



BUILDINGS



# Design a scalable and service-ready infrastructure for Electric Vehicles

## eMobility solution for New Residential Buildings

“I want to provide an EV charging infrastructure which is compliant with local regulations, scalable, and service-ready for new residential buildings.”

EcoStruxure for eMobility is a solution ready for the sustainable and efficient buildings of the future. It offers multi-dwelling owners and tenants a user-friendly charging experience with optimized power supply and accurate consumption metering per user for allocation of costs. It is an open, standards-compliant, and service-ready solution.

### EVlink Pro AC

#### Connected EV charging station

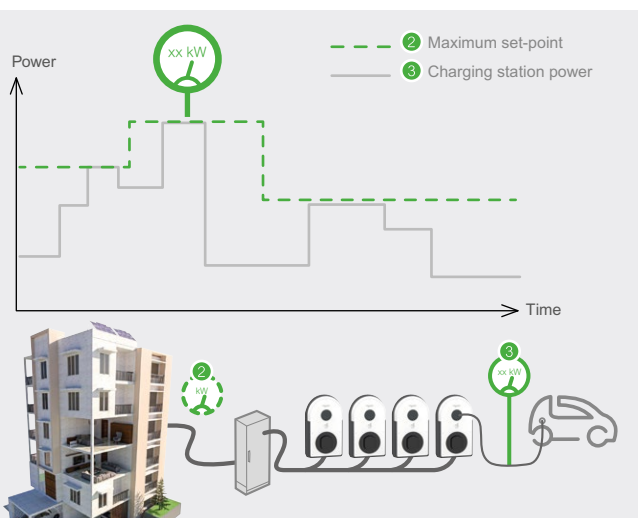
- Robust design that is rated IP55/IK10, for outdoor or indoor installations
- Embedded protection for power distribution (RCD ; iMNx)
- RFID/NFC reader for user authentication
- Standards-compliant:
  - Precision metering (MID meters)
  - Interoperability with supervisions (OCPP 1.6-J)
  - Extended EV compatibility (IEC 61851 Ed.3, ISO 15118 ready)



### EcoStruxure EV Charging Expert

#### Load Management System

- Distribution of available power for all charging stations
- Peak/off-peak hours EV charging management
- Monitoring and control of any EV charging stations based on open protocol (OCPP 1.6-J)



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► For home builders designing the EV infrastructure:

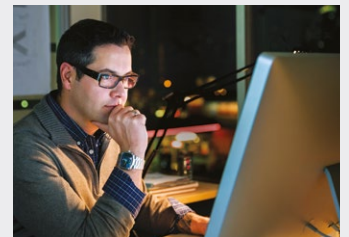
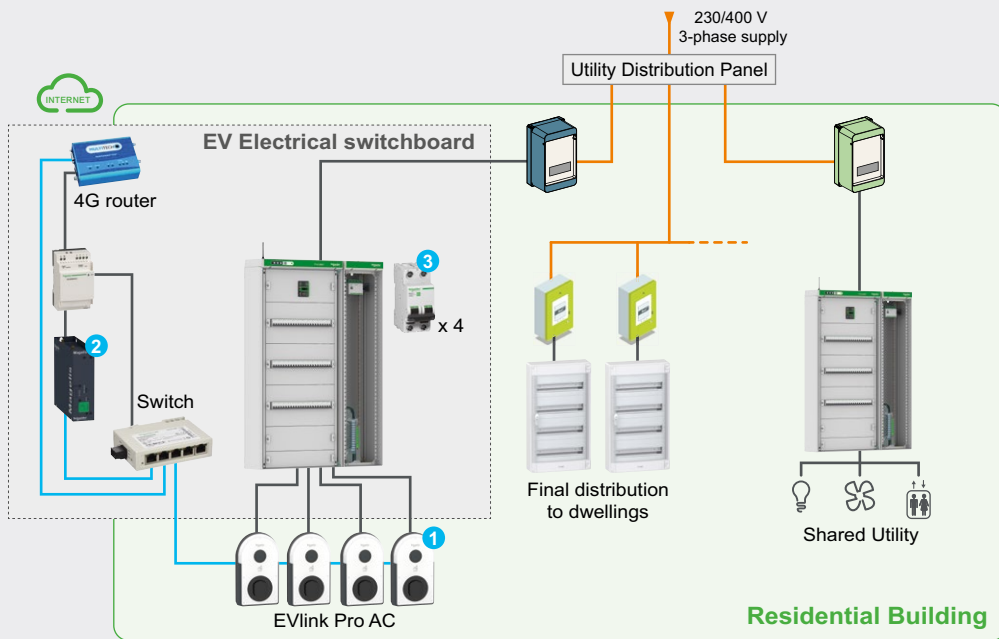
- Compliant with local regulations
- Scalable and flexible design
- Open and ready for operations
- Minimized property development costs



► For the electrical contractor installing and commissioning the EV infrastructure:

- Reduced installation time
- Guided commissioning for basic or larger infrastructure
- Schneider Electric Partner certification and training program

## New Residential Building Solution Ready for Operations



eMobility solution is open to Schneider Electric or third-party supervision.

- Private network
- Utility supply network
- Ethernet network
- 1 Charging stations: EVlink Pro AC
- 2 Load Management System: EcoStruxure EV Charging Expert
- 3 Short-circuit protections: Acti9 MCB 40 A (one per charging station)

## Key Products

Products used	
Charging station	Description
EVlink Pro AC with embedded protections and metering (RCD, MNx, MID Meters)	1 or 3 phases - T2/T2S sockets – with/without attached cable - 16 A/32 A - 7.4 kW/11 kW/22 kW
Load management system	Description
EcoStruxure EV Charging Expert	Load management system with local supervision
4G router / Switch	Network devices to provide independant 4G/3G internet access
Power distribution	Description
MCB	Miniature circuit breaker to protect circuits against short-circuits and overcurrent faults
PrismaSeT switchboard	Latest generation functional system or low-voltage switchboards

> For detailed information refer to the EcoStruxure for eMobility catalogue

[www.se.com/emobilitysolutions](http://www.se.com/emobilitysolutions)

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