Add metering in existing switchboards for energy efficiency compliance

**PowerTag NSX - Wireless energy sensor on main incomer**
- U, I, V, P, Q, S values,
- active energy, partial and total, delivered and received values, class 1 accuracy,
- reactive energy, partial delivered and received values,
- wireless communication,
- voltage loss alarm,
- power factor,
- simple communication driver in Com’X 510.

**PowerTag Acti9 - Wireless energy sensors on head of groups**
- U, I, V, P values,
- active energy, partial and total values, class 1 accuracy,
- wireless communication,
- simple communication driver in Com’X 510.

**PowerTag Link - Wireless concentrator**
- concentrates up to 100 PowerTag sensors,
- Ethernet connection (Modbus TCP/IP),
- 230 V AC power supply, 54 mm wide.

**PowerTag Acti9 - Wireless energy sensors on outgoers**
- U, I, V, P values,
- active energy, partial and total values, class 1 accuracy,
- wireless communication,
- voltage loss alarm,
- simple communication driver in Com’X 510.

**Com’X 510 - Building energy server**
- plug & play configuration,
- energy dashboards for energy efficiency,
- monitoring and alarming,
- high connectivity (cloud, software, App, SMS, mail, time).

**Your need**
A metering solution with the smallest footprint, a low investment to match energy regulations and monitor main circuits.

**Our solution**
PowerTag NSX wireless energy sensor for main incomer monitoring. PowerTag Acti9 wireless energy sensors for <63 A, head of group and outgoers monitoring. Com’X 510 energy server with data-logging, embedded web pages and energy dashboards.

**Benefits**
- the right level of monitoring at the right place,
- class 1 energy measurement,
- wireless solution easy to install,
- smallest footprint, fitting in existing panels,
- standalone system with no additional software required,
- open system compatible with your BMS/EMS.
Installation

Main incomer meter:
• flexible Rogowski current transformers are easy to install anywhere,
• wireless communication with Com’X 510 simplifies the wiring,

Head of groups and outgoers meters:
• PowerTag Acti9 sensors can be installed with no space lost on the DIN rail,
• wireless communication with PowerTag Link simplifies the wiring.

Commissioning with EcoStruxure Power Commission (*)
EcoStruxure Power Commission is a free software to configure, test and commission your breakers, meters, PowerTag Link and PowerTag in a single interface. You can:
• add all communicating devices in a project,
• scan all PowerTag and associate to a PowerTag Link,
• configure electrical and communication settings,
• execute communication test and generate report,
• generate project report with all the settings.

Operation
• access to simple energy dashboards via a web server,
• instantaneous values and historical data available on web pages,
• possible data export to third party systems (FTP, email…),
• class 1 accuracy to identify precisely where to save energy.

Products used

<table>
<thead>
<tr>
<th>Product</th>
<th>Description</th>
<th>Cat. no</th>
</tr>
</thead>
<tbody>
<tr>
<td>Com’X 510</td>
<td>Energy server with data logging and dashboards</td>
<td>EBX510</td>
</tr>
<tr>
<td>PowerTag Link</td>
<td>Ethernet concentrator up to 20 or 100 wireless devices</td>
<td>A9XMWD20 / A9XMWD100</td>
</tr>
<tr>
<td>PowerTag Acti9 M63</td>
<td>Energy sensor 63 A - 3P/4P</td>
<td>A9MEM154</td>
</tr>
<tr>
<td>PowerTag Acti9 M63</td>
<td>Energy sensor 63 A - 1P/2P</td>
<td>A9MEM152</td>
</tr>
<tr>
<td>PowerTag NSX</td>
<td>Energy sensor 250 A - 3P/3P+N</td>
<td>LV434020/21</td>
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<tr>
<td>PowerTag NSX</td>
<td>Energy sensor 630 A - 3P/3P+N</td>
<td>LV434022/23</td>
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</table>

(*) new name of Ecoreach software

More about PowerTag