



## Application notes



**Application Note : December 2019**

**Market involved : Conventional energy**

**Product : EM24 W1**

**Customer : Building managers, energy managers**

**Subject : Fiscal sub-metering in shopping centres**

### CUSTOMER ISSUE :

The building manager of a shopping centre needs to allocate the energy costs to the different shops, in order to bill them according to their actual consumption.

If this building is not a new construction, it's not possible to put in place a wired system for technical or economic reasons, so a wireless solution is needed.

### OUR SOLUTION :

The EM24 W1 is a DIN rail energy meter with embedded wireless M-Bus communication, the only one on the market today.

Thanks to the wireless technology, and the use of any OMS compatible master available on the market, data can be easily integrated in the existing building management system, providing data for cost allocation and sub-billing.

The MID certification guarantees the reliability and accuracy of data for fiscal metering.

### BENEFITS :

- Plug and play installation and commissioning
- Suited also for retrofit applications, in existing buildings where wiring is not possible
- The external antenna enhances the reliability of the signal in the case of concrete walls or metallic cabinets
- The embedded data encryption guarantees data to be read only by authorized people
- MID certification for fiscal metering