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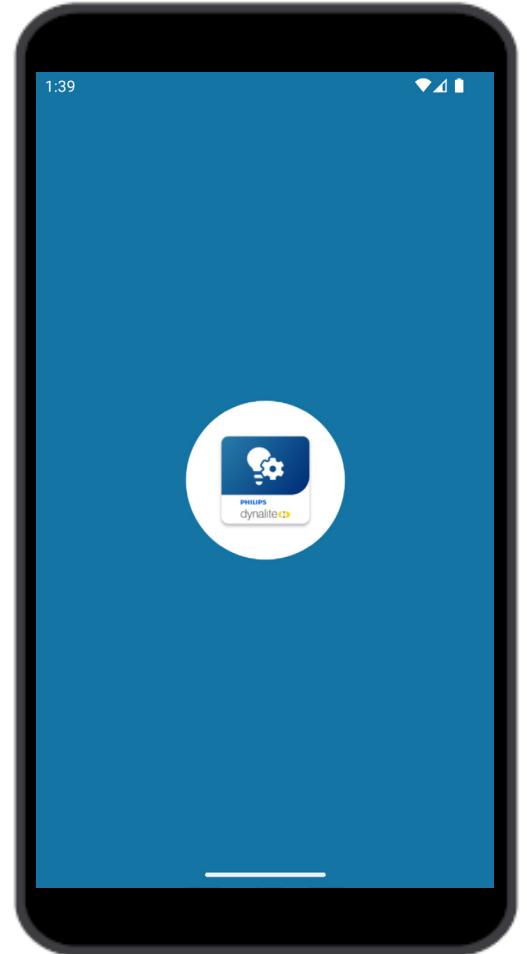
**Design & Installation**

Architecture FLX - Multisite

### Learning objectives | Multisite Design & Installation

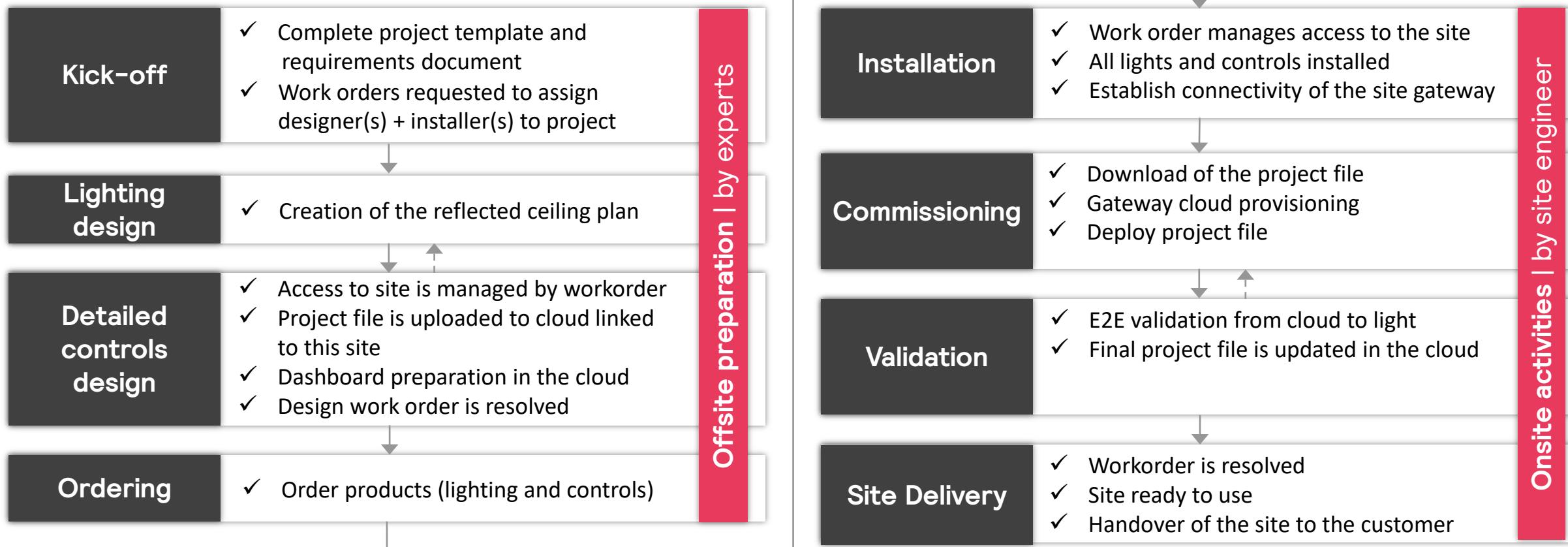
At the end of this lesson, you should be able to:

- Describe the steps required for the design phase
- Describe the steps required for the installation phase



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## Overall design and commissioning workflow



Workorders

⇒ Secure and well-defined access control



Centralized digital storage

⇒ More efficient workflow, mitigate errors and double work

Offsite preparation

⇒ Flexibility + cost saving

Workflow wizard

⇒ Clear workflow with well defined handshakes

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## Offsite preparation

	Steps (what?)	Actor (who?)	Tool (how?)
Functional design brief	<ol style="list-style-type: none"> <li>1) Request new customer project <ul style="list-style-type: none"> <li>▪ Input: reference store design + deltas + tender document</li> <li>▪ Output: completed project template &amp; requirement document</li> </ul> </li> <li>2) Align with customer on name convention (areas / channels / scenes)</li> <li>3) Request workorders for a) design (light + controls) and b) installation</li> </ol>	KAM, system architect, @ market or consultant	Project template OTRS tickets
Lighting design	<ol style="list-style-type: none"> <li>1) Create lighting design <ul style="list-style-type: none"> <li>▪ Input: site layout / floorplan</li> <li>▪ Output: reflected ceiling plan, + luminaire count</li> </ul> </li> <li>2) Uploading output into cloud or send to controls designer</li> <li>3) Resolve workorder (future)</li> </ol>	Lighting designer @ LIAS	AutoCAD
Controls design	<ol style="list-style-type: none"> <li>1) Create controls design <ul style="list-style-type: none"> <li>▪ Input: requirements in project template, reflected ceiling plan (pdf)</li> <li>▪ Output: controls BoM + project file + installation summary (wire diagram + termination details for load controller)</li> </ul> </li> <li>2) Uploading output into cloud</li> <li>3) Create / Extend (areas / channels / scenes) in cloud for customer</li> <li>4) Resolve workorder (for controls design)</li> </ol>	System engineer / proposal manager / estimator @ system centers or VAP	System Designer* integral part of System Builder 
Approval	<ol style="list-style-type: none"> <li>1) Approval by customer</li> <li>2) Ordering of products (lighting + controls)</li> <li>3) Ready for installation</li> </ol>	Customer / main contractor	Multisite System Manager 

\* For System Designer you need a technician license = designer license of System Builder

## Onsite commissioning and validation

✉ Installer receives workorder via e-mail



Login using his own e-mail credentials  
 ⇒ Select workorder (access to specific site of customer)  
 ⇒ Preview tasks to be done on site & ⇒ follow wizard step by step



Install site gateway & scan QR-code  
 ✓ Establish connectivity  
 ✓ Cloud provisioning of gateway



Install & wire Dynalite network controllers incl sensors & panels  
 ⇒ Deploy prepared project file into DyNet network using System Builder  
 • Coming soon: installer app triggers project file deployment from cloud



Validate of all areas and channels  
 ✓ E2E validation: app ⇒ cloud ⇒ visual inspection on-site ⇒ confirm  
 ✓ Mobility allows a single person to complete the task



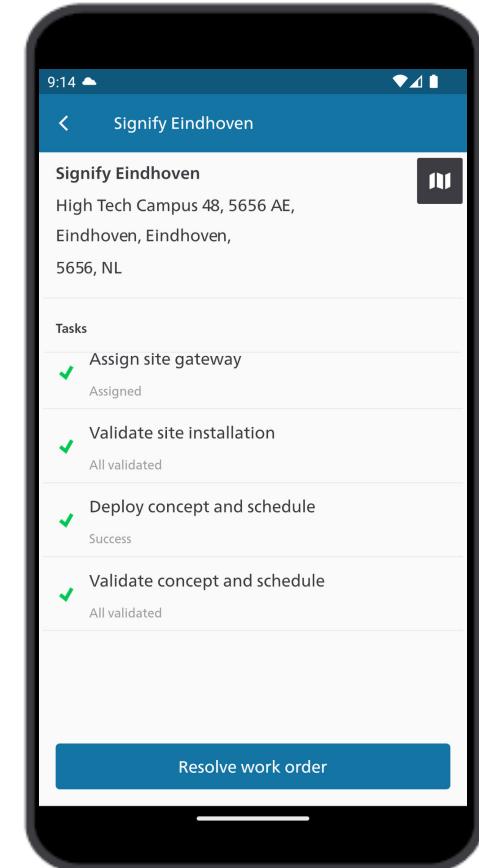
Deploy default concepts and schedules from cloud & check  
 ✓ Customer and format specific  
 ✓ Adjustable by format manager centrally



Finish site & “Resolve workorder”  
 ✓ Site shows up at customer dashboard as “ready to use”



Download **Philips Dynalite System Enabler App** from  
 iTunes App store or Google play



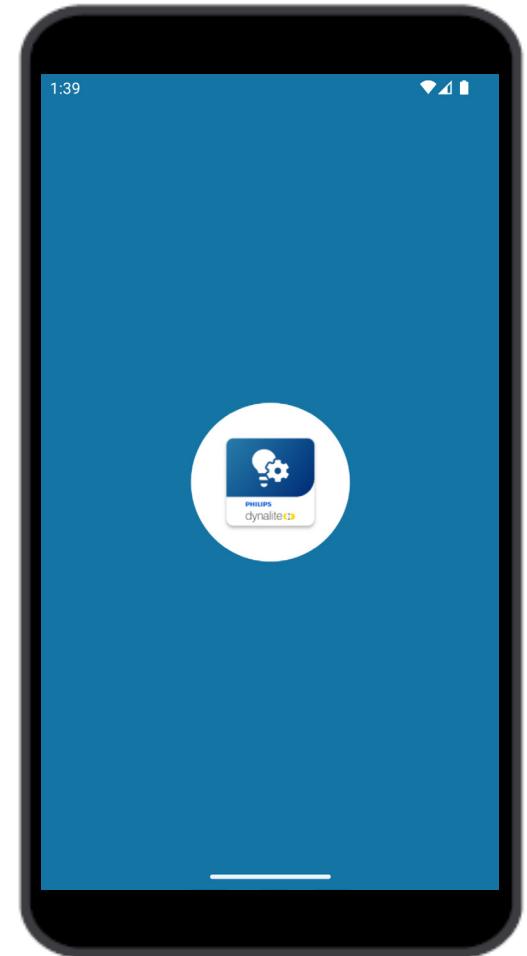
- ✓ Enables installer to do templated commissioning
- ✓ Links to Retail portal
- ✓ iOS and Android app
- ✓ Globally available

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### Lesson review | Multisite Design & Installation

In this lesson, you learn that:

- A Multisite project is divided in an offsite stage for preparation and design; and an on-site stage which includes installation, commissioning, validation and finally handover.
- The project template form is used in both System Builder software and Retail cloud to avoid mistakes on the information aligned with the customer.
- The Multisite install Mobile app will finally link the gateway to the cloud Database, and help validating the system behavior. Once validated, the Scenes and Schedules can be deployed to the site.



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