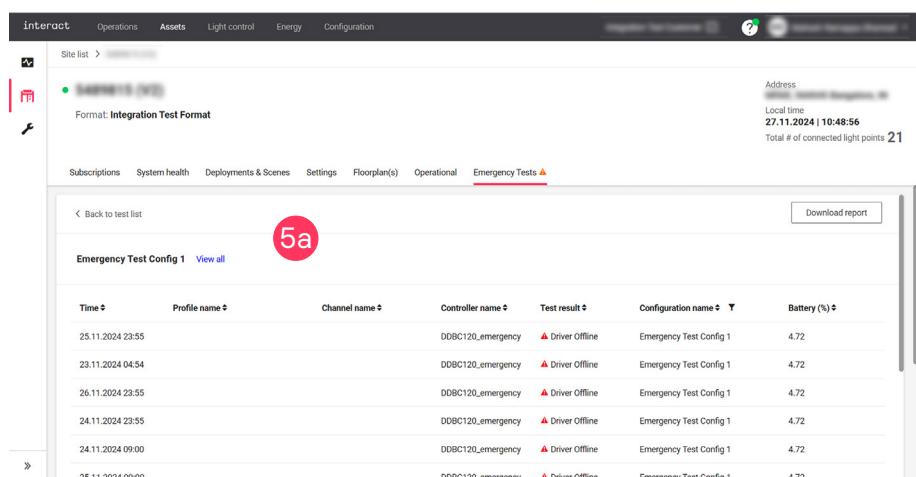
1. In the **Site list**, click on a specific site to access the details of that site.
2. Click the **Emergency Tests** tab to view the details of functional tests and duration tests.
3. Click **Download report** button to download the emergency lighting test report of the selected site in PDF file format

04 Assets



The screenshot shows the 'Emergency Tests' section of the interface. It displays two tables: 'Functional tests' and 'Duration tests'. The 'Functional tests' table has one entry for 'Emergency Test Config 1' with a 'Failed' result. The 'Duration tests' table has two entries, both for 'Emergency Test Config 1' with 'Failed' results. A red circle labeled '4' is over the 'Functional tests' table, and another red circle labeled '5' is over the 'Actions' menu for the failed configuration in the 'Duration tests' table.

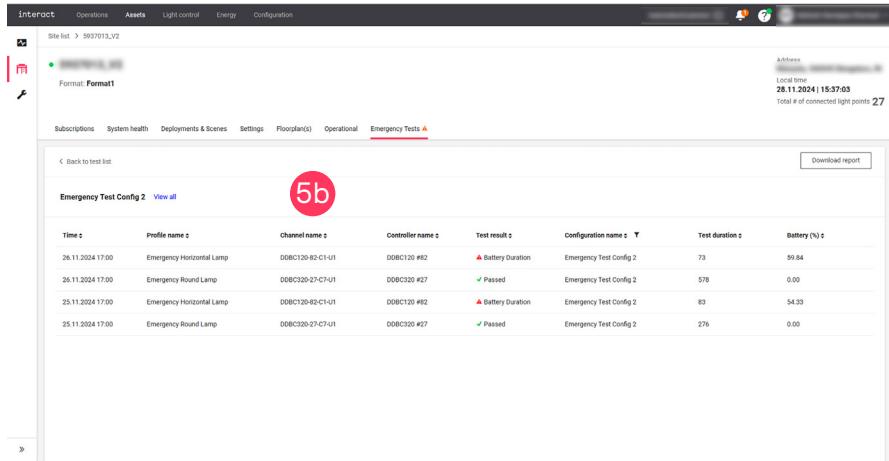
4. Under **Functional tests** and **Duration tests**, you can find the latest test date and results of each test configuration.
5. To view more detailed information, navigate to **Actions** menu (⋮) → **View details** of each configurations.
 - a. For functional tests, you can view the details like test date/time, profile name, channel name, controller name, test result, configuration name, and battery (%) for every emergency light fixture of the selected test configuration.



The screenshot shows the details for 'Emergency Test Config 1'. It includes a table with columns: Time, Profile name, Channel name, Controller name, Test result, Configuration name, and Battery (%). The table lists several test entries, all showing a 'Driver Offline' error. A red circle labeled '5a' is over the table.

Time	Profile name	Channel name	Controller name	Test result	Configuration name	Battery (%)
25.11.2024 23:55			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72
23.11.2024 04:54			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72
26.11.2024 23:55			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72
24.11.2024 23:55			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72
24.11.2024 09:00			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72
25.11.2024 09:00			DDBC120_emergency	Driver Offline	Emergency Test Config 1	4.72

04 Assets



5b

Time	Profile name	Channel name	Controller name	Test result	Configuration name	Test duration	Battery (%)
26.11.2024 17:00	Emergency Horizontal Lamp	00BC120-82-C1-U1	00BC120 #82	⚠️ Battery Duration	Emergency Test Config 2	73	59.84
26.11.2024 17:00	Emergency Round Lamp	00BC320-27-C7-U1	00BC320 #27	✓ Passed	Emergency Test Config 2	578	0.00
25.11.2024 17:00	Emergency Horizontal Lamp	00BC120-82-C1-U1	00BC120 #82	⚠️ Battery Duration	Emergency Test Config 2	83	54.33
25.11.2024 17:00	Emergency Round Lamp	00BC320-27-C7-U1	00BC320 #27	✓ Passed	Emergency Test Config 2	276	0.00

b. For duration tests, you can view the details like test date/time, profile name, channel name, controller name, test result, configuration name, test duration, and battery (%) for every emergency light fixture of the selected test configuration.

Result category	Symbol	Test results
Successful	✓	The test is passed.
In progress	⌚	The test is running, pending or no test is scheduled.
Failed	⚠️	The test is failed, lamp failure, circuit failure, battery failure, battery duration, battery is charging, network failure, driver offline, delay exceeded, in emergency mode, no emergency group, other test running, no timestamp, test timeout, unknown state or unknown reason.

05 Light control



5.1 Introduction to light control
5.2 Add and edit concepts
5.3 Live validation

5.4 Add and edit schedules
5.5 Add and edit deployments
5.6 Site view

5.7 Eco-mode
5.8 Local manual override

05 Light control

5.1 Introduction to light control

With the Multisite system, the light control is handled for each format separately. A retailer can have multiple formats under several banners. Formats are physical/design characteristics of the site, for example XL, super centers, garden centers, city formats, etcetera.

5.1.1 Light concepts

With Concepts you define for each scene the actual light settings (dim level and, if applicable, also color) at each logical channel. Once defined, a particular scene can easily be recalled or triggered for an entire area.

You can start a new concept from scratch or clone an already created or deployed concept. When starting from scratch, all light levels for the areas are set to zero (0). Cloning a concept saves time since the light levels are copied from the original concept to a new draft.



5.1.2 Schedules

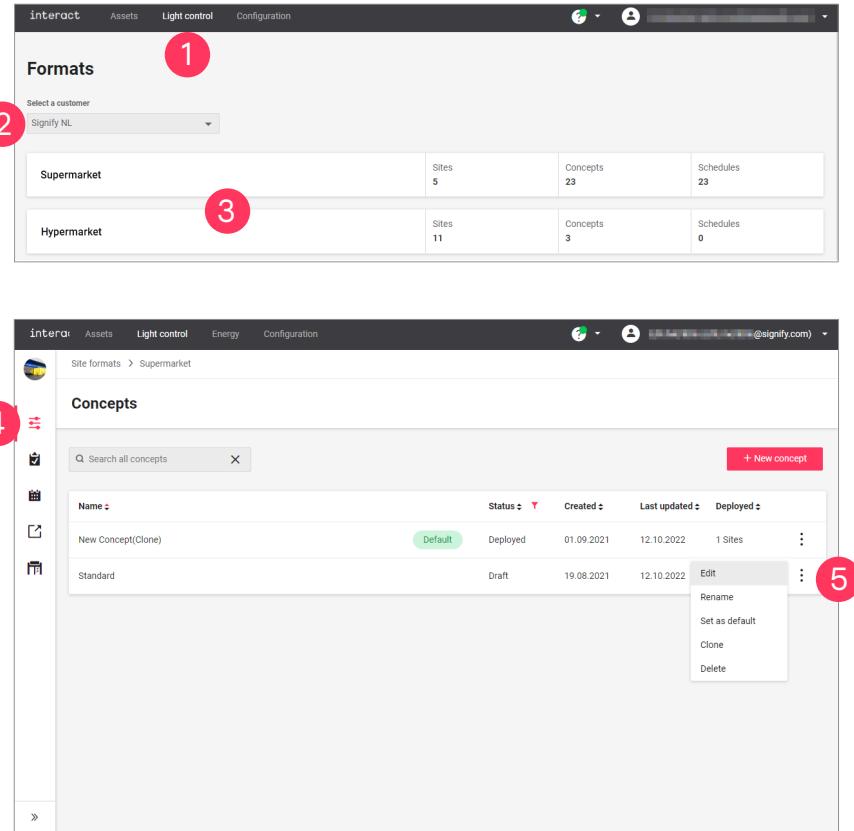
To automate the behavior of the lighting system, you can specify Schedules. A schedule defines for each separate area the times that specific scenes are activated over the course of a 24-hour cycle.

You can start a new schedule from scratch or clone an already created or deployed schedule. When starting from scratch, an empty schedule will be created. Cloning a schedule saves time since the scene calls are copied from the original schedule to a new draft.

5.1.3 Deployments

After creating concepts and schedules, these are available for usage on a site. When you deploy, you push a concept and schedule from the cloud to the local gateway of the site that will apply it in the local light system.

05 Light control



5.2 Add and edit concepts

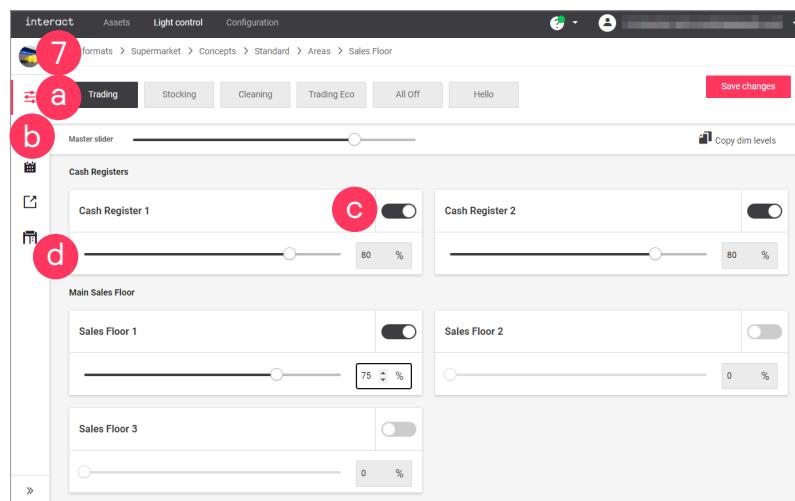
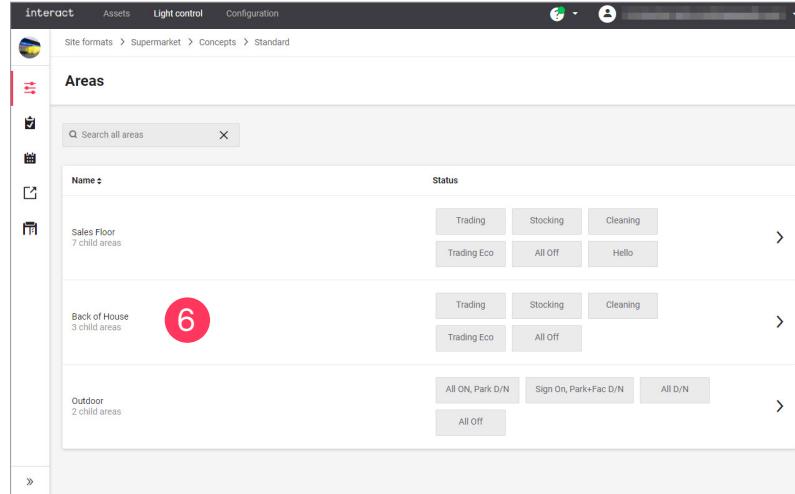
5.2.1 Change light levels

Note

You can only change the light levels of concepts with the status **Draft**.

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Concepts** ().
5. With the mouse, hover over the action menu icon () of the concept to edit. Click **Edit**.

05 Light control



6. Click on the row of an area to start editing; or: click the name of a scene.

Note

The scene that you edit shows dark. Select another scene to start editing the settings of this scene.

7. Start editing the light settings for the area:
 - Select a scene to edit its light settings.
 - Use the **Master slider** to change the relative dim level of all zones that are switched to ON.
 - Switch the zone ON or OFF.
 - Move the dim slider to adjust the light level. or: Enter the value in the box.

Tip

- The **Master slider** is especially handy when creating Eco-scenes to limit the light levels of all zones to save energy.
- You can also copy the settings from another scene by clicking  **Copy dim levels**.

- 9 Click **Save changes**.

05 Light control



5.2.2 Day and night mode

With day and night mode, you can make sure that lights at a site turn on and off according to the schedule, but in relation with sunrise and sunset (astroclock).

After enabling the day and night mode, the logical channel shows two light levels to be set: one for the light levels during daytime, the other for the light levels during the night.

Set day and night mode

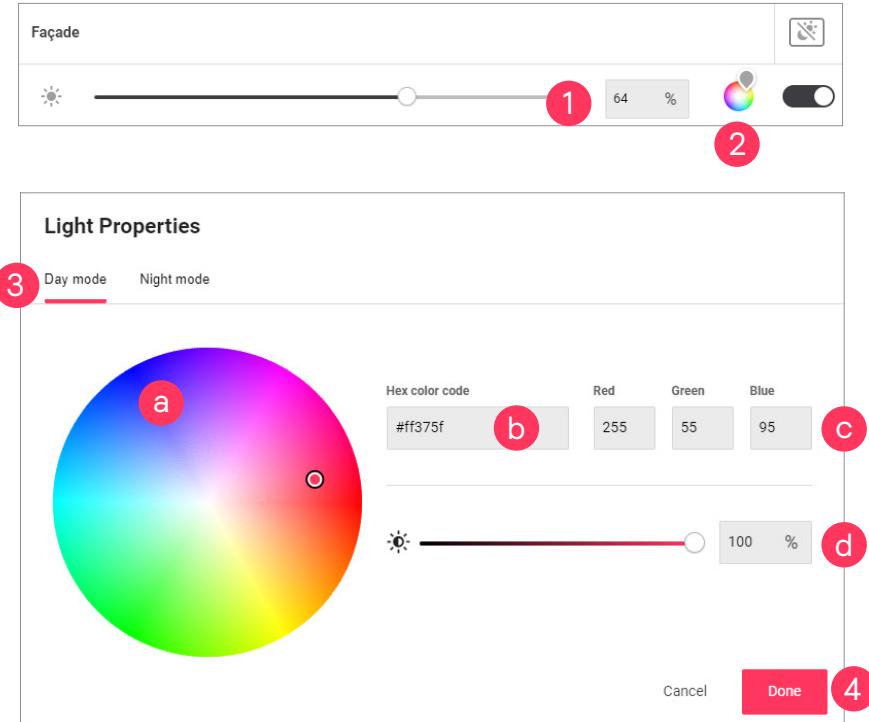
When editing the light levels of the area (see section [5.2.1 Change light levels](#)):

1. Click the **Day/Night toggle** button (sun and moon icon) to switch on day and night mode for the area.
2. Set the light levels to be used during daytime
3. Set the light levels to be used during night.
4. Click **Save changes**.

Tip

You can change the offset of the response relative to the sunrise or sunset. See section [5.6.3 Settings](#) for more information.

05 Light control



5.2.3 RGB lighting

Note

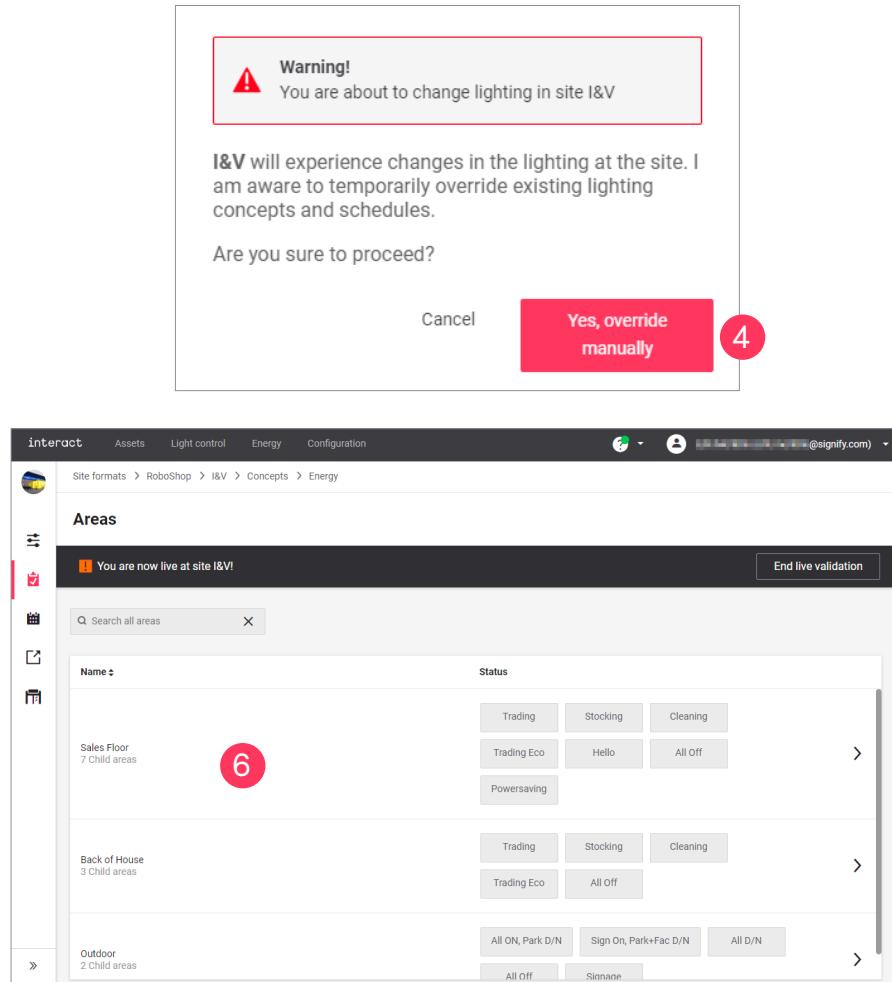
With RGB-lighting, you can think of colored accent lighting, or façade lighting.

When editing the light levels of the area (see section

5.2.1 Change light levels):

1. Set the light level of the area.
2. Click the **Color picker button** ().
3. Set the Light properties:
 - a. Color by selecting it in the color wheel
 - b. Color by Hex code
 - c. Color by RGB
 - d. Light level
4. Click **Done**.

05 Light control



The screenshot shows the 'Areas' page in the Signify software. The 'Sales Floor' area is selected, indicated by a red circle labeled '6'. A warning dialog box is overlaid on the screen, containing the following text:

Warning!
You are about to change lighting in site I&V

I&V will experience changes in the lighting at the site. I am aware to temporarily override existing lighting concepts and schedules.

Are you sure to proceed?

Cancel Yes, override manually

A red circle labeled '4' is on the 'Yes, override manually' button.

5.3 Live validation

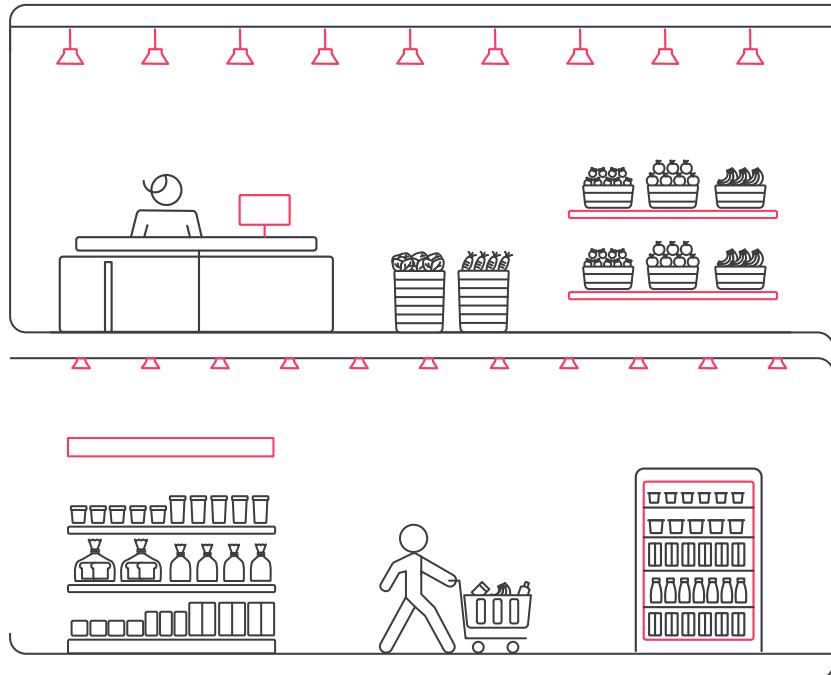
With live validation, you can check the settings you change while you are on site. This helps you to make sure the changes are in line with the expectations.

Note

It is highly recommended to use live validation only outside of trading hours because onsite the light levels respond to the change of the settings.

1. In the menu, click **Light control**.
2. Click **Live validation** ().
3. Select the site to enter live validation.
4. A warning message appears. Click **Yes, override manually** if you're absolutely sure.
5. Select the **Concept** to use for live validation.
6. Click the **Name** of the area to apply and check.
7. When done, click **End live validation**.

05 Light control



5.4 Add and edit schedules

With schedules you can automate the behavior of the lighting depending on a specific event. The event types are:

- **Regular day:** a 24-hour schedule that occurs often, for example normal weekdays or weekends.
- **Special day:** a 24-hour schedule that occurs only one time. A special event can span multiple days and can be used for opening hours that are applicable for special occasions, for example during a special season.
- **Holiday:** one or more recurring days that allow for their own 24-hour schedule, for example (national) holidays (site can also be closed).

⚠ Important

When schedules differ per day or between weekdays and weekends, you need to create specific schedules for these days.

05 Light control

The screenshots illustrate the steps to create a multisite schedule:

1. In the top navigation bar, click **Light control**.
2. In the dropdown **Select a customer**, choose **Signify NL**.
3. Select the **Supermarket** format.
4. In the **Multisite schedule** list, click the **+ Add Multisite schedule** button.
5. Enter the **Name** **Default** and click **Save**.
6. The **Default** schedule is now listed in the Multisite schedule list.
7. Click the **+ Add** button in the Time blocks section to start creating the schedule.

5.4.1 Add schedule

Create new schedule

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Schedules** ().
5. Click **+ Add Multisite schedule**.
6. Enter the **Name** for the schedule and click **Save**.
7. Click **+ Add** to start creating the schedule.

05 Light control

1 Add Schedule

When

Types: Simple event

Start date * 9/12/2021

End date

Timed events: 0 out of 98
Holidays: 0 out of 30
Special events: 0 out of 30

Weekly Pattern

- Sunday
- Monday
- Tuesday
- Wednesday
- Thursday
- Friday
- Saturday

Monthly Pattern

- January
- February
- March
- April
- May
- June
- July
- August
- September
- October
- November
- December

Cancel Previous Next

2 Add Schedule

Where

Areas

Sales Floor

Back of House

Outdoor

Timed events: 0 out of 98
Holidays: 0 out of 30
Special events: 0 out of 30

Filter

Cancel Previous Next

Add the schedule

When creating and editing schedules, keep in mind that the wizard follows a structured order:

- **When:** start/end date, weekdays, and months
- **Where:** area(s) the schedule applies to
- **What:** what happens on the defined times

1. On the **When** page, make the calendar selections:
 - a. Select the **Type** of event:
 - b. Click the calendar () to select the **Start date**.
 - c. Click the calendar () to select the **End date** (optionally).
 - d. Clear/select the days for the **Weekly Pattern**.
 - e. Clear/select the months for the **Monthly Pattern**.
 - f. Click **Next**.

Note

When creating a **Special day**, specify an **End date** in the far future. Select a date using the calendar and change the year manually to, for example, 2099.

2. On the **Where** page, select the **Areas** the schedule applies to and click **Next**.

05 Light control

3

a

b

c

4

Add Schedule

Timed events: 2 out of 98
Holidays: 0 out of 30
Special events: 0 out of 30

What

Weekdays

Start time * 08:00

Add action

Sales Floor All Off Trading

Back of House All Off Trading

Outdoor Sign On, Park+Fac D/N All Off

00:00 08:00

Selected action

Start time * 08:00

Delete action

Area	Scene	Fade
Sales Floor	Trading	▼ 2 sec
Back of House	Trading	▼ 2 sec

Cancel Previous Next

5

Add Schedule

Timed events: 2 out of 98
Holidays: 0 out of 30
Special events: 0 out of 30

Summary

Weekdays - Simple event
12 September 2021

Weekdays
Sun, Mon, Tue, Wed, Thu, Fri, Sat

Sales Floor All Off Trading

Back of House All Off Trading

Outdoor Sign On, Park+Fac D/N All Off

00:00 08:00

Cancel Previous Add

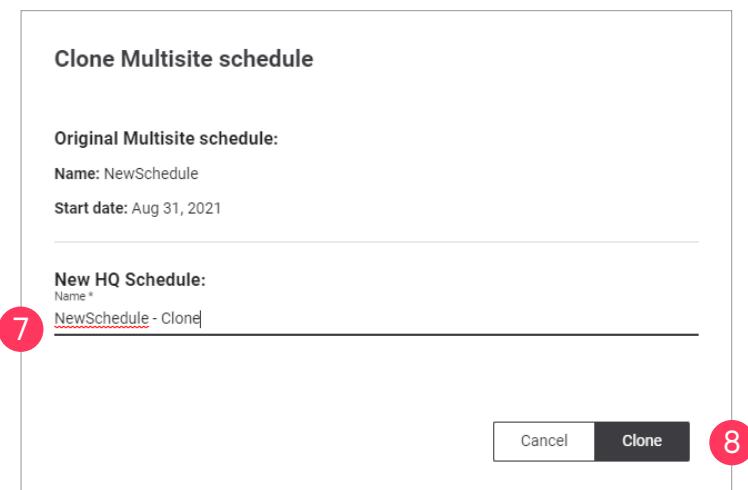
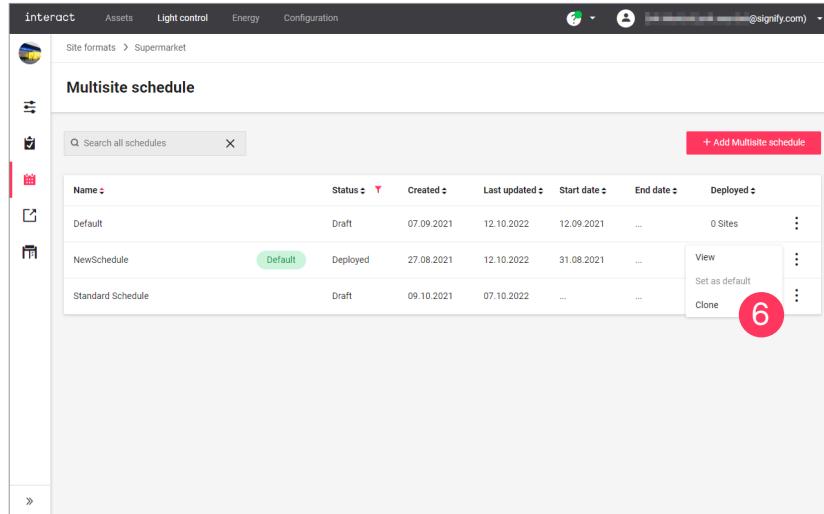
3. On the *What* page, make the timer selections:
 - a. Enter the **Name** for the schedule.
 - b. Click the clock (⌚) to define the **Start time**.
 - c. Click **Add Action**.
4. Repeat for other timeframes. Make sure to select the **Scene** and **Fade** for all timeframes on the timeline.
Click **Next**.

① Important

Always make sure that the timeline covers 24 hours.
A timeframe labeled *Unknown* is not allowed.

5. Check the settings. Click **Previous** to make some changes.
Or: Click **Add** to close the wizard and add the schedule to the list.

05 Light control



5.4.2 Adjust site opening hours

When the opening hours of a site change, the easiest way to adjust the times is by changing the current schedule. As it's not possible to change deployed schedules, a clone must be created.

Clone the schedule

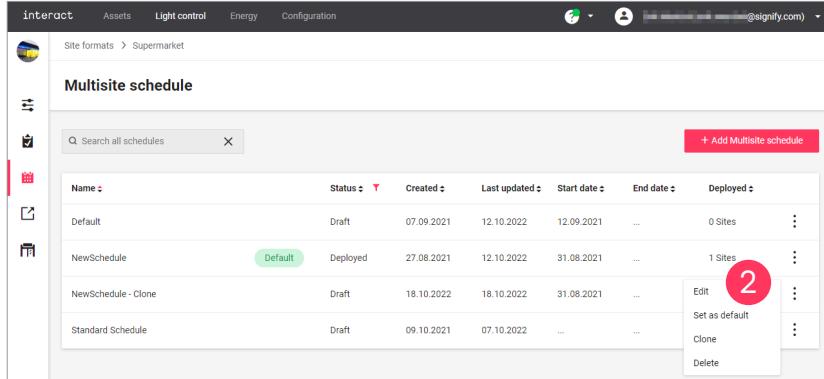
1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Schedules** ().
5. In the list of Multisite schedules, find one the deployed schedules for the site.

Note

The currently running schedule is marked **Default**.

6. With the mouse, hover over the action menu icon () of the Multisite schedule to clone. Click **Clone**.
7. Enter the name of the New Multisite schedule.
8. Click **Clone**.

05 Light control

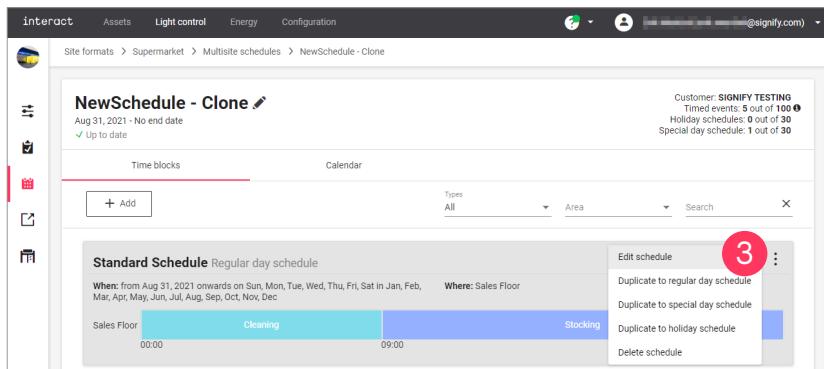


Multisite schedule

Name	Status	Created	Last updated	Start date	End date	Deployed	Actions
Default	Draft	07.09.2021	12.10.2022	12.09.2021	...	0 Sites	...
NewSchedule	Default	27.08.2021	12.10.2022	31.08.2021	...	1 Sites	...
NewSchedule - Clone	Draft	18.10.2022	18.10.2022	31.08.2021	...	...	2 Edit Set as default Clone Delete
Standard Schedule	Draft	09.10.2021	07.10.2022	...	...	...	...

Edit the schedule

1. In the list of Multisite schedules, find the cloned schedule.
2. With the mouse, hover over the action menu icon (⋮) of the schedule to edit. Click **Edit**.
3. With the mouse, hover over the action menu icon (⋮) of the event to edit. Click **Edit schedule**.



NewSchedule - Clone

Standard Schedule Regular day schedule

When: from Aug 31, 2021 onwards on Sun, Mon, Tue, Wed, Thu, Fri, Sat in Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec

Where: Sales Floor

00:00	Cleaning	09:00	Stocking
00:00		09:00	

Customer: SIGNIFY TESTING
Timed events: 5 out of 100
Holiday schedules: 0 out of 30
Special day schedule: 1 out of 30

Types: All

Actions: Edit schedule, Duplicate to regular day schedule, Duplicate to special day schedule, Duplicate to holiday schedule, Delete schedule

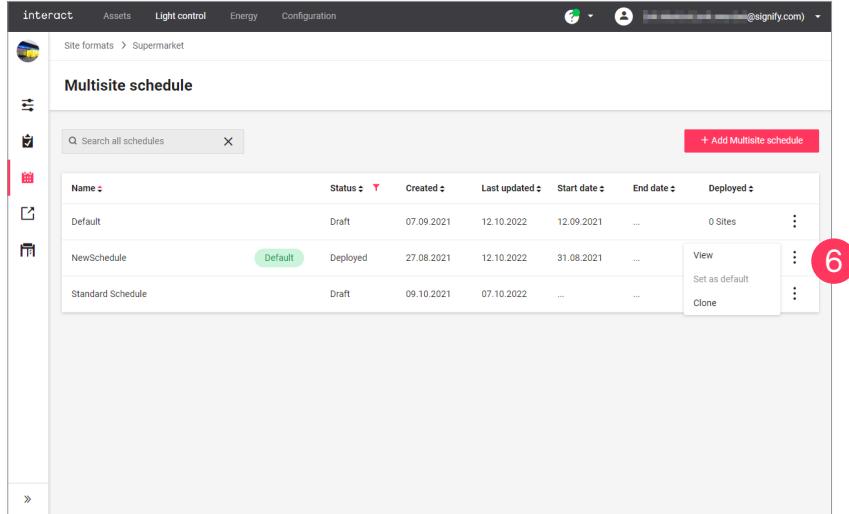
05 Light control

4a: When page. Shows a calendar for November 2022 and a 'Monthly Pattern' list. The date 11/1/2022 is selected. The 'Monthly Pattern' list includes January through December.

4c: What page. Shows a grid of actions for Sales Floor and Back of House. The Sales Floor grid has actions: 'All Off' (00:00-06:00), 'Cleaning' (06:00-08:00), 'Trading' (08:00-21:00), 'Stocking' (21:00-23:00), and 'All Off' (23:00-00:00). The Back of House grid has actions: 'All Off' (00:00-06:00), 'All Off' (06:00-08:00), 'Trading Eco' (08:00-21:00), 'All Off' (21:00-23:00), and 'All Off' (23:00-00:00). A 'Selected Action' table for 'Trading' at 08:00 shows a 'Scene' (Trading) with a 'Fade' duration of 2 sec, and a 'Selected Action' table for 'Trading Eco' at 08:00 shows a 'Scene' (Trading Eco) with a 'Fade' duration of 2 sec.

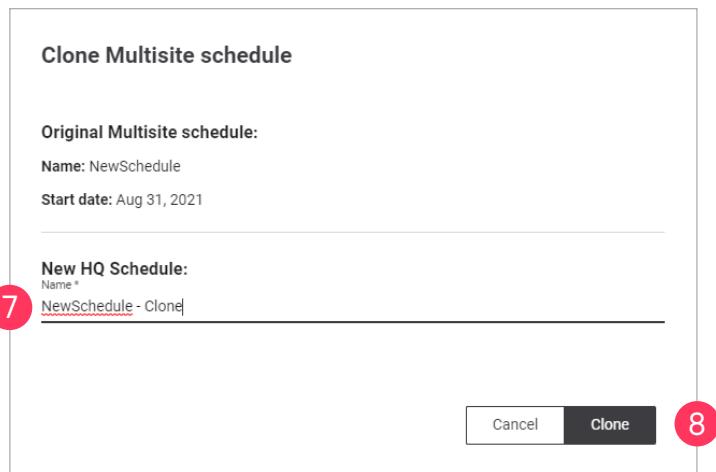
4. Following the wizard, change the settings of the schedule:
 - When page: select the **Start date** and if applicable the **Weekly pattern** and the **Monthly pattern**. Click **Next**.
 - Where page: select the areas the schedule applies to. Make sure if a change is required, otherwise click **Next**.
 - What page: change the **Start time(s)** of the actions in the schedule.
5. Click **Update**.
6. Repeat for the other regular day events in the schedule.

05 Light control



Multisite schedule

Name	Status	Created	Last updated	Start date	End date	Deployed	...
Default	Draft	07.09.2021	12.10.2022	12.09.2021	...	0 Sites	...
NewSchedule	Default	27.08.2021	12.10.2022	31.08.2021	...	View	...
Standard Schedule	Draft	09.10.2021	07.10.2022	...	...	Set as default	...



Clone Multisite schedule

Original Multisite schedule:

Name: NewSchedule
Start date: Aug 31, 2021

New HQ Schedule:

Name*: NewSchedule - Clone

Cancel **Clone**

5.4.3 Adjust seasonal opening times

When the opening hours of a site may differ during the season, for example because of holidays or another event. The simplest way to do this is to clone a schedule and copy an event and change this to the specific needs.

Clone the schedule

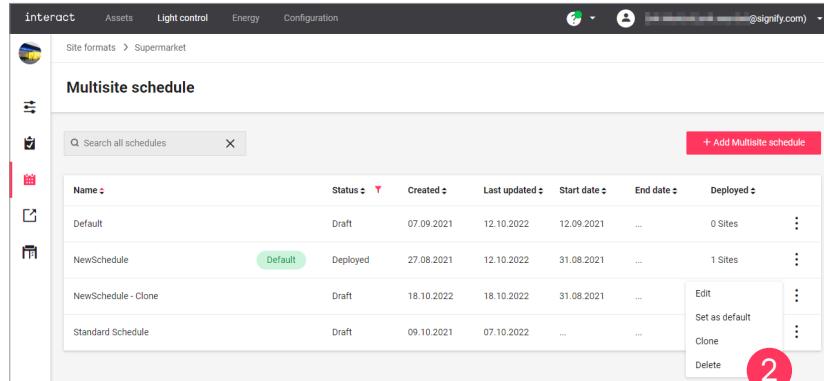
1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Schedules** ().
5. In the list of Multisite schedules, find one the deployed schedules for the site

Note

The currently running schedule is marked **Default**.

6. With the mouse, hover over the action menu icon () of the Multisite schedule to clone. Click **Clone**.
7. Enter the name of the New Multisite schedule.
8. Click **Clone**.

05 Light control

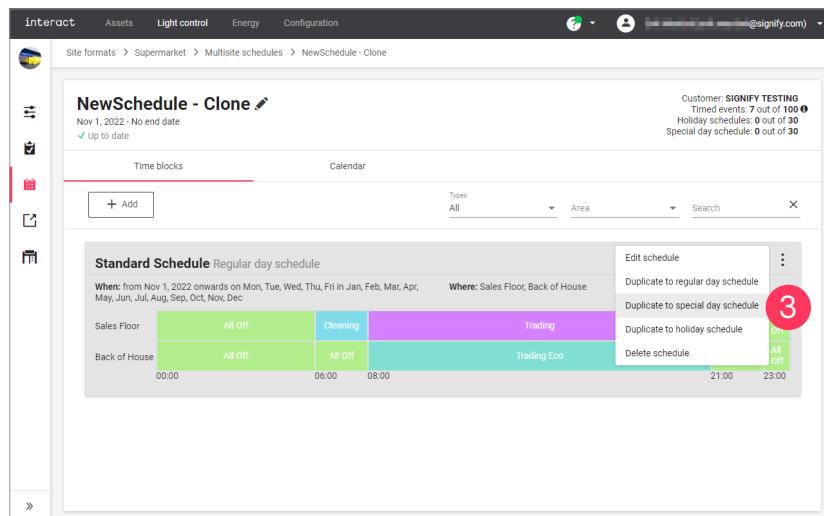


The screenshot shows a list of multisite schedules. The 'NewSchedule - Clone' row is selected, and a red circle labeled '2' is placed over the 'Edit' button in the action menu.

Name	Status	Created	Last updated	Start date	End date	Deployed	Actions
Default	Draft	07.09.2021	12.10.2022	12.09.2021	...	0 Sites	...
NewSchedule	Default	27.08.2021	12.10.2022	31.08.2021	...	1 Sites	...
NewSchedule - Clone	Draft	18.10.2022	18.10.2022	31.08.2021	...	...	Edit (Red Circle 2)
Standard Schedule	Draft	09.10.2021	07.10.2022	...	...	...	Set as default Clone Delete

Duplicate event

1. In the list of Multisite schedules, find the cloned schedule.
2. With the mouse, hover over the action menu icon (⋮) of the schedule to edit. Click **Edit**.
3. With the mouse, hover over the action menu icon (⋮) of the event to edit. Click **Duplicate to special event**.



The screenshot shows the 'NewSchedule - Clone' edit page. The 'Edit schedule' menu is open, and a red circle labeled '3' is placed over the 'Duplicate to special day schedule' option.

NewSchedule - Clone
Nov 1, 2022 - No end date
Up to date

Customer: SIGNIFY TESTING
Timed events: 7 out of 100
Holiday schedules: 0 out of 30
Special day schedule: 0 out of 30

Time blocks Calendar

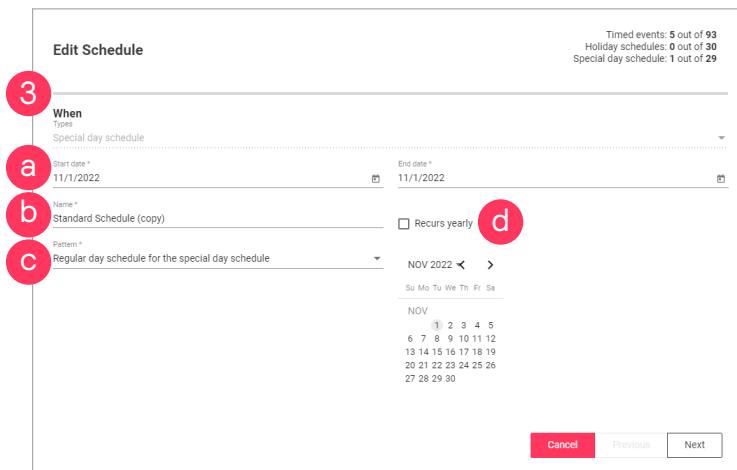
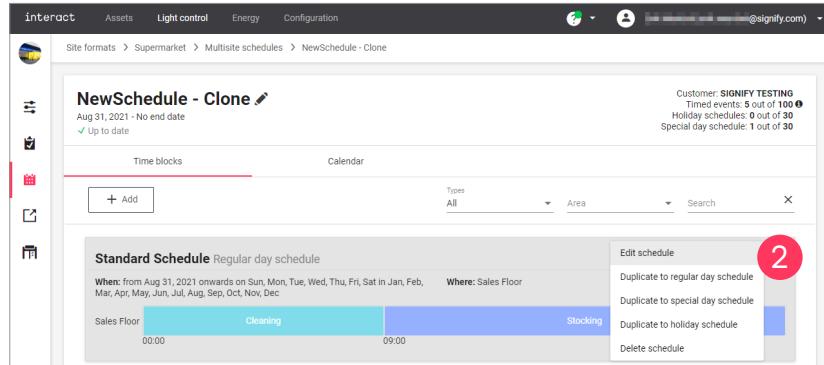
Standard Schedule Regular day schedule
When: from Nov 1, 2022 onwards on Mon, Tue, Wed, Thu, Fri in Jan, Feb, Mar, Apr, May, Jun, Jul, Aug, Sep, Oct, Nov, Dec
Where: Sales Floor, Back of House

Sales Floor	All Off	Cleaning	Trading
Back of House	All Off	All Off	Trading Eco

00:00 06:00 08:00 21:00 23:00

Edit schedule
Duplicate to regular day schedule
Duplicate to special day schedule
Duplicate to holiday schedule
Delete schedule

05 Light control



Edit the schedule

1. In the list of events, find the duplicated event.
You can find it by the word **(copy)** in the name.
2. With the mouse, hover over the action menu icon (⋮) of the schedule to edit. Click **Edit schedule**.
3. On the *When* page, make the calendar selections:
 - a. **Start date** and **End date**
 - b. **Name**
 - c. **Pattern** (single schedule for all days, or two schedules different for weekdays and weekends)
 - d. If applicable, select the **Recur yearly** checkbox.
4. Click **Next**.
5. On the *Where* page, select the **Areas** the schedule applies to;
Or: select **Reuse an existing schedule** and select an existing schedule for the selected date/pattern.
6. Click **Next**.

05 Light control

7

What
Weekends

Name *
Special day schedule: Weekends

Start time *
17:00

Selected Action
Start time *
17:00

Area	Scene	Fade
Sales Floor	All Off	▼ 2 sec
Back of House	All Off	▼ 2 sec

Cancel **Previous** **Next**

Timed events: 8 out of 96
Holiday schedules: 0 out of 30
Special day schedule: 1 out of 29

10

Summary

Standard Schedule (copy) - Special day schedule
1 November 2022 - 1 November 2022

Standard Schedule
Mon, Tue, Wed, Thu, Fri

Sales Floor	All Off	Cleaning	Trading	Stocking	All Off
Back of House	All Off	All Off	Trading Eco	All Off	All Off

00:00 06:00 08:00 21:00 23:00

Special day schedule: Weekends
Sun, Sat

Sales Floor	All Off	Trading	All Off
Back of House	All Off	Trading Eco	All Off

00:00 09:00 17:00

Cancel **Previous** **Update**

Timed events: 8 out of 96
Holiday schedules: 0 out of 30
Special day schedule: 1 out of 29

7. On the *What* page, change the **Name** and change the **Actions** to the desired settings.

8. Click **Next**.

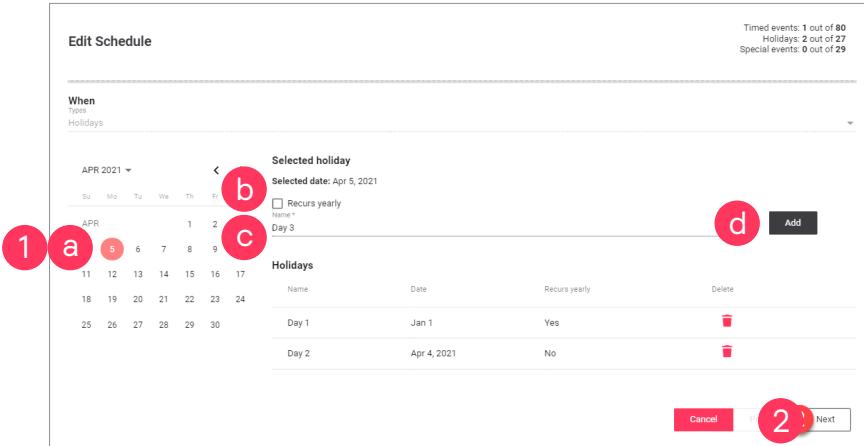
Note

- In case of two schedules, you now start editing the schedule for the weekend.
- You can also select **Reuse the weekday schedule** to copy this schedule to the weekend.

9. Click **Next**.

10. Check the summary. Click **Previous** to correct the settings or click **Update**.

05 Light control



① Important

- It's possible to create only one (1) schedule of the type Holiday, but you can add up to 30 days to this schedule.

5.4.4 Create holiday schedule

To create a holiday schedule, you can either **Add a new schedule**, and select the type **Holidays**, or duplicate an existing schedule using **Duplicate to holiday schedule**.

When editing the schedule:

1. On the *When* page, make the calendar selections:
 - a. Select the date the holiday schedule applies to.
 - b. If applicable, select the **Recur yearly** checkbox.
 - c. Give the schedule a **Name**. Click **Add**.
 - d. Repeat for other dates the holiday schedule applies to.
2. Click **Next**.

✉ Note

- Use the **Recur yearly** checkbox for example for bank holidays that always occur on the same date (New Year's Day, etcetera).
- For holidays with shifting dates (Easter, etcetera), don't select the **Recur yearly** checkbox. You need to create these separately every time.
- Use the bin (trash) icon to delete a specific date (for example when it's the past).

05 Light control

3

4

Edit Schedule

Timed events: 5 out of 90
Holiday schedules: 1 out of 30
Special day schedule: 0 out of 29

Where

Areas

Sales Floor

Back of House

Outdoor

Filter

cancel **Previous** **Next**

3. On the **Where** page, select the **Areas** the schedule applies to.
4. Click **Next**.
5. On the **What** page, change the **Name** and change the **Actions** to the desired settings.
6. Click **Next**.
7. Check the summary. Click **Previous** to correct the settings or click **Add** or **Update**.

5

6

Edit Schedule

Timed events: 3 out of 88
Holiday schedules: 1 out of 30
Special day schedule: 0 out of 29

What

Name *

Standard Schedule (copy)

Start time * 00:00 **Add Action**

Sales Floor All Off **Trading** All Off

Back of House All Off **Trading Eco** All Off

00:00 10:00 16:00

Selected Action

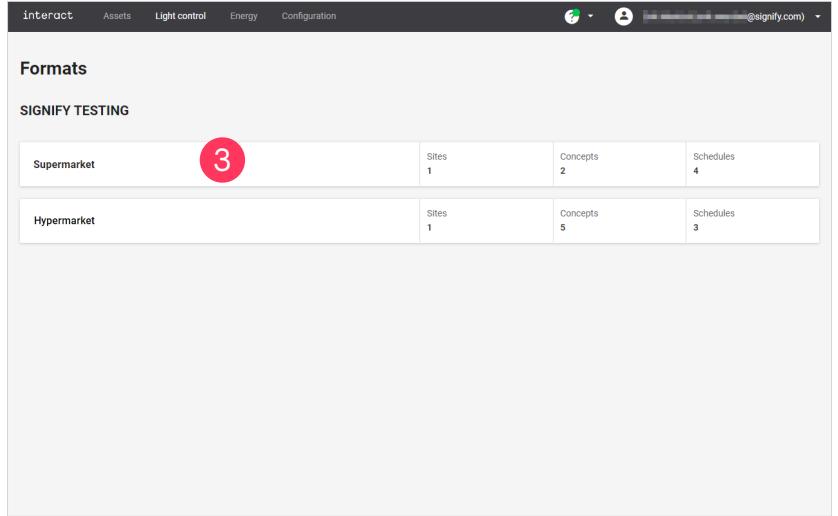
Start time * 10:00 **Delete Action**

Area Sales Floor **Scene** Trading **Fade** 2 sec

Back of House Trading Eco 2 sec

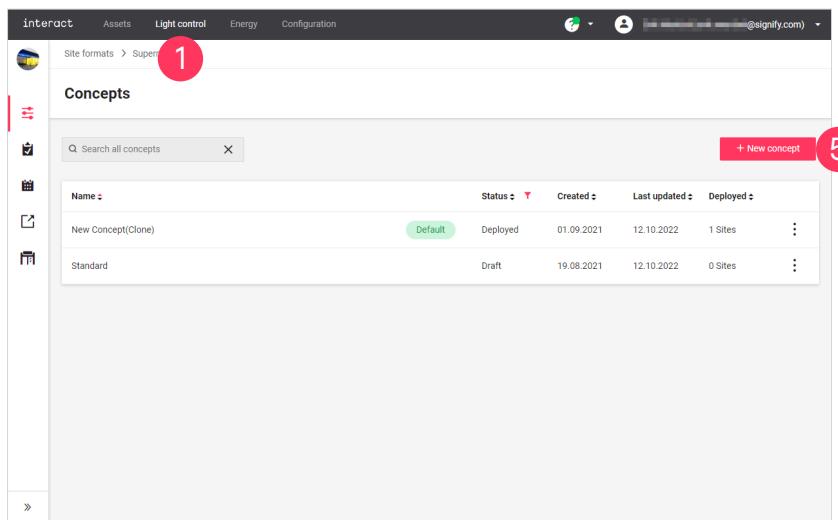
cancel **Previous** **Next**

05 Light control



The screenshot shows the 'Formats' section of the Signify Testing interface. It displays two rows: 'Supermarket' and 'Hypermarket'. The 'Supermarket' row is highlighted with a red circle containing the number '3'. Each row contains four columns: 'Sites', 'Concepts', and 'Schedules'. The 'Supermarket' row shows 1 site, 2 concepts, and 4 schedules. The 'Hypermarket' row shows 1 site, 5 concepts, and 3 schedules.

	Sites	Concepts	Schedules
Supermarket	1	2	4
Hypermarket	1	5	3



The screenshot shows the 'Concepts' section of the Signify Testing interface. It displays a table of concepts. The table has columns: 'Name', 'Status', 'Created', 'Last updated', and 'Deployed'. There are two rows: 'New Concept(Clone)' and 'Standard'. The 'New Concept(Clone)' row is highlighted with a red circle containing the number '1' on the breadcrumb. The '+ New concept' button is highlighted with a red circle containing the number '5'.

Name	Status	Created	Last updated	Deployed
New Concept(Clone)	Default	01.09.2021	12.10.2022	1 Sites
Standard	Draft	19.08.2021	12.10.2022	0 Sites

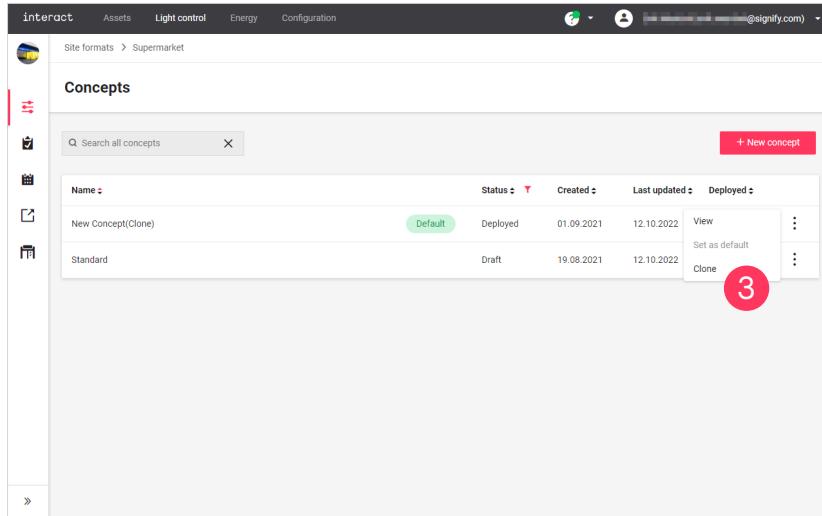
5.5 Add and edit deployments

Deployments are used to roll out concepts and schedules to a site or a batch of sites.

5.5.1 Create new concept

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Concepts** ().
5. Click **+ New concept**.
6. Enter the **Name** for the concept.
7. Click **Create**. The concept is now available with the status *Draft*.
8. Click the concept and start editing.

05 Light control



The screenshot shows the 'Light control' section of a software interface. On the left is a sidebar with icons for interact, Assets, Light control (which is selected and highlighted in blue), Energy, and Configuration. The main area is titled 'Concepts' and shows a table of existing concepts. The table has columns for Name, Status, Created, Last updated, and Deployed. There are two rows: 'New Concept(Clone)' (Status: Deployed, Created: 01.09.2021, Last updated: 12.10.2022) and 'Standard' (Status: Draft, Created: 19.08.2021, Last updated: 12.10.2022). For the 'Standard' row, a context menu is open, with the 'Clone' option highlighted. A red circle with the number 3 is drawn around this 'Clone' button.

5.5.2 Clone existing concept

When you want to reuse an existing concept, for example in case there are only some light levels to change, then you can clone a concept. Cloning is possible for concepts that are in *Draft* or *Deployed* status.

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. With the mouse, hover over the action menu icon (⋮) of the schedule to edit. Click **Clone**.
4. Enter the **Name** for the concept.
5. Click **Create**. The concept is now available with the status *Draft*.
6. Click the concept and start editing.

05 Light control

Site	Concepts	Schedules
Supermarket	2	4
Hypermarket	5	3

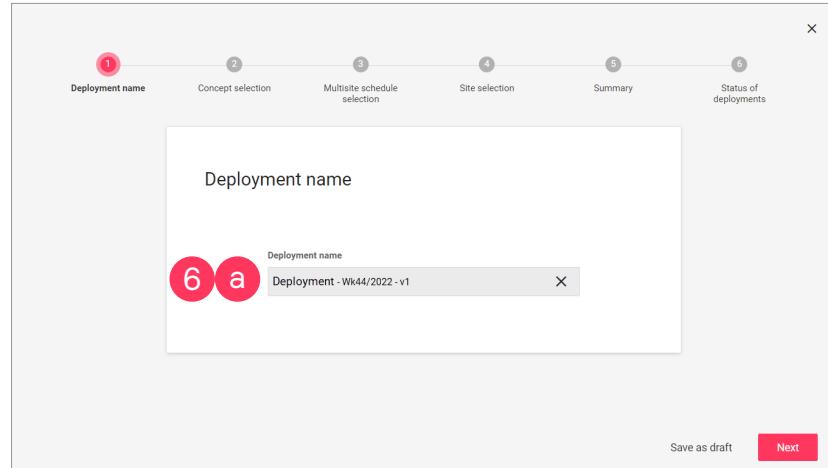
Name	Status	Concept	Schedule	Created date	Deployment date	Deployment status
Default deployment (9/1/2021 2:20:08 PM)	Deployed	New Concept(Clone)	NewSchedule	01.09.2021	01.09.2021	Success

5.5.3 Deploy a concept and schedule

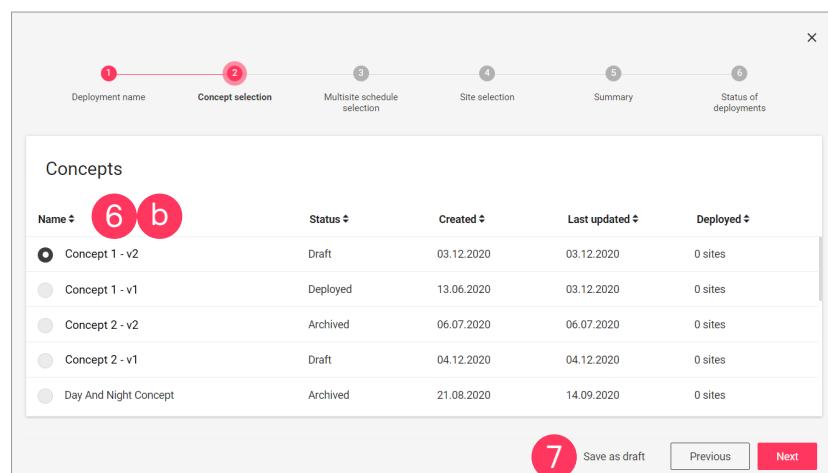
Add concept to the deployment

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Deployments** ().
5. Click **+New deployment**.

05 Light control



6. Follow the steps in the wizard, click **Next** for the next step:
 - a. Enter the **Name** for the deployment.
 - b. Select the **Concept**.
7. Click **Save as draft** to save the deployment for later use.



05 Light control

The screenshots show the deployment wizard interface. The top screenshot is at step 6, 'Multisite schedule selection', showing a table of multisite schedules. The bottom screenshot is at step 8, 'Site selection', showing a table of sites.

7 Multisite schedules compatible with the selected concept

Name	Status	Created	Last updated	Start date	End date	Deployed
Default	Draft	27.11.2020	04.12.2020	...	...	0 sites
NewSchedule	Deployed	13.06.2020	03.12.2020	01.06.2020		2 sites
NewSchedule - Clone	Draft	30.11.2020	03.12.2020	01.06.2020		0 sites
Standard Schedule	Archived	08.07.2020	08.07.2020	01.06.2020		0 sites

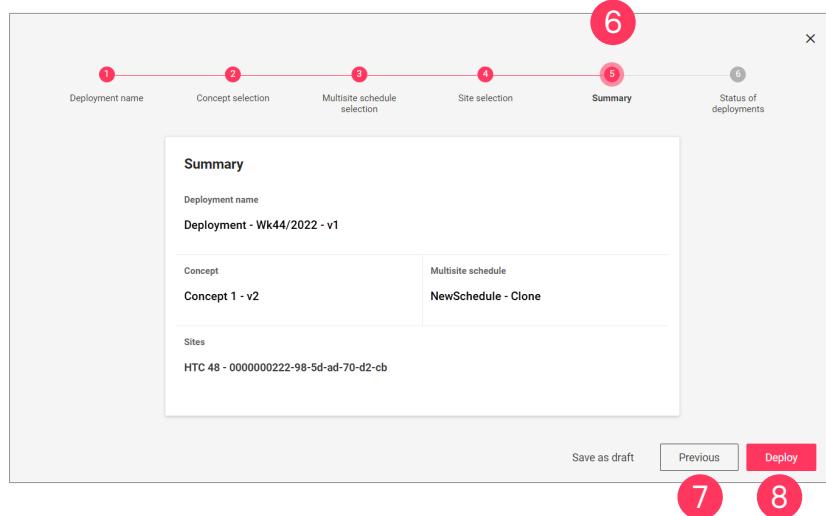
8 Sites

Name	Status	Deployment date	Concept	Schedule	Deployment
HTC 48 - This device is in Sydney - CURL Commissioned	...	...	...	...	...
HTC 48 - 0000000222-98-5d-ad-70-42-cb	success	04.12.2020	Nelson - Wk24/2020 - V2	Nelson - June/2020 Onwards - V2	Nelson - Wk24/2020 - V2
HTC 48 - Clone (second venue used for HQ)	success	03.12.2020	Nelson - Wk24/2020 - V2	Nelson - June/2020 Onwards - V2	Nelson - Wk24/2020 - V2

Add schedule and site to the deployment

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Deployments** ().
5. Click a deployment labeled with *Draft* to start editing.
6. Click **Next** until you reach the step *Multisite schedule selection*.
7. Select the schedule that must be applied in the deployment. Click **Next**.
8. Select the **Site(s)** that must receive the deployment.
9. Click **Save as draft** to save the deployment for later use.

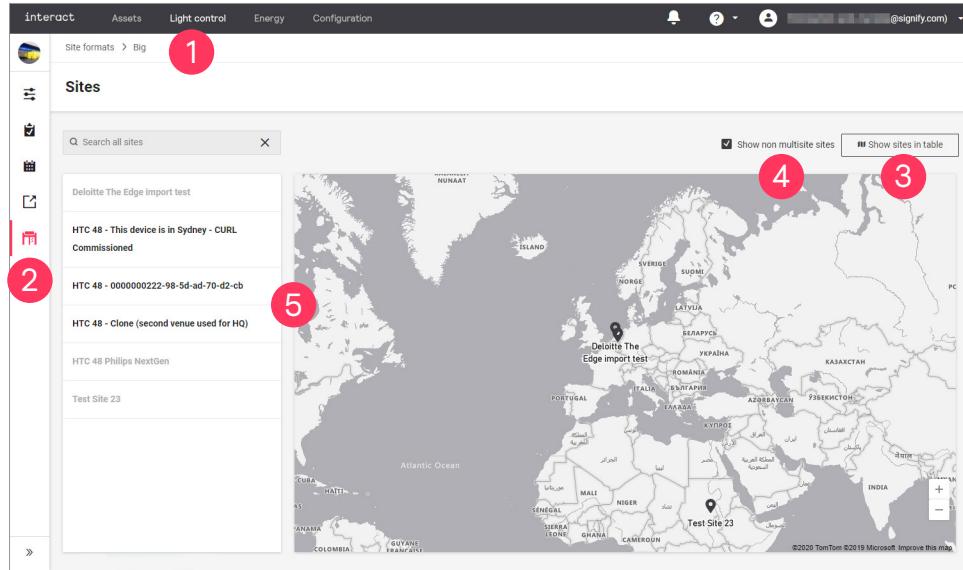
05 Light control



Finalize the deployment

1. In the menu, click **Light control**.
2. If applicable, in the dropdown **Select a customer**, select the customer to show the known formats.
3. Select a format.
4. Click **Deployments** (↗).
5. Click a deployment labeled with *Draft* to start editing.
6. Click **Next** until you reach the step *Summary*.
7. Check if the concept, schedule, and sites chosen are correct. Click **Previous** to go back to correct.
8. Click **Deploy** to start the deployment.

05 Light control



5.6 Site view

The site view gives you an overview of the current status of the site you are viewing. Also, some generic site settings can be made on this page. The site view consists of the following sections:

- Overview
- Scenes
- Setting

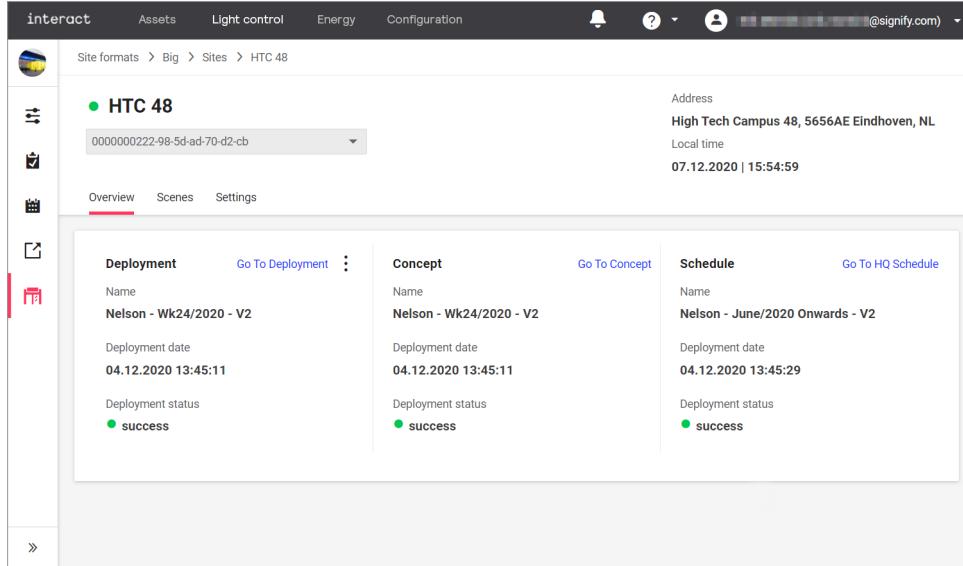
To enter the **Site view**:

1. In the menu, click **Light control**.
2. Click **Sites** ()
3. Click **Show sites on map** or **Show sites in table** to toggle the view.
4. Optionally, selecting the **Show non multisite sites** checkbox to show all sites.
5. Select the site you want to view or edit.

Note

Non multisite sites are not selectable.

05 Light control



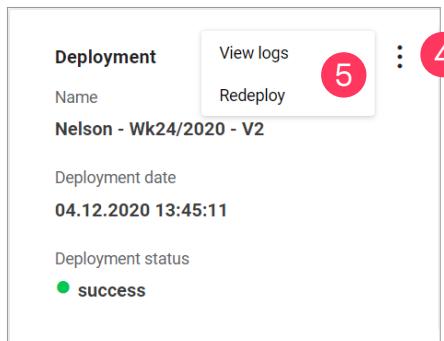
HTC 48

Address: High Tech Campus 48, 5656AE Eindhoven, NL
Local time: 07.12.2020 | 15:54:59

Deployment: Name Nelson - Wk24/2020 - V2, Deployment date 04.12.2020 13:45:11, Deployment status success

Concept: Name Nelson - Wk24/2020 - V2, Deployment date 04.12.2020 13:45:11, Deployment status success

Schedule: Name Nelson - June/2020 Onwards - V2, Deployment date 04.12.2020 13:45:29, Deployment status success



Deployment: Name Nelson - Wk24/2020 - V2, Deployment date 04.12.2020 13:45:11, Deployment status success

View logs (5)

Redeploy

⋮ (4)

5.6.1 Overview

1. In the **Sites** view, click **Overview**.
2. For the chosen site you see an overview of the currently active Deployment, Concept and Schedule.
3. Click:
 - a. **Go To Deployment** to see the details of the deployment;
 - b. **Go To Concept** to see the details of the concept;
 - c. **Go To HQ Schedule** to see the details of the schedule.
4. With the mouse, hover over the action menu icon (⋮) in the Deployment section.
5. Click:
 - a. **View logs** to open an overview of the logs for the deployment.
 - b. **Redeploy** to start the deployment again.

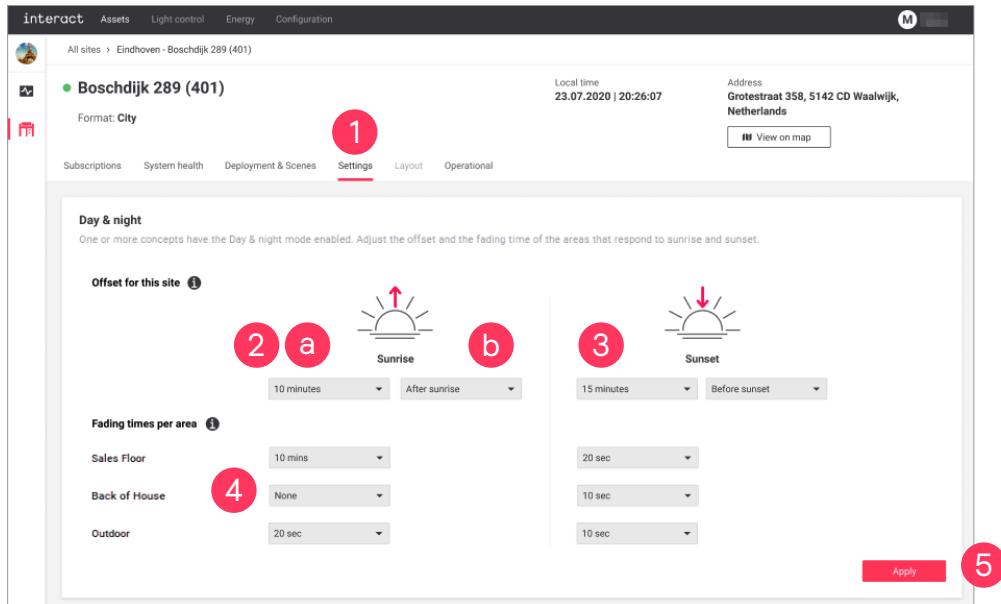
05 Light control

Area	Scheduled scene	Active scene	Next scene (Local Time)
Parent Indoor	Eco Store Open	Eco Store Open	Store Open, today @ 14:00
Parent Outdoor	Medium	...	Off, today @ 19:00

5.6.2 Scenes

1. In the **Sites** view, click **Scenes**.
2. For the chosen site you see per area an overview of:
 - a. the currently scheduled scene
 - b. the active scene (which may be different from the scheduled scene in case of local manual override)
 - c. the upcoming scene, including the time this scene activates.

05 Light control



5.6.3 Settings

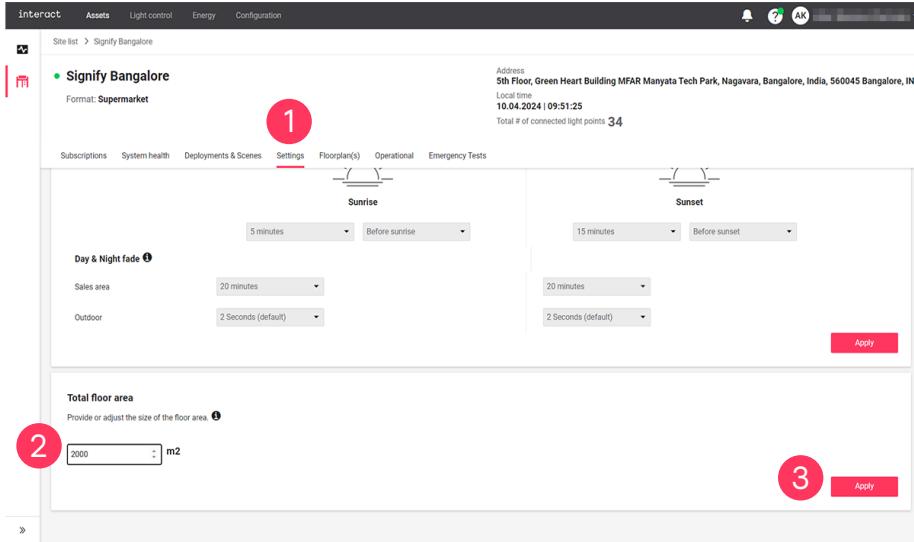
The Settings section is used to set generic settings that are applicable for the selected site.

Set day and night offset

With day and night offset, you can set the moment of the switching action of the lights to before or after sunrise or sunset. When also setting the fading times per area, you define the time it takes for the lights to dim up or down to the set level at sunrise or sunset, taking the offset into account.

1. In the **Sites** view, click **Settings**.
2. In the dropdowns for **Sunrise**:
 - a. Select the offset time (by default: **No offset**)
 - b. Select if the offset should apply **Before** or **After** sunrise.
3. Repeat both steps for **Sunset**.
4. Set the **Fading times per area** that should apply at sunrise or sunset.
5. Click **Apply**.

05 Light control



Set total floor area

With **Total floor area**, you can customize the size of the floor area of the selected site. Setting this parameter correctly allows for comparing the energy consumed and saved data per m² in the energy **Site list**.

1. In the **Sites** view, click **Settings**.
2. Check if the **Total floor area** value is correct. Enter the correct size of the floor area in m².
3. Click **Apply**.

05 Light control

The screenshot shows the 'Edit Schedule' interface. At the top, it says 'Edit Schedule' and 'What' (Name *: Summer Promotion (copy)). Below that is a timeline from 00:00 to 08:00. A green bar represents the 'Parent Indoor' area being 'Store Closed'. A red circle with the number '2' is overlaid on the timeline, pointing to a dropdown menu. The menu lists actions: 'All Off', 'Store Closed', 'Stocking', 'Eco Stocking', 'Store Open', and 'Eco Store Open'. The 'Store Open' option is highlighted with a grey background.

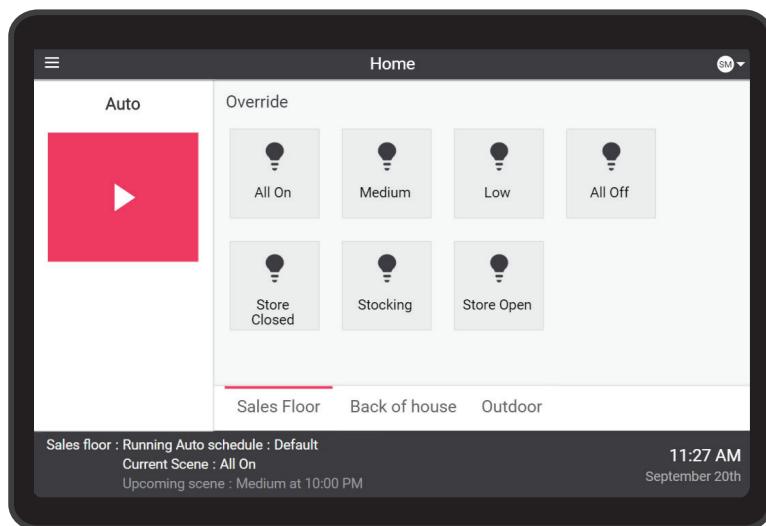
5.7 Eco-mode

With the Eco-mode, it is possible to reduce energy consumption during peak hours.

The steps to follow to enable the eco mode are:

1. Create Scenes per area with adjusted light levels to match the required energy savings. See section [7.2.7 Eco-scenes](#) and [7.3.1 Add, edit and reorder scenes](#) for more information.
2. Clone the current running schedule giving it a clear name and edit the schedule to change the Scenes, for example **Store Open** to **Eco Store Open**. See section [5.4 Add and edit schedules](#) for more information.
3. Clone the current used concept and limit per area the light levels to achieve the desired energy saving. See section [5.2.1 Change light levels](#) for more information.
4. Deploy the concept with the new schedule to the applicable site(s). See section [5.5 Add and edit deployments](#) for more information.

05 Light control



5.8 Local manual override

For personnel that doesn't have access to the dashboard, there are user interfaces available that can be used to override the automatic schedules manually. In general, the system resumes the automatic schedule after two hours of operation in the local manual override.

User interfaces that can be used for local manual override are:

- Wall switches (with dry contact)
- Antumbra Button and Display
- PDTS touch screen

These interfaces can be installed at the appropriate locations on request.

06 Energy



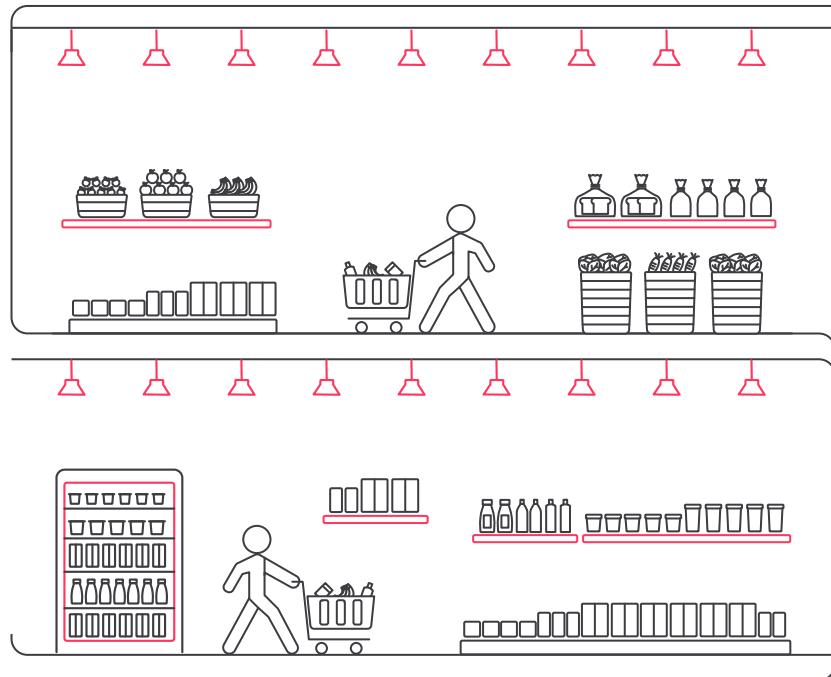
[6.1 About notional and metered energy](#)

[6.2 Energy dashboard](#)

[6.3 Energy trend view](#)

[6.4 Site list view](#)

06 Energy



The Energy dashboard provides insights in the energy consumption and savings of all your sites. This dashboard shows you the most relevant parameters, including:

- Energy consumption
- Energy savings
- Energy trend compared with the previous period or selected site.

On the Energy dashboard, it's easy to switch between views for notional or metered energy. You can choose a site and time period to view data, and compare it with another site or time period. The energy trend graph shows more detailed data. It's also possible to show a breakdown of the energy savings or the energy consumption for notional or metered energy. The Site list view shows a ranking of all the sites in your portfolio.

6.1 About notional and metered energy

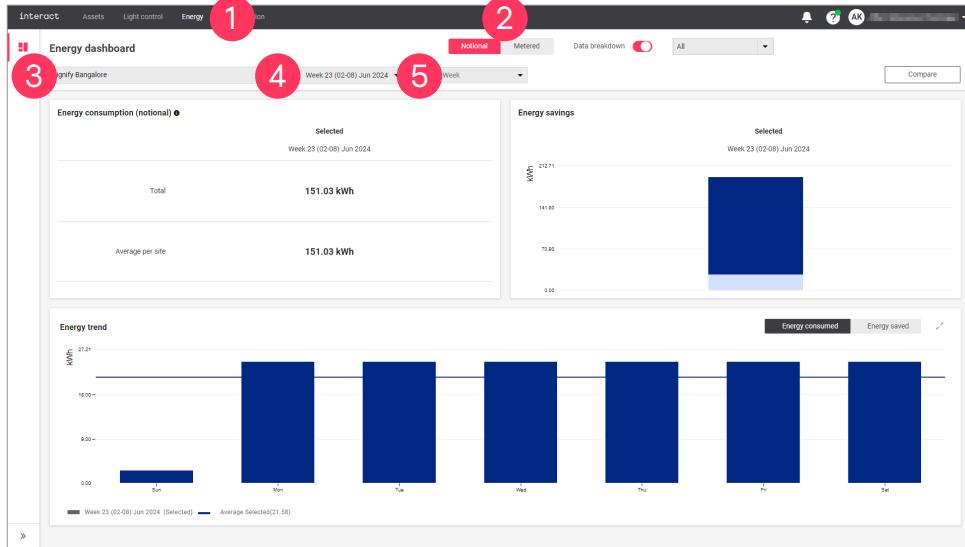
The Energy dashboard can show both notional and metered energy. Because both methods are quite different, it's very well possible to use them alongside each other and even complementary to each other.

Notional energy gives a theoretical, indicative value calculated from the given installed power of all light points controlled by the system and their behavior (switching, dimming). It's possible to divide between the energy consumption per logical or physical channel, showing high granularity and keeping track of notional burning hours of the light points. As notional energy is a calculated value, it even allows to predict energy consumption of scenes and schedules that are intended for use.

Metered energy gives an absolute number based on physically metering the energy consumption per electrical circuit (power group). As you can add electricity meters in virtually all circuits, you can also monitor the energy consumption of circuits beyond lighting, for example refrigerators or HVAC.

The numbers in both notional and metered energy are derived in completely different ways, which makes it highly unlikely that you can compare both numbers.

06 Energy



6.2 Energy dashboard

The Energy dashboard shows a complete overview of energy consumption and savings of all your connected sites. You can choose between a view of all sites, but you can also view the data of a single store.

If enabled, the dashboard shows the difference between notional and metered energy, otherwise metered energy will be disabled.

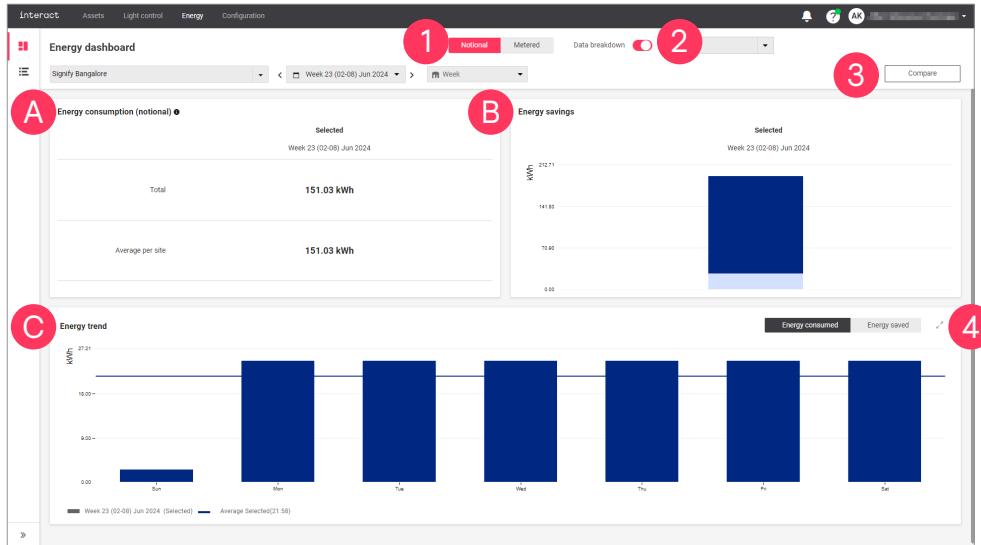
6.2.1 Select type and timeframe

1. In the menu, click **Energy**. The Dashboard (1) shows.
2. Choose between **Notional** and **Metered** to distinguish between the different types.
3. Select **All sites**, or a specific site to show the energy data of.
4. Select a date or a date range to select a specific period.
5. Click on the unit to refine the details of the selection.

★ Tip

You can either select a day, week, or month.

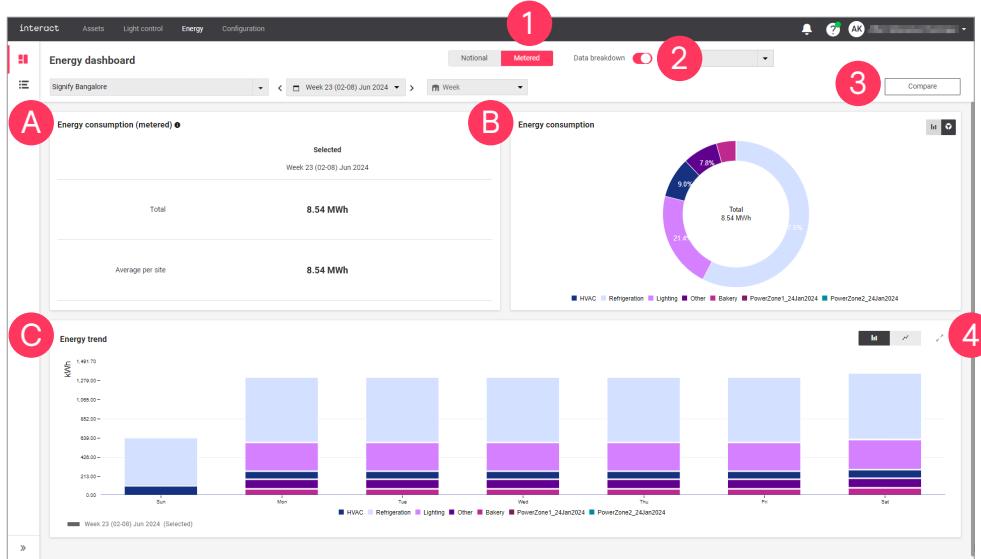
06 Energy



6.2.2 The dashboard explained: Notional

1. When you selected **Notional**, the dashboard shows the following information:
 - A. **Energy consumption (notional)**: shows the total energy consumption and the average energy consumed per site of the selected period.
 - B. **Energy savings**: shows the amount of saved energy of the selected period.
 - C. **Energy trend**: shows a detailed overview of the energy consumption or savings of the selected period.
2. Turn on/turn off the **Data breakdown** toggle button and select a filter **Select All**, **Dim savings**, or **Switch-off savings** from the dropdown arrow to view the **Energy savings** breakdown.
3. Click **Compare** to [compare](#) notional energy data.
4. In **Energy trend**, click the expand button () to open the [6.3 Energy trend view](#).

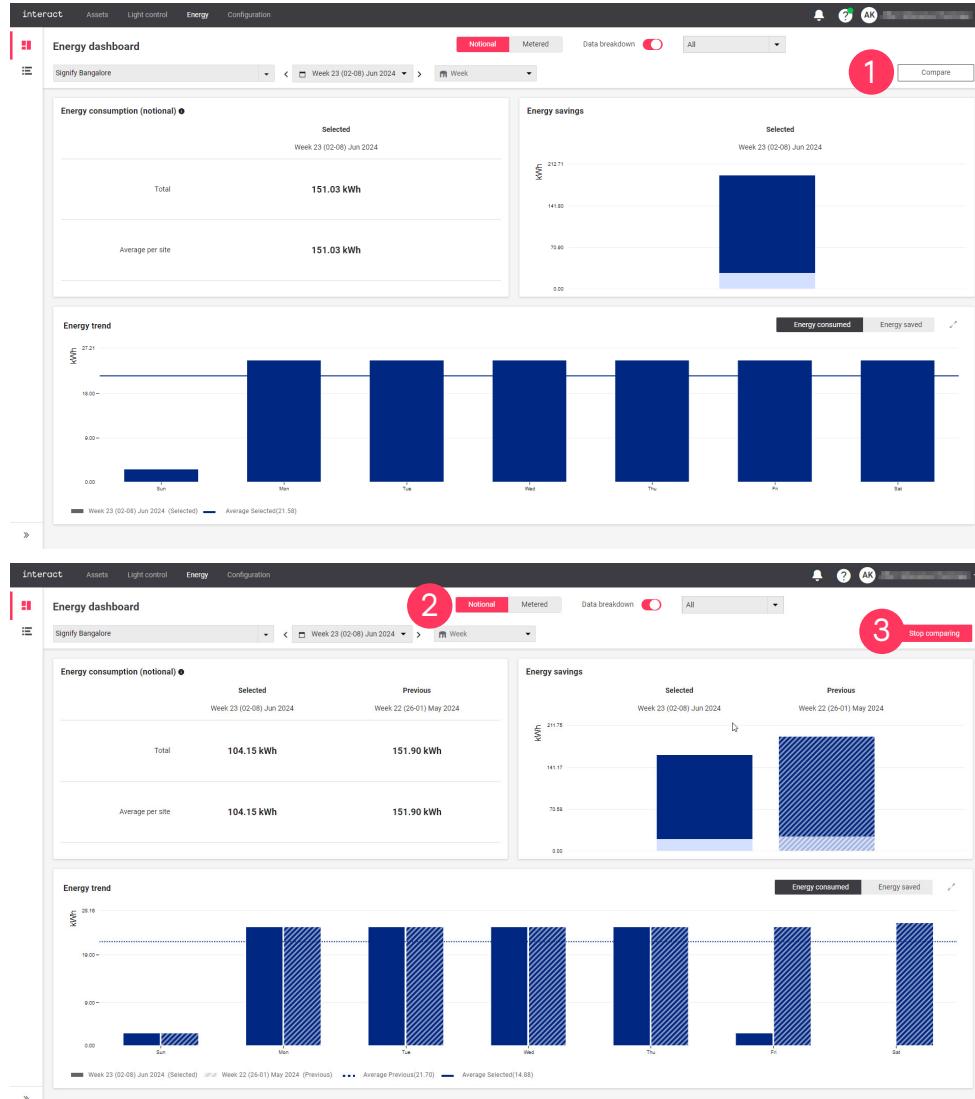
06 Energy



6.2.3 The dashboard explained: Metered

1. When you selected **Metered**, the dashboard shows the following information:
 - Energy consumption (metered)**: shows the total energy consumption and the average energy consumed per site of the selected period.
 - Energy consumption**: shows a detailed energy consumption of each metered groups for the selected period. Use either () or () to toggle between a bar chart or a pie chart.
 - Energy trend**: shows a detailed overview of the energy consumption or savings of the selected period.
2. Turn on/turn off the **Data breakdown** toggle button and select the **Meter groups** from the dropdown arrow to view the **Energy consumption** breakdown.
3. Click **Compare** to [compare](#) metered energy data.
4. In **Energy trend**, click the expand button () to open the [6.3 Energy trend view](#).

06 Energy



6.2.4 The dashboard explained: Compare

Use **Compare** when you want to compare the energy dashboard data of the selected period and the previous period or the current selected site with another selected site.

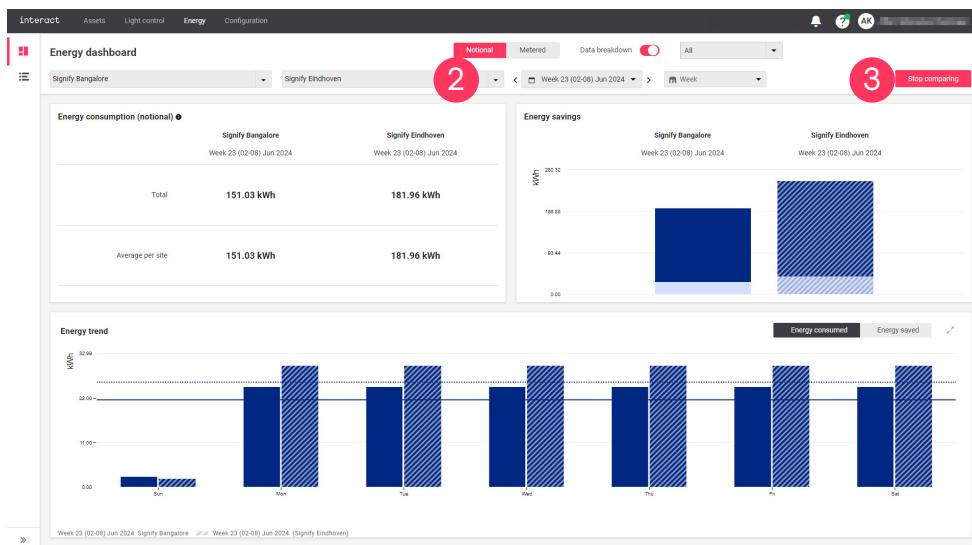
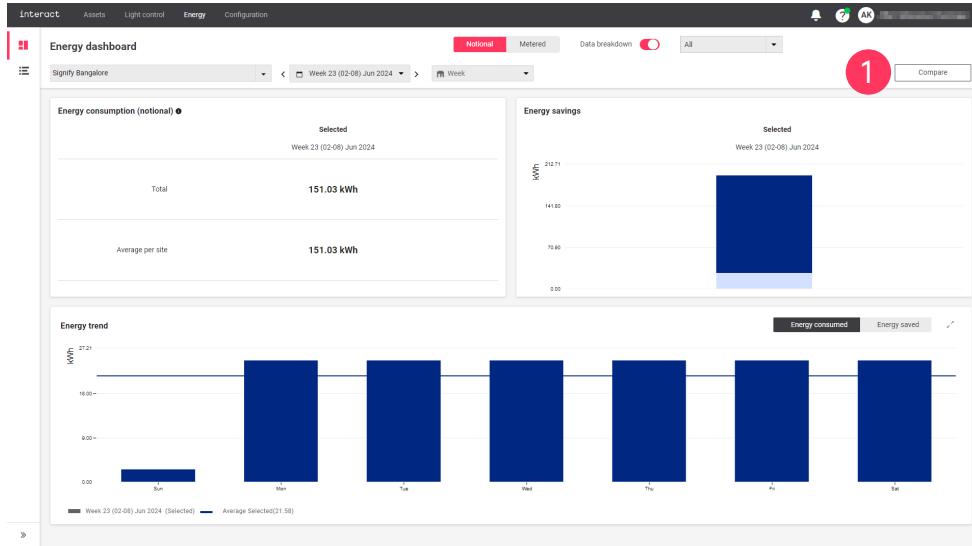
Note

The **Compare** button is used to compare data for both **Notional** and **Metered**.

Period

1. On the energy dashboard, click **Compare > Period > Ok** to view the selected period and the previous period data comparison.
2. Select a period from the dropdown arrow to view the data comparison.
3. Click **Stop comparing**.

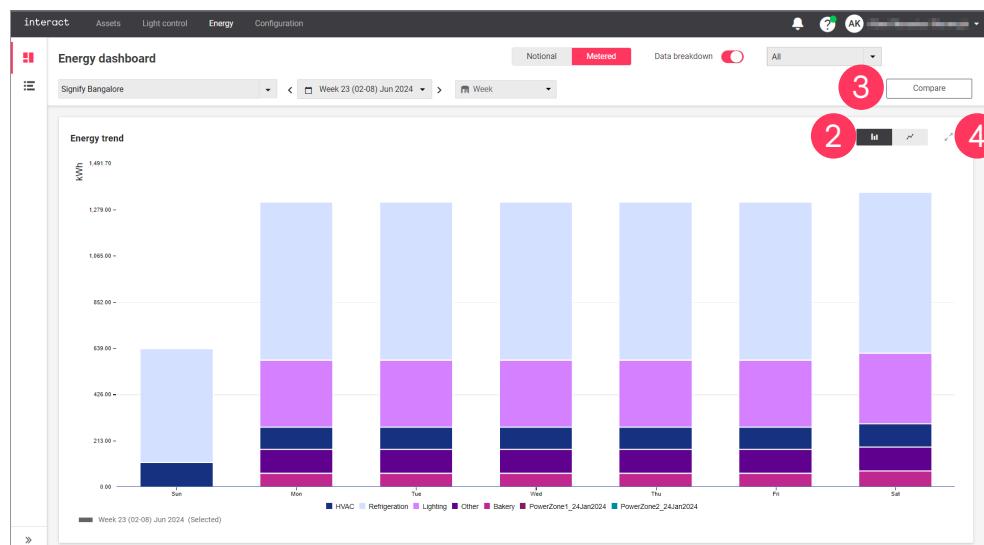
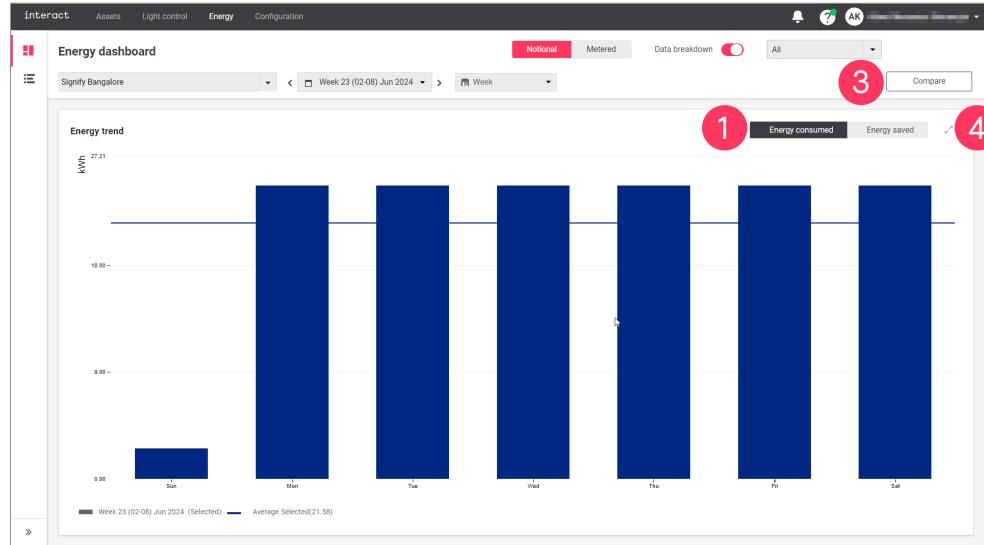
06 Energy



Site

1. On the energy dashboard, click **Compare** > **Site** > **Ok** to view data comparison of two sites.
2. Select another site from the dropdown arrow to view the data comparison.
3. Click **Stop comparing**.

06 Energy



6.3 Energy trend view

The energy trend view shows a detailed diagram of either energy consumption or energy savings, that can be compared with an identical previous period.

1. For Notional only: Click **Energy consumed** or **Energy saved** to switch between views.
2. For Metered only: Use either () or () to toggle between a bar chart or a line chart.
3. Click **Compare** to set a view to compare the energy consumption and energy saved with the previous period or another sites. For more information, see [6.2.4 The dashboard explained: Compare](#).
4. Click the collapse button () to return to the Energy dashboard.

★ Tip

With the mouse cursor, hover over the diagrams to see the details. A dotted line shows the average over the selected period.

06 Energy

The screenshot shows the 'Energy' tab in the 'interact' interface. The main view is the 'Site list' showing a table of energy usage for various sites. The table has columns for Site name, Format, Number of light points, Consumed energy (MWh, kWh/light point, Wh/m2, %), and Saved energy (MWh, kWh/light point, Wh/m2, %). A red circle labeled '1' is on the 'Wh/m2' column header. A red circle labeled '2' is on the 'Hide/Show' button in the top right of the main view. A red circle labeled '3' is on the 'Format' checkbox in the 'Hide / Show - list settings' modal. A red circle labeled '4' is on the 'Save' button in the same modal.

No.	Site name	Format	Number of light points	Consumed energy	Saved energy
1	Signify Shanghai	Supermarket	0	0.48 n.a 238.75 46.7 0.55 n.a 272.75	
2	Signify Bangalore	Supermarket	34	0.65 19.26 327.49 42.9 0.87 25.59 435.11	
3	Signify Eindhoven	Supermarket	43	0.87 20.24 435.13 45.0 1.06 24.69 530.77	
4	Signify Sydney	Supermarket	0	0.88 n.a 440.31 87.0 0.13 n.a 65.61	
5	Signify Rosemont	Supermarket	n.a	n.a n.a n.a n.a n.a n.a n.a	
6	Signify Dubai		n.a	n.a n.a n.a n.a n.a n.a n.a	
7	Signify Singapore		n.a	n.a n.a n.a n.a n.a n.a n.a	
8	Signify Virtual		n.a	n.a n.a n.a n.a n.a n.a n.a	
9	Signify Madrid	Supermarket	n.a	n.a n.a n.a n.a n.a n.a n.a	

6.4 Site list view

The **Site list** view shows a table summary of energy consumption and savings for all sites. It also includes the site names, their formats, and the number of light points each site has. The **Consumed energy** and **Saved energy** are two distinct columns, each consisting of four sub-columns: **MWh**, **kWh/Light points**, **Wh/m2**, and **%**.

Note

The unit of measurement can be Wh (watt-hours), kWh (kilowatt-hours), MWh (megawatt-hours), or TWh (terawatt-hours). These units automatically change depending on the period (Days, Weeks, Months, and Year).

1. Use the sorting (♦) to define the order from lowest to highest, or vice versa.
2. Click the **Hide/unhide** button in the **Site list** view.
3. Clear/select the checkboxes you want to hide/show in the table respectively.
4. Click **Save**.

07 Configuration



- [7.1 About formats](#)
- [7.2 About scenes and naming](#)
- [7.3 Scenes, Areas, Zones and Channels](#)

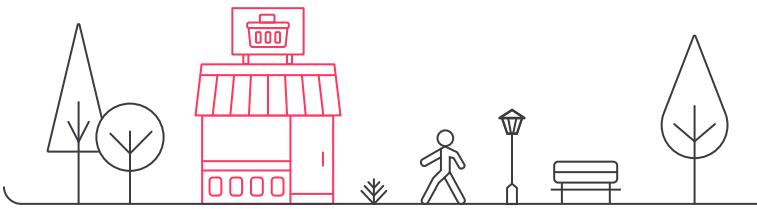
- [7.4 Metered groups](#)
- [7.5 Synchronize time and time zone](#)

07 Configuration

7.1 About formats

In the retail industry, each brand identifies a hierarchy of formats, all having their own characteristics. The typical characteristics per format are listed here, but brands may differentiate in the exact definition.

7.1.1 Convenience stores



Convenience stores are smaller local stores and express formats.

- Stores with a smaller assortment
- Found in smaller villages or holiday resorts, where it's important to be close to the shopper
- Express formats found in places with high traffic, like railway stations, where it's important to persuade people to do an impulse purchase

Typical size:

- Floor area: 80 to 450 m²
- Light points: 50 to 150 light points

07 Configuration

7.1.2 Supermarkets



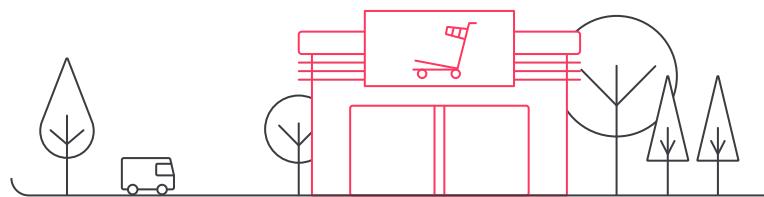
Stores in this format are typically larger supermarkets, fashion and DIY retail and express formats.

- Stores with a large assortment
- Supermarkets and fashion retail mostly found in shopping centers
- DIY retail mostly found at the edges of a town

Typical size:

- Floor area: 500 to 3,000 m²
- Light points: 200 to 1,000 light points

7.1.3 Hypermarkets



This format includes very large stores, like the very big supermarket, often also with an additional assortment than groceries alone, or department stores.

- Stores with a multiple assortments
- Hypermarkets/Wholesalers mostly found at the edges of a town
- Department stores often in the center of a city

Typical size:

- Floor area: 5,000 to 15,000 m²
- Light points: 2,000 to 5,000 light points

07 Configuration

7.2 About scenes and naming

This section introduces the scenes that are most recognized in the retail industry and how these are applied.

7.2.1 All on

All lights are set to 100% on. This scene is for testing purposes and not commonly used.

7.2.2 Trading

The lights adapt to the specific settings defined in this scene, to attract the customer with. This can also include areas with RGB lighting that highlight special areas with discounts or seasonal articles.

7.2.3 Stocking

The lights adapt to levels that make the visual task of stocking comfortable. Some areas may be switched off or at low light levels (office, cash registers), where other areas are 100 % on (storage area, sales floor). Special lighting is switched off.

7.2.4 Cleaning

For cleaning purposes, other light levels are required when compared to stocking, think of the area with cash registers, office, canteen etcetera. Special lighting is switched off

7.2.5 Closed

Specific lights dim to a level that creates a pleasant atmosphere when passing by the site after opening hours.

7.2.6 All off

All lights are set to 0% (off). This scene is not commonly used.

7.2.7 Eco-scenes

Eco-scenes can be created to be applied in schedules that can be used when reduction of energy consumption is required during peak hours, for example Eco-trading and Eco-stocking.

07 Configuration

The screenshot shows the 'Areas & scenes' page of the interox Configuration interface. The main table lists areas with their child areas and assigned scenes. A context menu is open for the 'Sales Floor' area, with step 4 pointing to the 'Create new scene' option. A 'Create new scene' dialog box is overlaid, with step 5 pointing to the 'Enter the scene ID' field containing '8', step 6 pointing to the 'Enter the scene name' input field, and step 7 pointing to the 'Save' button.

7.3 Scenes, Areas, Zones and Channels

7.3.1 Add, edit and reorder scenes

Add scene

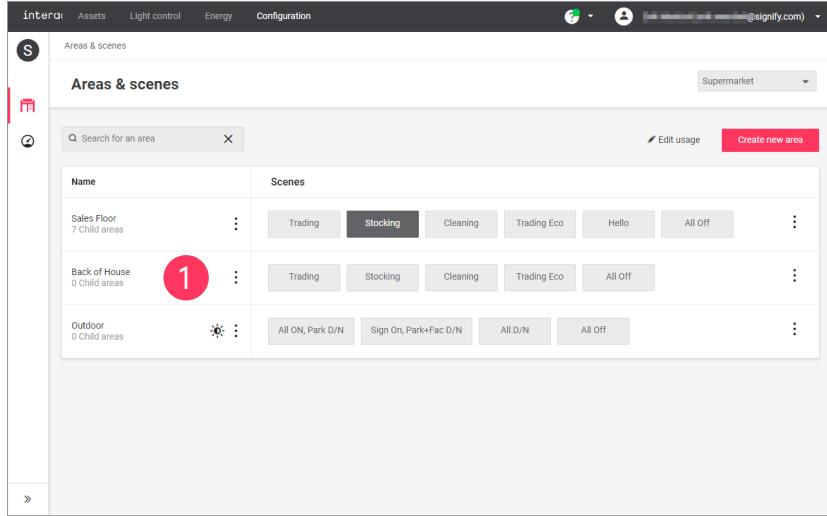
1. In the menu, click **Configuration**.
2. Select **Areas & scenes**.
3. Optionally, select the **Format**.
4. With the mouse, in the **Scenes** column next to the area to add the scene to, hover over the action menu icon (⋮). Click **Create new scene**.
5. Enter the **ID** number for the scene.

Note

The ID numbers follow a sequential order.

6. Enter the **Name** of the scene.
7. Click **Save**.

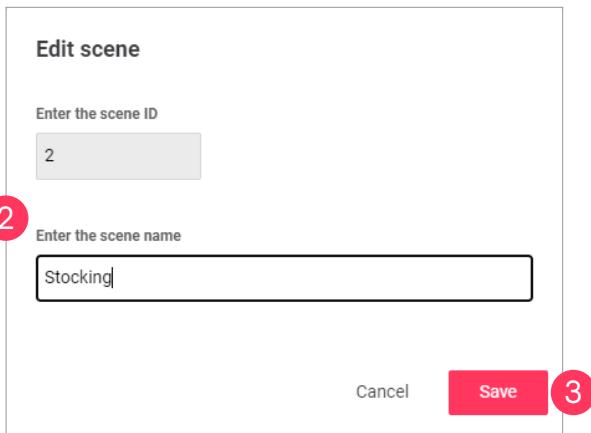
07 Configuration



The screenshot shows the 'Areas & scenes' configuration page. The 'Scenes' column for the 'Sales Floor' area is highlighted with a red circle labeled '1'. The 'Scenes' column for the 'Back of House' area is also visible. The interface includes a search bar, a 'Create new area' button, and a 'Edit usage' button.

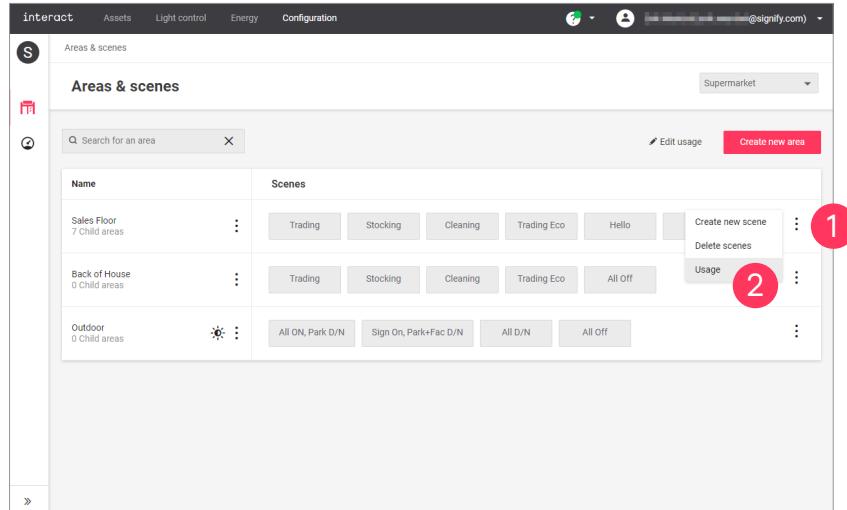
Edit a scene

1. With the mouse, in the **Scenes** column, click the Scene to edit.
2. In the **Edit scene** menu, change the required settings (ID, name).
3. Click **Save**.

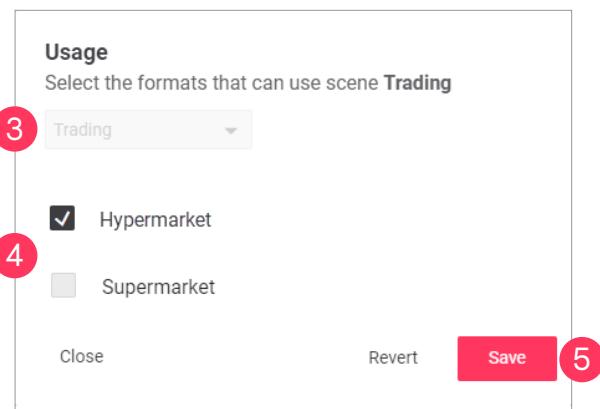


The dialog box is titled 'Edit scene'. It contains fields for 'Enter the scene ID' (value: 2) and 'Enter the scene name' (value: Stocking). At the bottom are 'Cancel' and 'Save' buttons, with the 'Save' button highlighted with a red circle labeled '3'.

07 Configuration



The screenshot shows the 'Areas & scenes' configuration page. The 'Sales Floor' area is selected. A red circle labeled '1' is on the 'Edit usage' button. A red circle labeled '2' is on the 'Usage' dropdown menu for the 'Sales Floor' area.

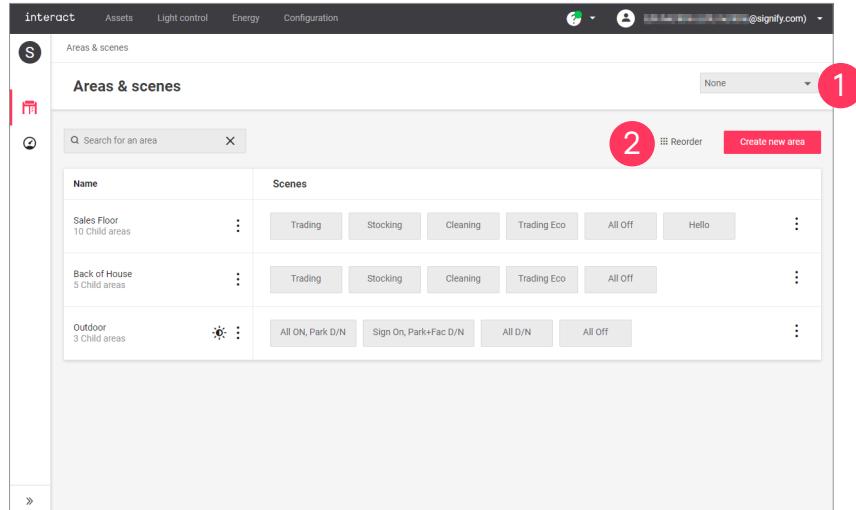


The screenshot shows the 'Usage' configuration dialog. The 'Trading' scene is selected. A red circle labeled '3' is on the 'Trading' dropdown. A red circle labeled '4' is on the 'Hypermarket' checkbox, which is checked. A red circle labeled '5' is on the 'Save' button.

Edit usage of a scene

1. With the mouse, hover over the action menu icon (⋮) of the scene to edit.
2. Click **Usage** to change which area can use the area.
3. Use the dropdown to select a scene.
4. Select the formats that can use the selected scene.
5. Click **Save**.

07 Configuration



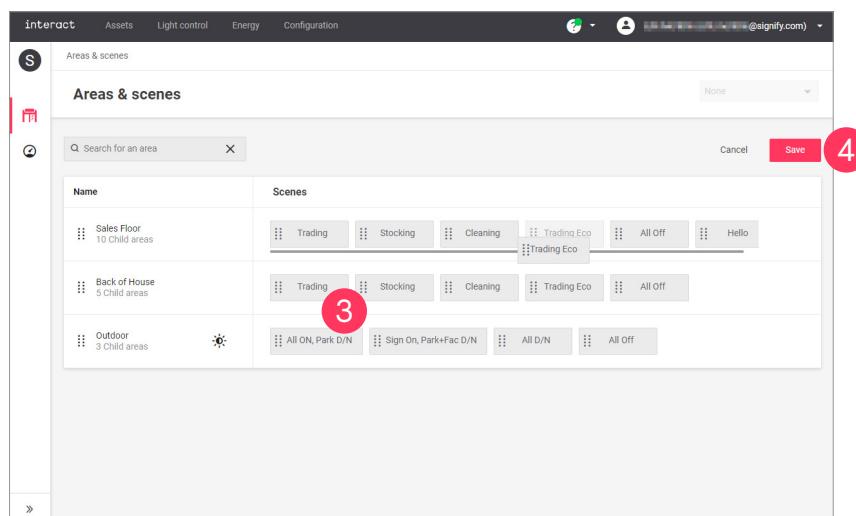
The screenshot shows the 'Areas & scenes' configuration page. At the top, there is a dropdown menu set to 'None'. Below it is a search bar and a 'Reorder' button. The main area lists three areas: 'Sales Floor' (10 Child areas), 'Back of House' (5 Child areas), and 'Outdoor' (3 Child areas). Each area has a list of scenes: 'Trading', 'Stocking', 'Cleaning', 'Trading Eco', 'All Off', and 'Hello'. The 'Sales Floor' area has a red circle labeled '1' over the 'None' dropdown. The 'Reorder' button has a red circle labeled '2' over it.

Reorder scenes

1. Select for formats **None**.
2. Click **Reorder**.
3. With the mouse, grab the scene to move and drag it to its desired place.
4. Click **Save**.

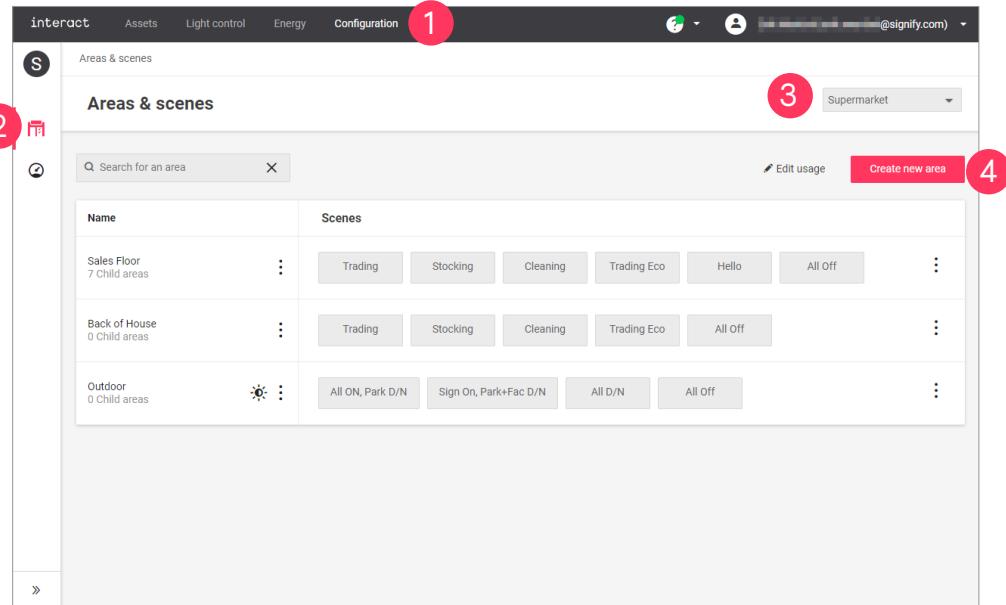
Note

It's not possible to move scenes from one area to another.



The screenshot shows the same 'Areas & scenes' configuration page after reordering. The 'Sales Floor' area now has 'Trading Eco' as the first scene in its list. A red circle labeled '3' is over the 'Trading Eco' button. The 'Save' button has a red circle labeled '4' over it.

07 Configuration



7.3.2 Add, edit and reorder areas

① Important

Keep in mind that adding or editing areas impacts all sites that use the selected format. Therefore, this should be done with caution.

Add area

1. In the menu, click **Configuration**.
2. Select **Areas & scenes**.
3. Optionally, select the **Format**.
4. Click **Create new area**.

07 Configuration

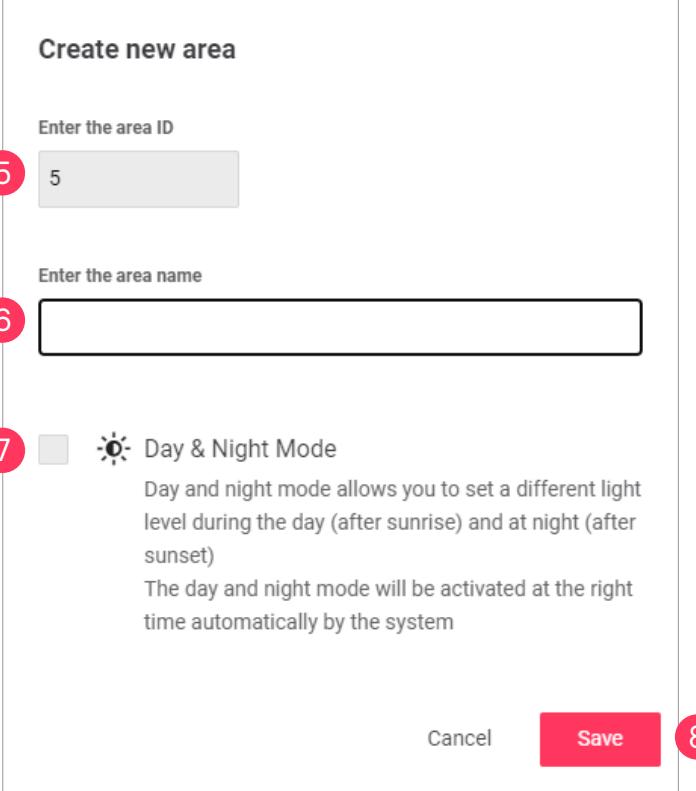
Create new area

Enter the area ID
5

Enter the area name
6

7  Day & Night Mode
Day and night mode allows you to set a different light level during the day (after sunrise) and at night (after sunset)
The day and night mode will be activated at the right time automatically by the system

Cancel Save 8



- Enter the **ID** number for the area.

 **Note**

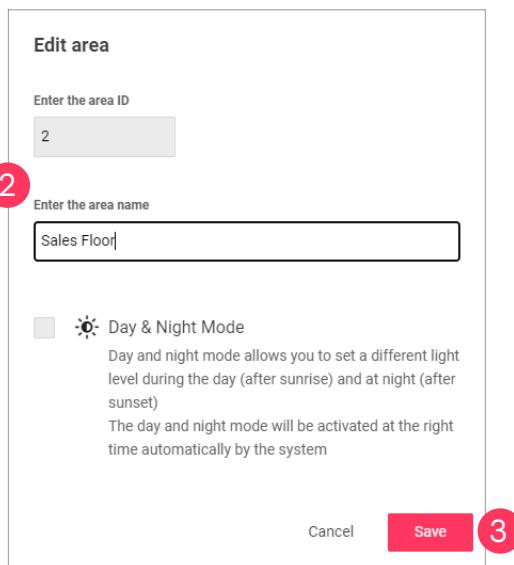
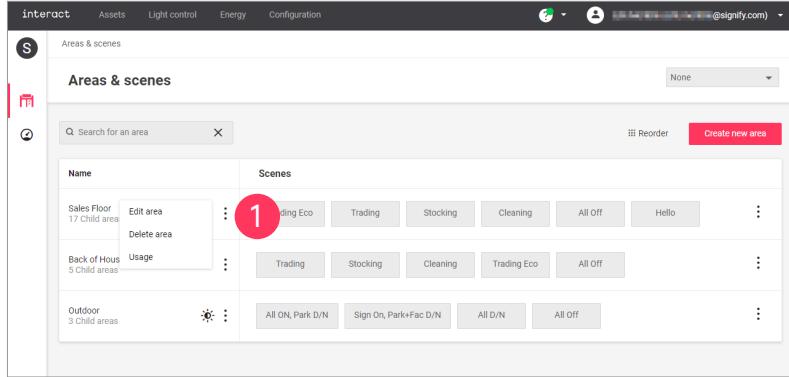
Area IDs are part of the intake document and correspond with area usage for all sites. It's important to use IDs consistent on newly created areas and not reusing them.

- Enter the **Name** of the area.
- Optionally, select the checkbox **Day & Night Mode** to enable this option.
- Click **Save**.

 **Note**

- Enabling the day and night mode activates automatic switching of the area by the system based on sunrise and sunset.
- Areas with the day and night mode enabled can be identified by the  icon.
- See section [5.2.2 Day and night mode](#) for more information.

07 Configuration



Edit area

Enter the area ID
2

Enter the area name
Sales Floor

 Day & Night Mode
Day and night mode allows you to set a different light level during the day (after sunrise) and at night (after sunset)
The day and night mode will be activated at the right time automatically by the system

Cancel **Save**

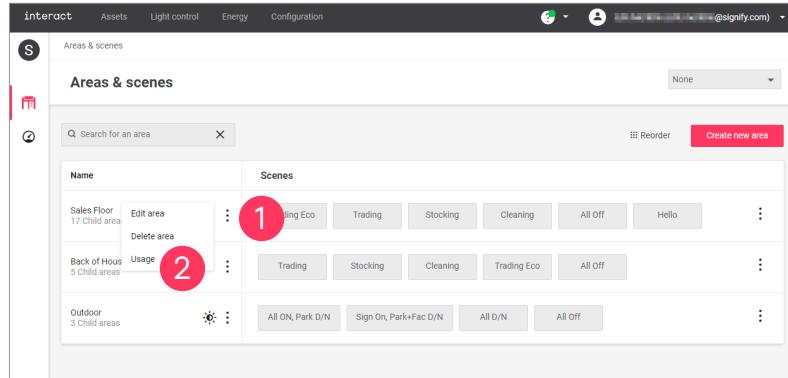
Edit area

1. With the mouse, hover over the action menu icon (⋮) of the area to edit. Click **Edit area**.
2. In the **Edit area** menu, change the required settings (ID, name, day and night mode).
3. Click **Save**.

Note

- Enabling the day and night mode activates automatic switching of the area by the system based on sunrise and sunset.
- Areas with the day and night mode enabled can be identified by the  icon.
- See section [5.2.2 Day and night mode](#) for more information.

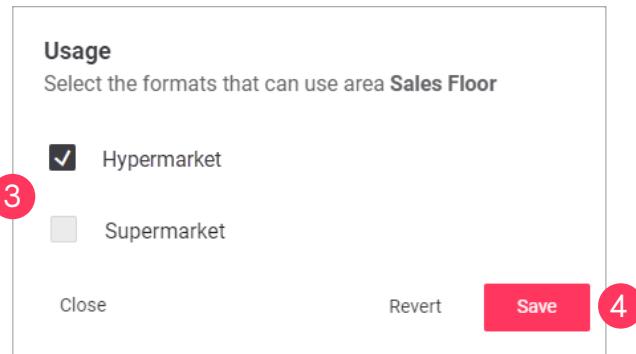
07 Configuration



The screenshot shows the 'Areas & scenes' configuration page. The 'Sales Floor' area is selected. A red circle labeled '1' is on the 'Edit area' button in the action menu. A red circle labeled '2' is on the 'Usage' button in the action menu for the 'Back of House' area.

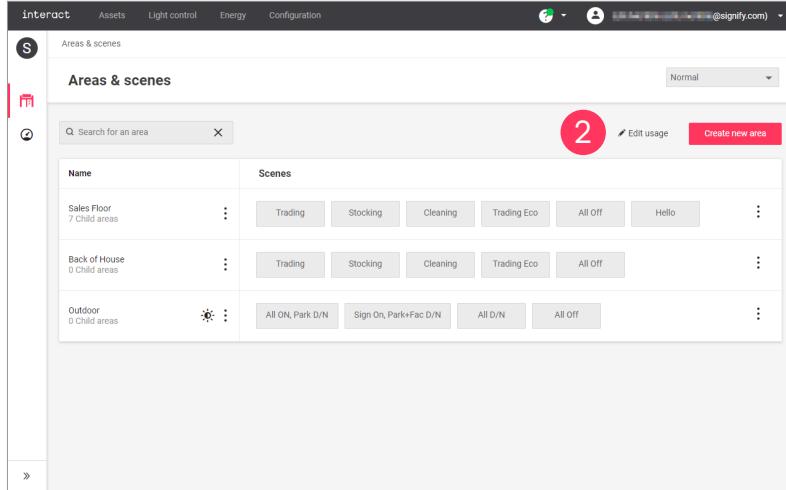
Edit usage of an area

1. With the mouse, hover over the action menu icon (⋮) of the area to edit.
2. Click **Usage** to change which format can use the area.
3. In the **Usage** menu, select the formats that can include the selected area.
4. Click **Save**.



The screenshot shows the 'Usage' configuration dialog for the 'Sales Floor' area. It shows two checkboxes: 'Hypermarket' (checked) and 'Supermarket'. A red circle labeled '3' is on the 'Hypermarket' checkbox. A red circle labeled '4' is on the 'Save' button.

07 Configuration



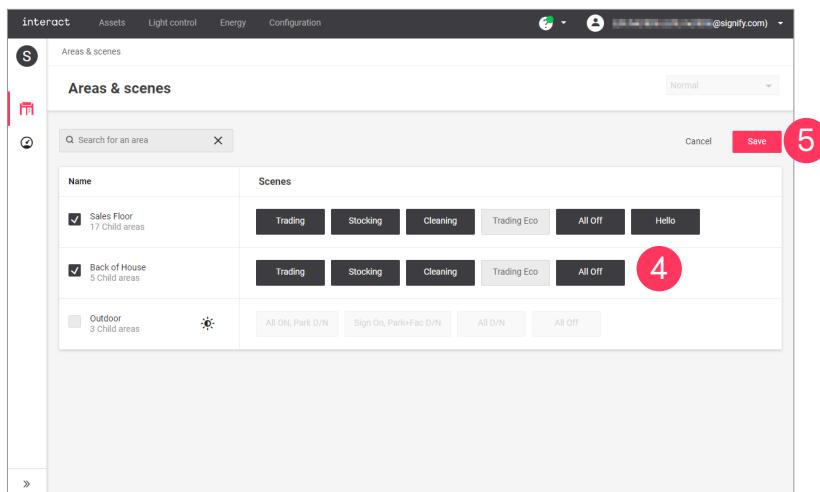
Areas & scenes

Normal

Search for an area

Name Scenes

Name	Scenes
Sales Floor 7 Child areas	Trading Stocking Cleaning Trading Eco All Off Hello
Back of House 0 Child areas	Trading Stocking Cleaning Trading Eco All Off
Outdoor 0 Child areas	All ON, Park D/N Sign On, Park+Fac D/N All D/N All Off



Areas & scenes

Normal

Search for an area

Name Scenes

Name	Scenes
<input checked="" type="checkbox"/> Sales Floor 17 Child areas	Trading Stocking Cleaning Trading Eco All Off Hello
<input checked="" type="checkbox"/> Back of House 5 Child areas	Trading Stocking Cleaning Trading Eco All Off
Outdoor 3 Child areas	All ON, Park D/N Sign On, Park+Fac D/N All D/N All Off

Advanced usage editing

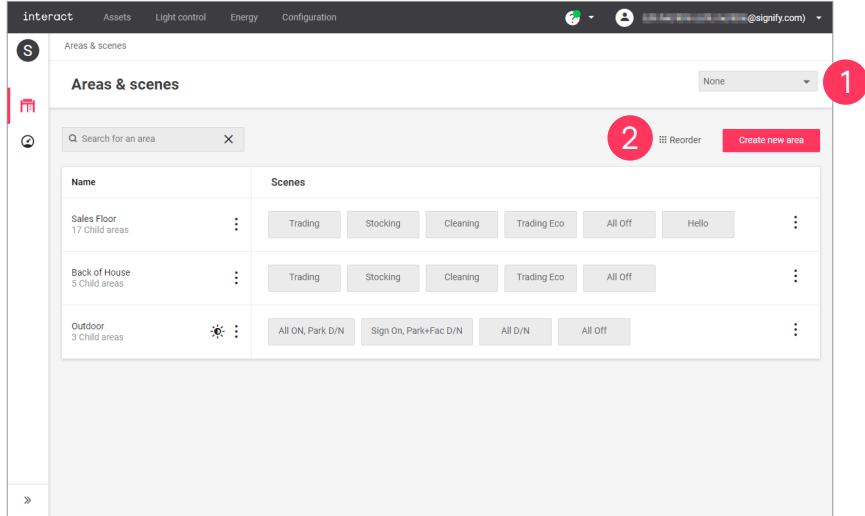
Most brands operate multiple formats, that have their commonalities and differences. Usage editing gives you the possibility to enable or disable the usage of areas for a specific format.

1. Start with selecting the format.
2. Click **Edit usage**.
3. Clear the checkmark next to the **Name** of the area to change its usage in the format.
4. Click the names of the **Scenes** to change usage of the area in the format.
5. Click **Save**.

Note

Areas and/or scenes that are greyed out are excluded for usage in the selected format.

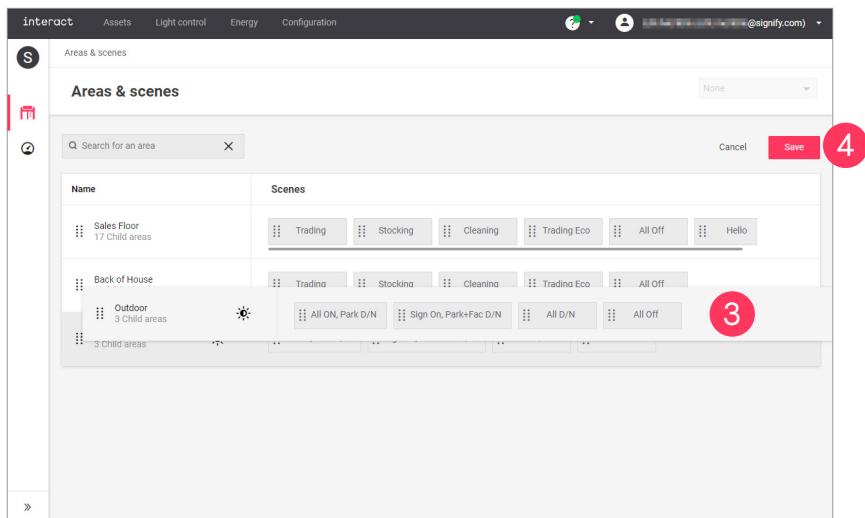
07 Configuration



The screenshot shows the 'Areas & scenes' configuration page. At the top, there is a navigation bar with tabs: interact, Assets, Light control, Energy, and Configuration. The Configuration tab is selected. Below the navigation bar is a search bar with the placeholder 'Search for an area' and a clear button 'X'. To the right of the search bar are three buttons: 'Reorder' (highlighted with a red circle labeled '2'), 'Create new area', and a dropdown menu set to 'None'. The main content area is a table titled 'Areas & scenes'. The table has two columns: 'Name' and 'Scenes'. The 'Name' column lists 'Sales Floor', 'Back of House', and 'Outdoor'. The 'Scenes' column contains buttons for 'Trading', 'Stocking', 'Cleaning', 'Trading Eco', 'All Off', and 'Hello'. Each row has a 'More' button (three dots) on the right. The entire table is enclosed in a light gray border.

Reorder areas

1. Select for formats **None**.
2. Click **Reorder**.
3. With the mouse, grab the area to move and drag it to its desired place.
4. Click **Save**.



The screenshot shows the 'Areas & scenes' configuration page after reordering. The 'Outdoor' area has been moved to the top of the list. The table structure is identical to the first screenshot, but the 'Outdoor' row is now at the top. The 'Save' button in the top right corner of the table header is highlighted with a red circle labeled '4'.

07 Configuration

The screenshot shows the 'Configuration' menu selected in the top navigation bar. The 'Areas & scenes' section is active, displaying a list of child areas and their logical channels. The 'Create new child area' dialog is open in the foreground, prompting for a child area ID and name.

1. Configuration menu
2. Areas & scenes
3. Create new child area button
4. Search bar
5. Logical channels table
6. Child area ID input
7. Child area name input
8. Save button

Name	Logical channels
Cash Registers 2 logical channels	Cash Register 1, Cash Register 2
Main Sales Floor 3 logical channels	Sales Floor 1, Sales Floor 2, Sales Floor 3
Bakery 3 logical channels	Bakery 1, Bakery 2, Bakery 3
Fresh Food 4 logical channels	Fresh Food 1, Fresh Food 2, Fresh Food 3, Fresh Food 4
Meat 2 logical channels	Meat 1, Meat 2
Frozen Food 2 logical channels	Frozen Food 1, Frozen Food 2

7.3.3 Add, edit and reorder control zones

① Important

Keep in mind that adding or editing control zones impacts all sites that use the selected format. Therefore, this should be done with caution.

② Note

Control zones are also called child or nested areas.

Child areas, or control zones, are smaller groups of lights that can have their own setting in the area.

Add child area

1. In the menu, click **Configuration**.
2. Select **Areas & scenes**.
3. Optionally, select the **Format**.
4. Click an **Area** to show the list of child areas.
5. Click **Create new child area**.
6. Enter the **ID** number for the child area.
7. Enter the **Name** of the child area.
8. Click **Save**.

07 Configuration

Name	Logical channels
Cash Register 2 logical channels	cash Register 1, Cash Register 2
Main Sales Floor 3 logical channels	Sales Floor 1, Sales Floor 2, Sales Floor 3
Bakery 3 logical channels	Bakery 1, Bakery 2, Bakery 3
Fresh Food 4 logical channels	Fresh Food 1, Fresh Food 2, Fresh Food 3, Fresh Food 4
Meat 2 logical channels	Meat 1, Meat 2
Frozen Food 2 logical channels	Frozen Food 1, Frozen Food 2

Edit child area

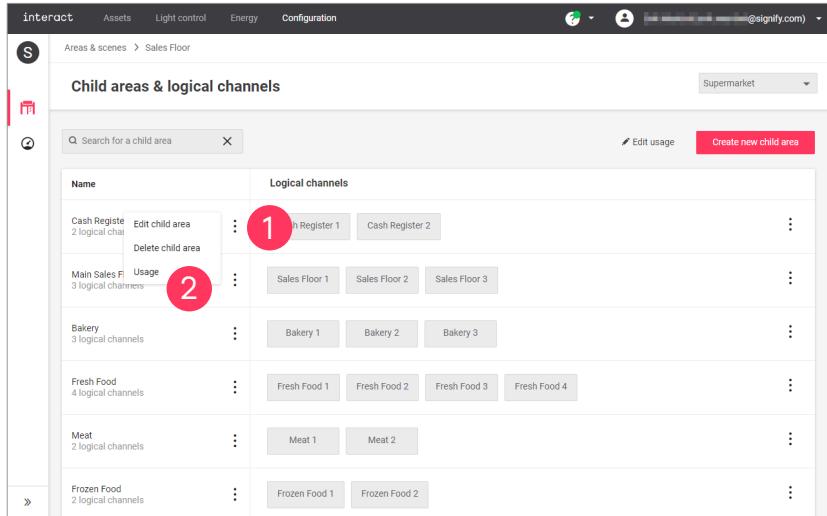
1. With the mouse, hover over the action menu icon (⋮) of the child area to edit. Click **Edit child area**.
2. In the **Edit child area** menu, change the required settings (ID, name).
3. Click **Save**.

21

Cash Registers

Cancel **Save** 3

07 Configuration

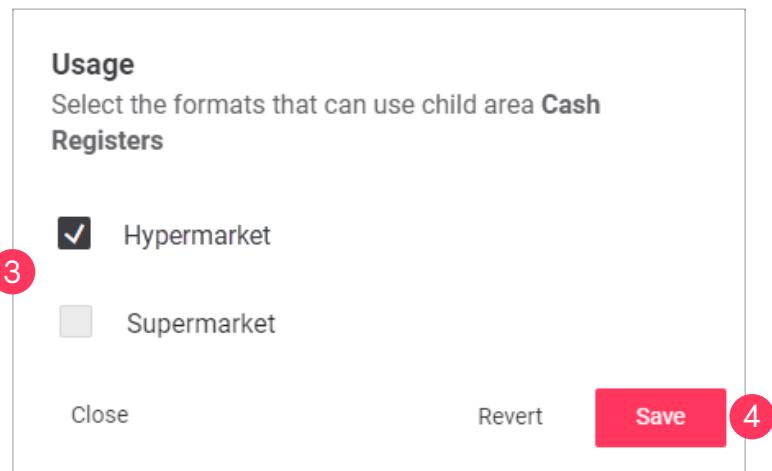


The screenshot shows a list of child areas under a parent area named 'Supermarket'. The list includes:

- Cash Register (2 logical channels): Includes 'Edit child area' (red circle 1), 'Usage' (red circle 2), 'Cash Register 1', and 'Cash Register 2'.
- Math Sales F (3 logical channels): Includes 'Usage' (red circle 2).
- Bakery (3 logical channels): Includes 'Bakery 1', 'Bakery 2', and 'Bakery 3'.
- Fresh Food (4 logical channels): Includes 'Fresh Food 1', 'Fresh Food 2', 'Fresh Food 3', and 'Fresh Food 4'.
- Meat (2 logical channels): Includes 'Meat 1' and 'Meat 2'.
- Frozen Food (2 logical channels): Includes 'Frozen Food 1' and 'Frozen Food 2'.

Edit usage of a child area

1. With the mouse, hover over the action menu icon (⋮) of the child area to edit.
2. Click **Usage** to change which format can use the child area.
3. In the **Usage** menu, select the formats that can use the selected child area.
4. Click **Save**.



Usage
Select the formats that can use child area **Cash Registers**

Hypermarket
 Supermarket

Close **Revert** **Save** (red circle 4)

07 Configuration

The screenshots show the 'Child areas & logical channels' configuration page in the interact web interface. The top screenshot shows a list of areas with their logical channels. The bottom screenshot shows the same list with checkboxes next to the area names, indicating selected areas for usage editing.

Top Screenshot (Step 1): Shows the 'Child areas & logical channels' page with a search bar and a 'Create new child area' button. A red circle labeled '1' is on the 'Create new child area' button.

Bottom Screenshot (Step 2): Shows the same page with checkboxes next to the area names. A red circle labeled '2' is on the 'Edit usage' button.

Bottom Screenshot (Step 3): Shows the same page with checkboxes next to the area names. A red circle labeled '3' is on the checkbox for 'Cash Registers'.

Bottom Screenshot (Step 4): Shows the same page with checkboxes next to the area names. A red circle labeled '4' is on the checkbox for 'Main Sales Floor'.

Bottom Screenshot (Step 5): Shows the same page with checkboxes next to the area names. A red circle labeled '5' is on the 'Save' button.

Advanced usage editing

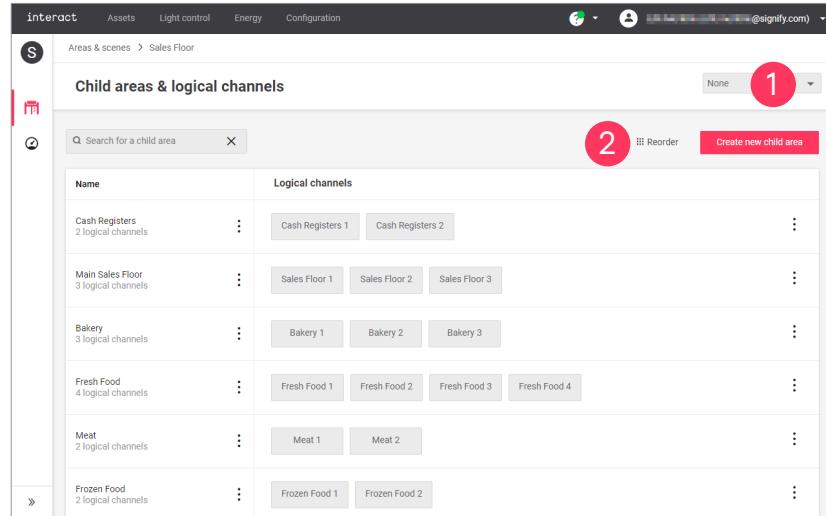
The differences between the formats has also an effect on the scenes that can be used. The average size of a format plays a role in the number of scenes used per area, but also a more luxurious feel for one format would require more scenes. Usage editing gives you the possibility to enable or disable the usage of scenes for a specific format.

1. Start with selecting the format.
2. Click **Edit usage**.
3. Clear the checkmark next to the **Name** of the child area to change its usage in the format.
4. Click the names of the **Logical channel** to change its usage in the format.
5. Click **Save**.

Note

Child areas and/or Logical channels that are greyed out are excluded for usage in the selected format.

07 Configuration

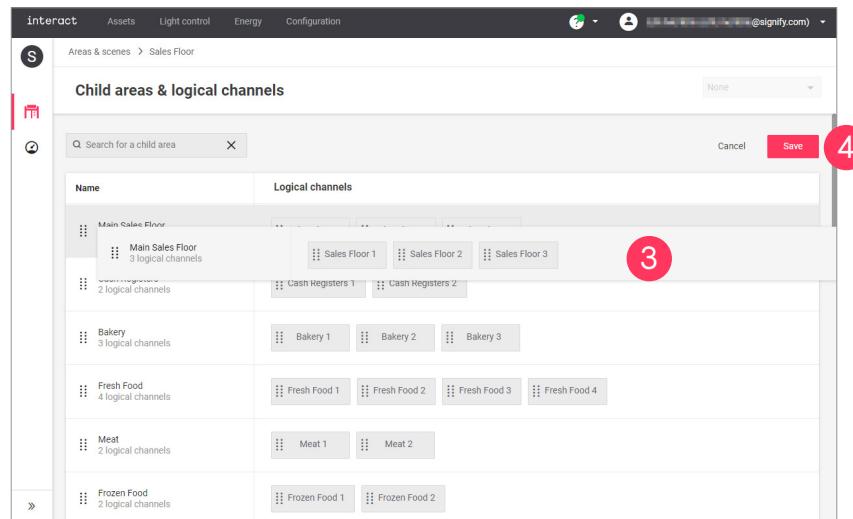


The screenshot shows the 'Child areas & logical channels' configuration page. At the top, there is a dropdown menu set to 'None'. Below it is a search bar and a 'Reorder' button. The main area is a table with columns for 'Name' and 'Logical channels'. The data is as follows:

Name	Logical channels
Cash Registers 2 logical channels	Cash Registers 1, Cash Registers 2
Main Sales Floor 3 logical channels	Sales Floor 1, Sales Floor 2, Sales Floor 3
Bakery 3 logical channels	Bakery 1, Bakery 2, Bakery 3
Fresh Food 4 logical channels	Fresh Food 1, Fresh Food 2, Fresh Food 3, Fresh Food 4
Meat 2 logical channels	Meat 1, Meat 2
» Frozen Food 2 logical channels	Frozen Food 1, Frozen Food 2

Reorder child areas

1. Select for formats **None**.
2. Click **Reorder**.
3. With the mouse, grab the area to move and drag it to its desired place.
4. Click **Save**.



The screenshot shows the same configuration page after reordering. The 'Main Sales Floor' area has been moved to the top of the list. The data is as follows:

Name	Logical channels
Main Sales Floor 3 logical channels	Sales Floor 1, Sales Floor 2, Sales Floor 3
» 2 logical channels	Cash Registers 1, Cash Registers 2
Bakery 3 logical channels	Bakery 1, Bakery 2, Bakery 3
Fresh Food 4 logical channels	Fresh Food 1, Fresh Food 2, Fresh Food 3, Fresh Food 4
Meat 2 logical channels	Meat 1, Meat 2
» Frozen Food 2 logical channels	Frozen Food 1, Frozen Food 2

07 Configuration

1 Configuration

2 Areas & scenes

3 Format

4 Search for a child area

5 Create new logical channel

6 Dimming/Swi

7 3

8 Channel Name

9 Save

7.3.4 Add, edit and reorder channels

① Important

Keep in mind that adding or editing channels impacts all sites that use the selected format. Therefore, this should be done with caution.

Add logical channel

1. In the menu, click **Configuration**.
2. Select **Areas & scenes**.
3. Optionally, select the **Format**.
4. Click an area to show the list of child areas.
5. With the mouse, in the **Logical channels** column next to the child area to add the channel to, hover over the action menu icon (⋮). Click **Create new logical channel**.
6. In the dropdown menu, select the type of logical channel, set by default to **Dimming/Switching**.
7. Enter the **ID** number for the channel.
8. Enter the **Name** of the channel.
9. Click **Save**.

>Note

Select the type **RGB** when the use of the channel is intended for, for example, colored accent lighting.

07 Configuration

Edit logical channel

1. With the mouse, in the **Logical channels** column, click the Channel to edit.
2. In the **Edit logical channel** menu, change the required settings (type, ID, name).
3. Click **Save**.

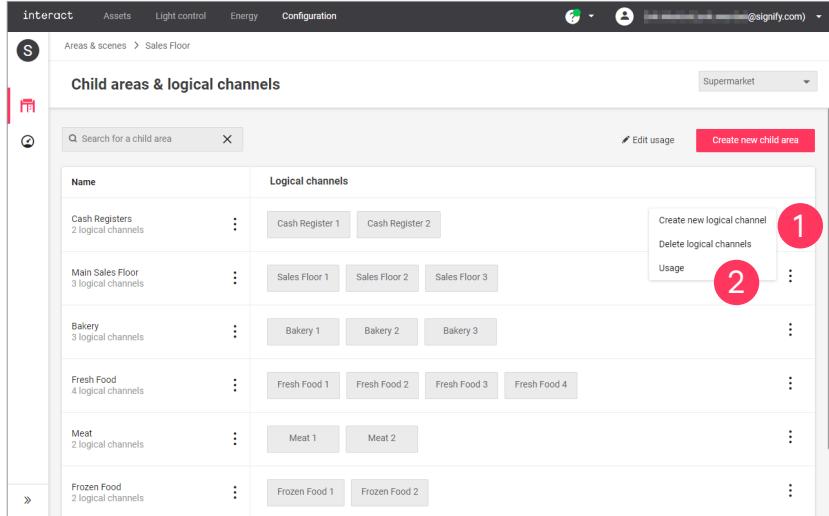
Enter the logical channel type
Dimming/Swi

Enter the logical channel ID
1

Enter the logical channel name
Sales Floor 1

Cancel **Save** 3

07 Configuration



interact Assets Light control Energy Configuration

Areas & scenes > Sales Floor

Child areas & logical channels

Supermarket

Search for a child area

Logical channels

Name	Logical channels
Cash Registers 2 logical channels	Cash Register 1 Cash Register 2
Main Sales Floor 3 logical channels	Sales Floor 1 Sales Floor 2 Sales Floor 3
Bakery 3 logical channels	Bakery 1 Bakery 2 Bakery 3
Fresh Food 4 logical channels	Fresh Food 1 Fresh Food 2 Fresh Food 3 Fresh Food 4
Meat 2 logical channels	Meat 1 Meat 2
Frozen Food 2 logical channels	Frozen Food 1 Frozen Food 2

1

2

Create new child area

Edit usage

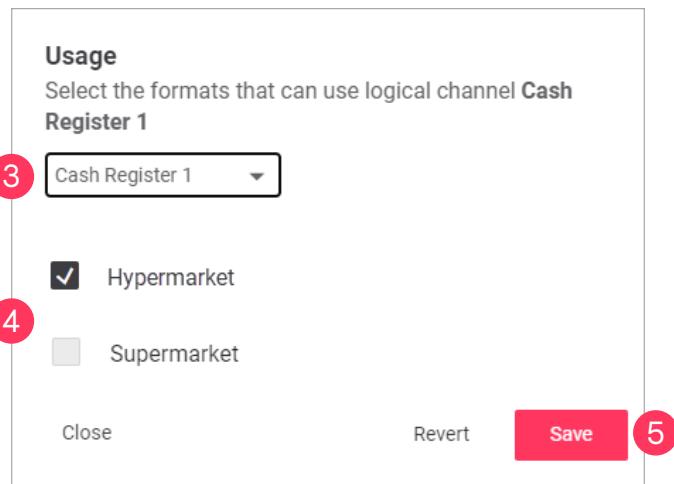
Create new logical channel

Delete logical channels

Usage

Edit usage of a logical channel

1. With the mouse, hover over the action menu icon (⋮) of the scene to edit.
2. Click **Usage** to change which area can use the area.
3. Use the dropdown to select a channel.
4. Select the formats that can use the selected channel.
5. Click **Save**.



Usage

Select the formats that can use logical channel **Cash Register 1**

3 Cash Register 1

4 Hypermarket

Supermarket

Close Revert 5 Save

07 Configuration

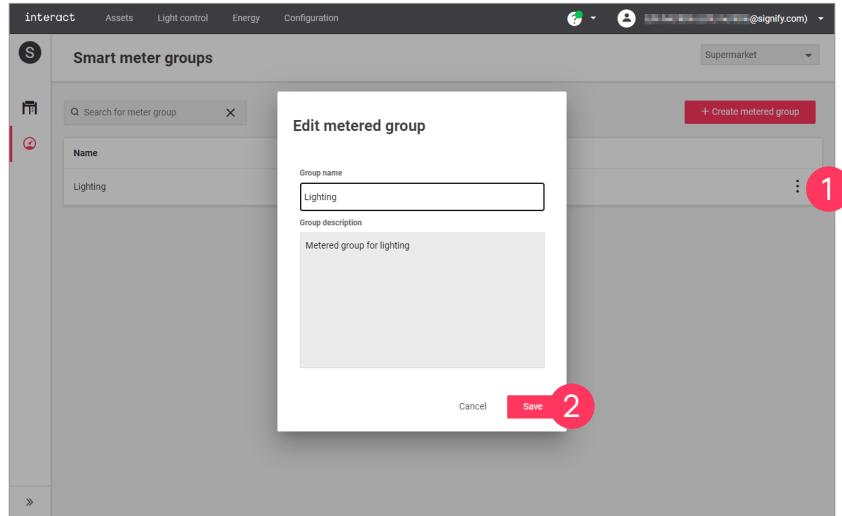
The screenshot shows the 'Child areas & logical channels' configuration page. The interface includes a top navigation bar with 'interact', 'Assets', 'Light control', 'Energy', and 'Configuration'. The main area is titled 'Child areas & logical channels' with a sub-section 'Logical channels'. A search bar 'Search for a child area' is present. A dropdown menu 'None' is highlighted with a red circle labeled '1'. A 'Reorder' button is highlighted with a red circle labeled '2'. A specific logical channel 'Cash Registers 1' is highlighted with a red circle labeled '3'. A 'Save' button is highlighted with a red circle labeled '4'.

Name	Logical channels
Cash Registers 2 logical channels	Cash Registers 1 Cash Registers 2
Main Sales Floor 3 logical channels	Sales Floor 1 Sales Floor 2 Sales Floor 3
Bakery 3 logical channels	Bakery 1 Bakery 2 Bakery 3
Fresh Food 4 logical channels	Fresh Food 1 Fresh Food 2 Fresh Food 3 Fresh Food 4
Meat 2 logical channels	Meat 1 Meat 2
Frozen Food 2 logical channels	Frozen Food 1 Frozen Food 2

Reorder logical channels

1. Select for formats **None**.
2. Click **Reorder**.
3. With the mouse, grab the area to move and drag it to its desired place.
4. Click **Save**.

07 Configuration

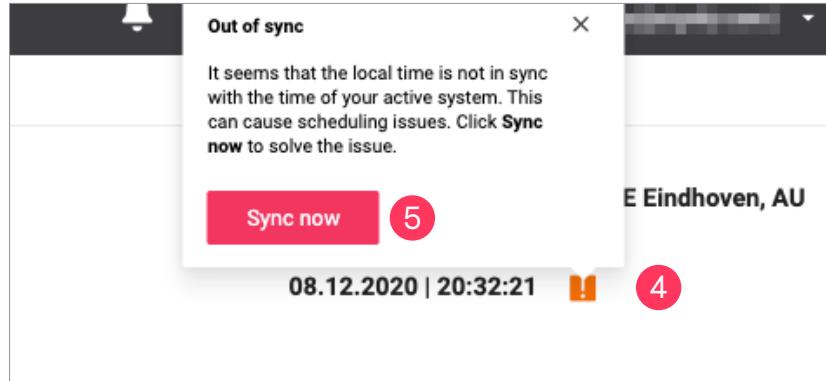


7.4 Metered groups

7.4.1 Edit metered group

1. With the mouse, hover over the action menu icon (⋮) of the metered group to edit. Click **Edit**.
2. In the **Edit metered group** menu, change the **Group name** and/or **Group description**. Click **Save**.

07 Configuration



7.5 Synchronize time and time zone

Synchronizing the time and time zone with the site location is important for the schedules to run on the local time. This is equally important for the day and night mode to be in sync with the times of sunrise and sunset.

Synchronization with the time zone is configured during commissioning of the gateway using the GPS coordinates of the site. These coordinates are given as part of the intake.

The system checks the local time of the gateway remotely. In case the time on the gateway is out of sync, the customer is given the possibility to trigger synchronization.

1. In the menu, click **Light control**.
2. Click **Sites** (), then click **Overview**.
3. When the local time is out of sync, an orange exclamation mark appears next to the time.
4. Hover over the  symbol, a popup appears.
5. Click **Sync now** to synchronize the time with your system time.

Appendix A – Roles and responsibilities

Customer and service provider roles

Activities / Roles	Facility manager	Format manager	Store manager
User management (e.g. workorders, etc.)	✓		
Assets and health	✓	✓	
Emergency lighting test results	✓		
Light control (Concepts and Schedules)	✓	✓	⊖
Configuration (Design)	✓		
Energy monitoring	✓	✓	
Handover to end user	✓	✓	

Explanation of the symbols

✓ Possible

⊖ Local override only



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