





LuxMaster Quattro HD-2

- Basic Version

Agenda

LuxMaster at a glance

- Control Pro II – APCs: Classification of the new interface
- LuxMaster first version

BT - DALI networking

- Basic BLE Mesh
- Structure in the app
- APC behaviour in BT

Application: Exercise in the app

Overview of new APCs



Definition

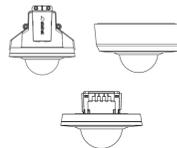
Definition



LuxMaster



All-in-One
Control unit



 **Bluetooth® MESH**

Plug & Play
Flexible system expansion

DALI-2 lighting management for individual rooms
Unbeatable in flexibility and function

<p>Easy to plan.</p> <p>The LuxMaster combines bus voltage, sensor and control are combined in one device.</p>	<p>Quick to set up.</p> <p>Fully automatic DALI-2 operating mode in broadcast with main and basic lighting functions set in the factory settings.</p>	<p>And flexible for retrofitting.</p> <p>Area extensions through sensor networking and retrofitting of system components via Bluetooth Mesh.</p>
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Overview of DALI APC sensors



IR Micro Office,
3000 series



IR Quattro HD
DALI duo 24m



IR Quattro HD
DALI plus 24m



Control PRO II series



LiveLink

Light channels

1

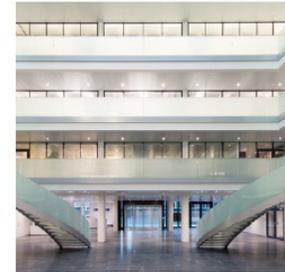
2

3

4

16

Areas of application



First version of Luxmaster

Like a big brother to the IR Micro Office

- Broadcast operation
- Addressing of DALI luminaires
- Division into up to 4 DALI groups
- Scenes in BT
- Temporary scenes in DALI (push button)
- Constant light control
- Operating modes:
 - Fully automatic
 - Semi-automatic
 - Light sensor operation (constant light control)
 - Nightmatic
- Schedules



Commissioning is currently only possible with an Android app.

LuxMaster CP II DALI APC



Second version of Luxmaster

In approx. 6-8 weeks

- Expansion to HF 360 and Hallway
- Folding door
- Multizone...



Final version of Luxmaster

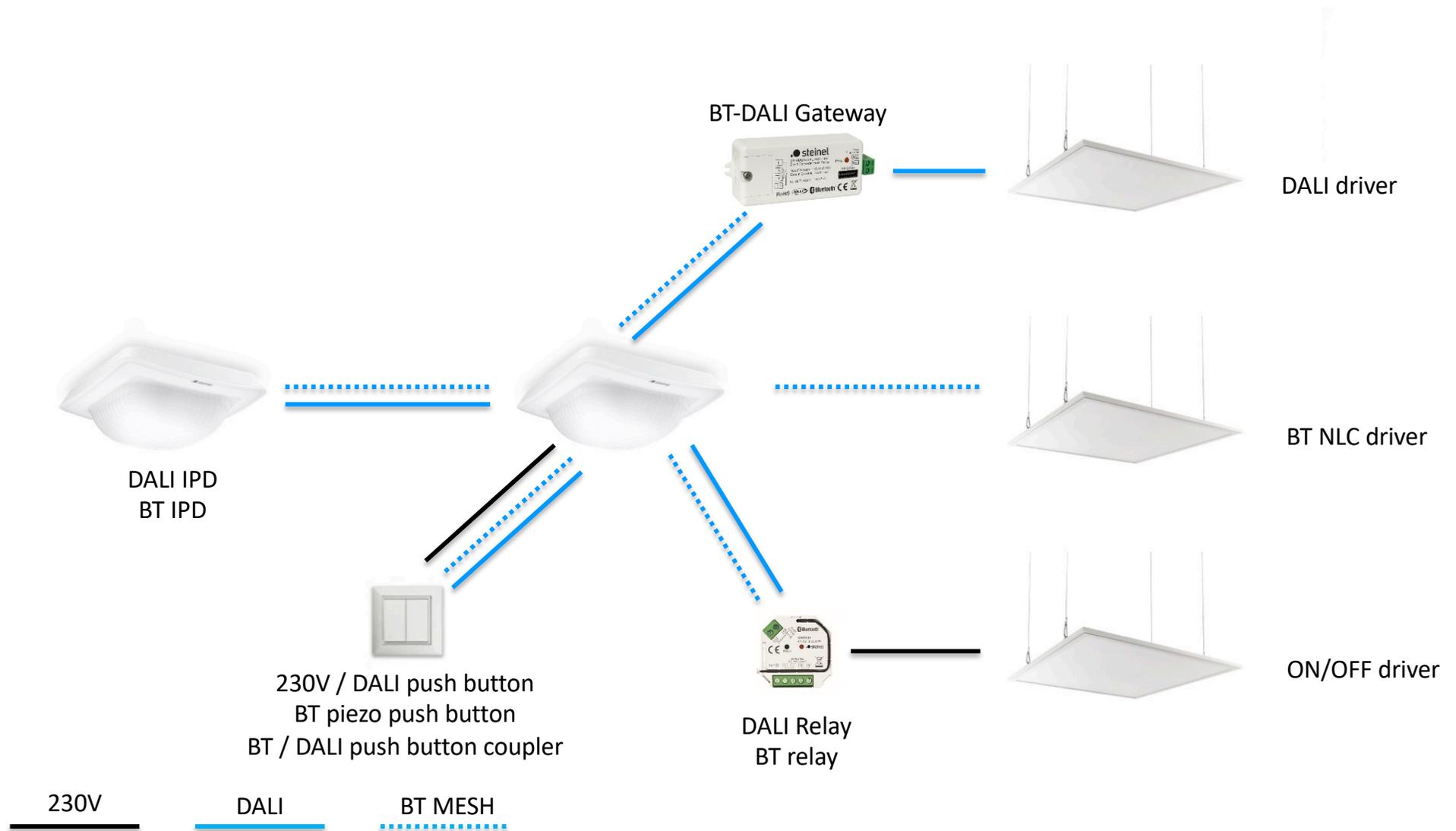
Another 6-8 weeks later

- Network-wide signal (burglar or locking function)
- Maximum dimming level
- Adjustable dimming speed (3-10 s)
- Constant light control in fixed and dynamic modes

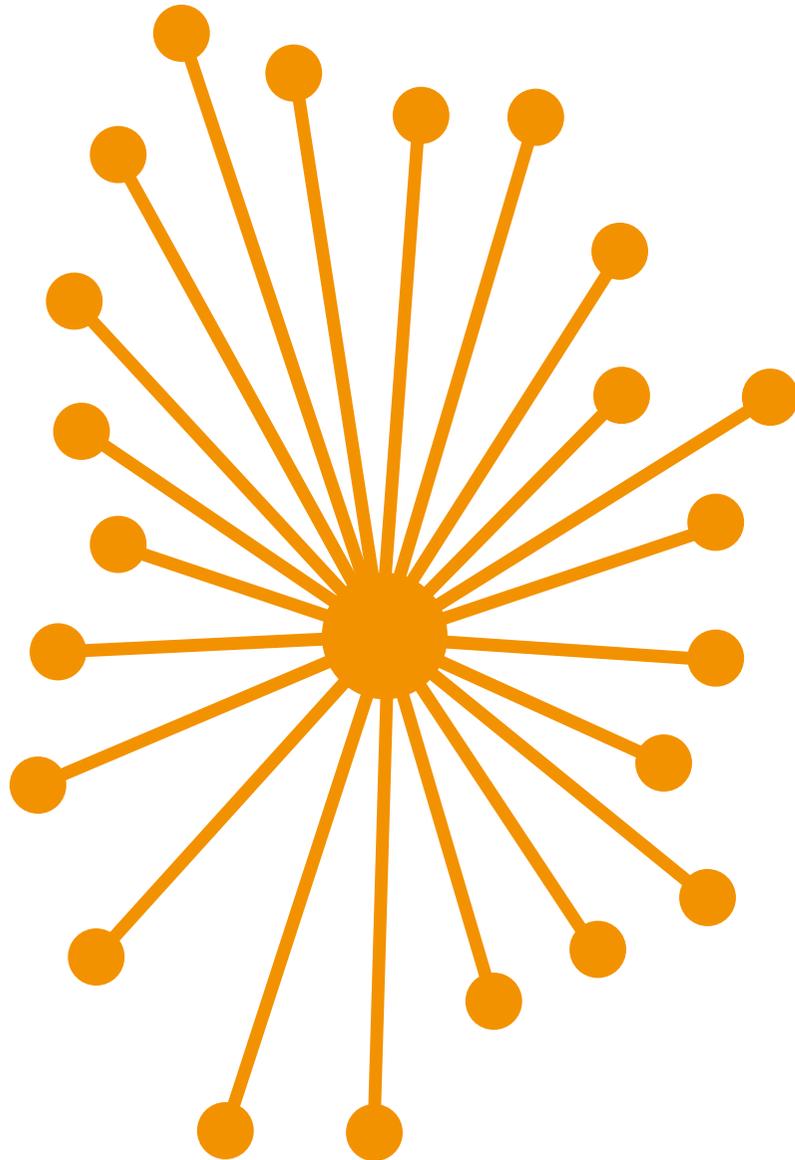


App for Android and iOS in February 2026

Control PRO II Hybrid Solution

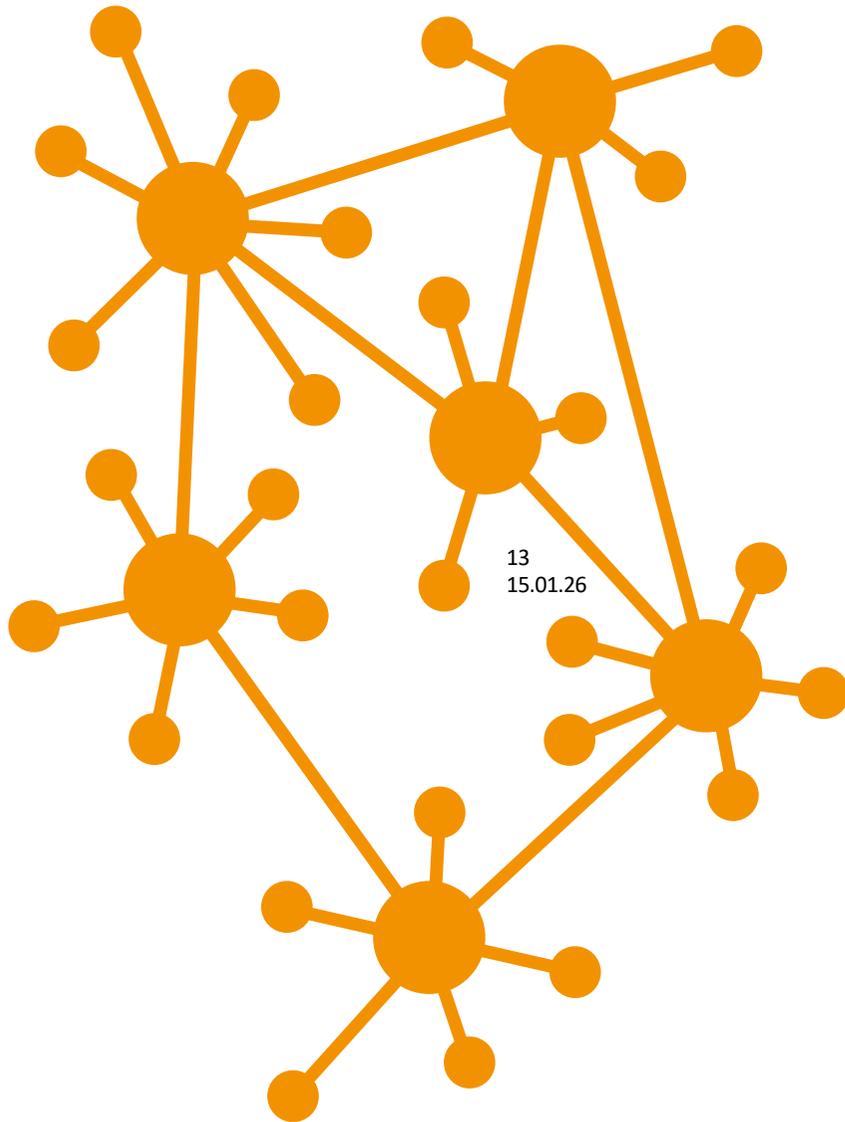


BLE Mesh Basics



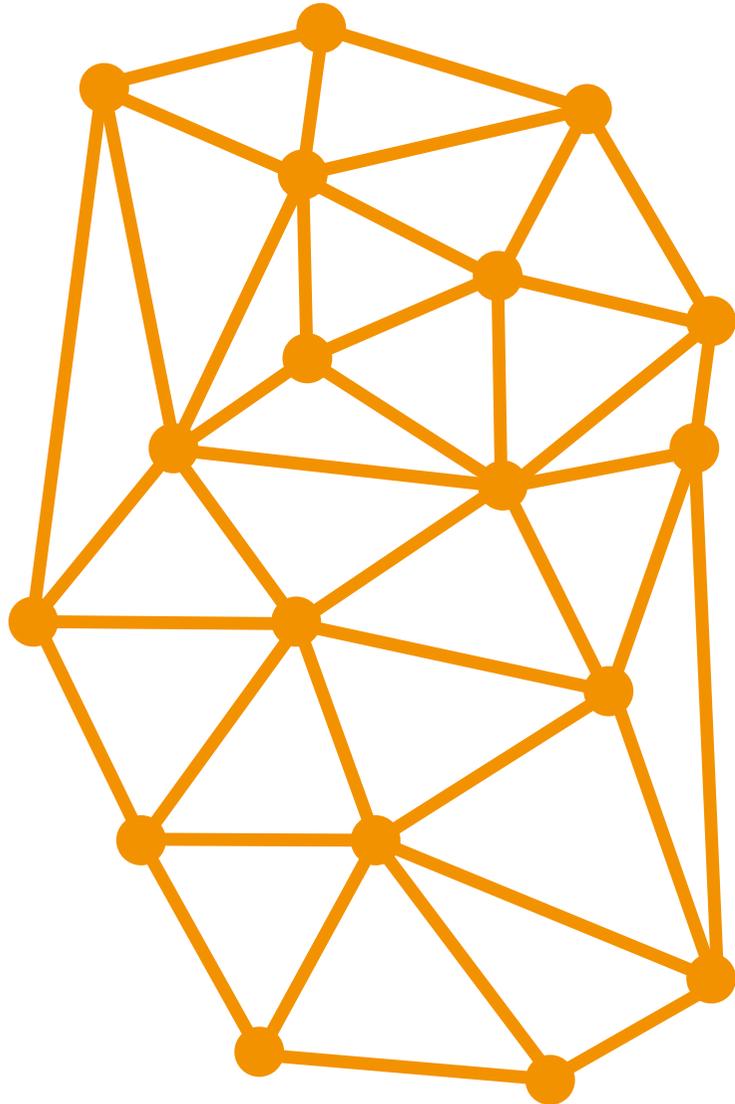
Centralised networks

"Centralised" networks enable a central device to communicate with many other devices. Due to their geometry, they are also referred to as "star systems". In a centralised system, the "intelligence" is located in the main device. Example: a DALI lighting management system with central control



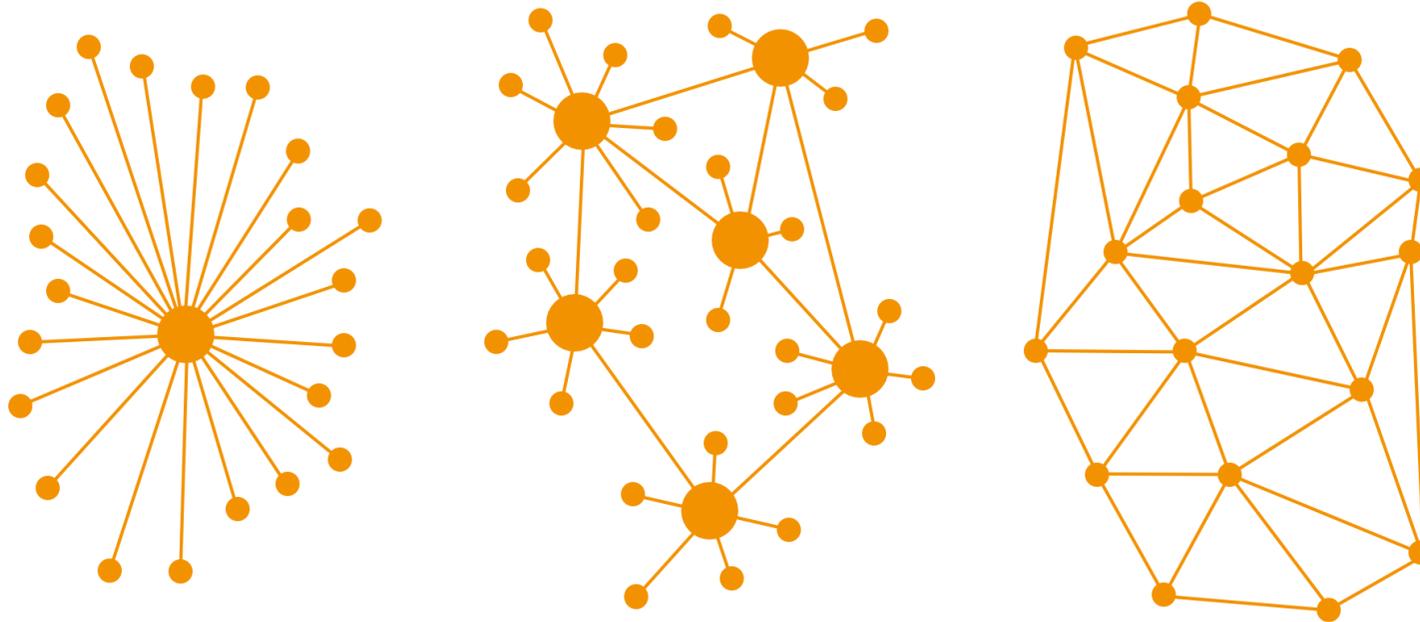
Decentralised networks

In a "decentralised" network, the central device or "intelligence" is divided into several or many devices, which are then connected to each other and communicate with the other devices.



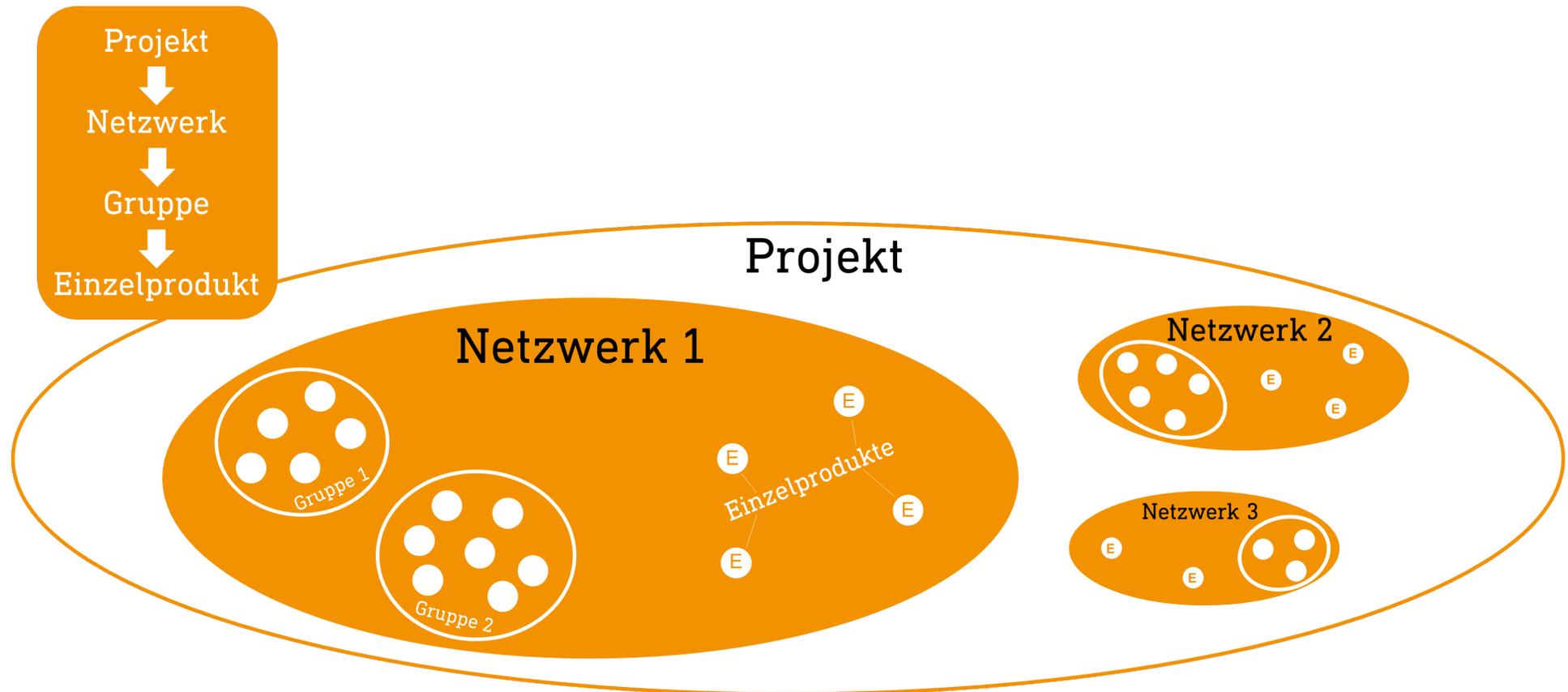
Distributed networks

A "distributed" network has no central devices. The "intelligence" is located in all devices. All devices have similar powers, are autonomous and "make their own decisions".



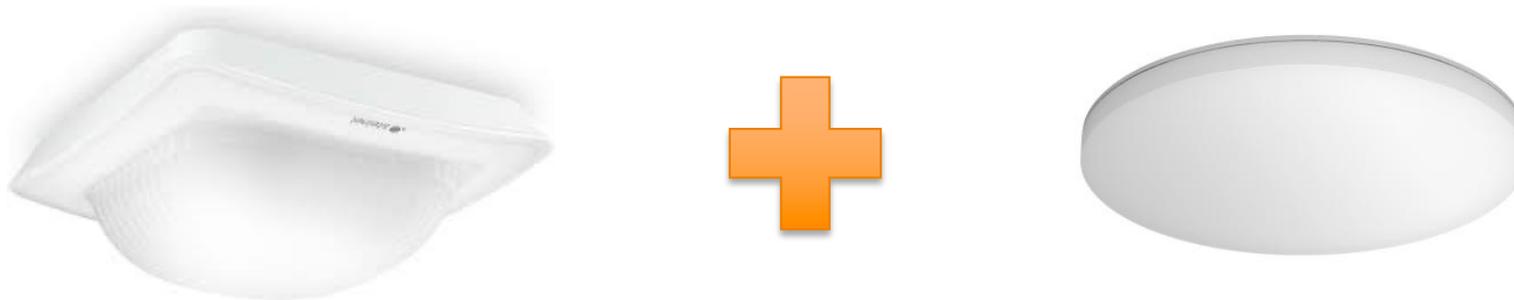
DALI system → DALI APC in mesh ← BT mesh

Structure of the APP



DALI-APC in groups or as a single product

When two become one...

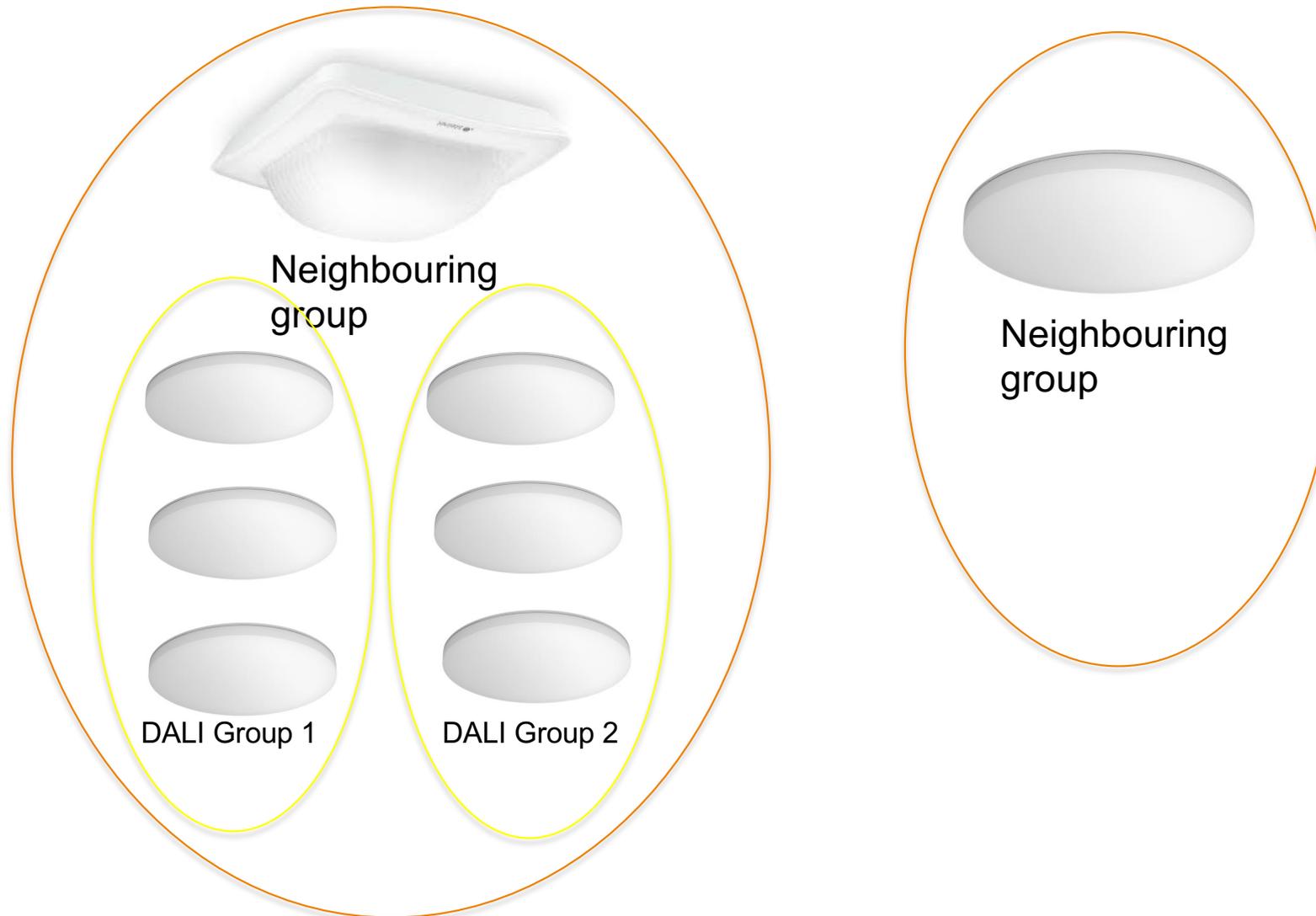


The luminaire is switched with channel 1 → same behaviour



Two APCs in a group behave in the same way → like folding doors, but permanently

DALI-APC as a neighbouring group



Application in the APP

