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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eMobility solution for New Residential Buildings

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

Key Products

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

> For detailed information refer to the EcoStruxure for eMobility catalogue

www.se.com/emobilitysolutions

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