

V3.1

i The information below enables us to plan for sending the hardware and plan the installation in the best conditions. Please send this form to support@smart-impulse.com along with the single-line diagrams of the switchboard (if available). **Required fields** are marked with a *. Thank you !

⚡ ANALYSED SWITCHBOARD*

One form per measured network
(Main/2ndary switchboards, ...)

Site name *

Name of the room of the switchboard

📶 MEASUREMENT – SMART X®



LOW-VOLTAGE MAINS

Number of low-voltage transformers *

Coupled? (if multiple transformers) *

Conductors type*

Number of conductors per phase

Distance to the main Smart X

Low power circuit
(max 120 A/80 kW, Φ cable/phase < 16 mm)



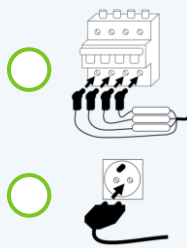
If possible, please join to this form:

- a high-quality photograph of the electrical panel in wide shot
- a photograph of the mains incomers (cables or busbars)
- a photograph of the circuits to be measured (Smart X as sub-meters)



SMART X® - MAINS

Voltage connection on *



Four-pole circuit breaker
(by default, for optimal accuracy)

Power socket
if no circuit breaker available
(unmeasured voltages will then be estimated)

Multi-sensor kit for 2 or 3 measuring points

SMART X® - SUBMETERING

Name of the measured circuit*

Low power circuit
(max 120 A/80 kW, Φ cable/phase < 16 mm)



Presence of an isolation transformer *



CAPACITOR BANKS

Number of circuit breakers *

Number of conductors per phase

Distance to the main Smart X



DOWNSTREAM POWER PRODUCTION *

Number of injection points *

Number of conductors per phase

Distance to the main Smart X

* Ex: Photovoltaic panels. Excluding stand-by generators.

📶 COMMUNICATION – SMART ROUTER



Number of power plugs in the room for router power * (0: contact Smart Impulse; 1: a multi-socket adaptor is necessary)

LAN COMMUNICATION

Presence of a RJ45 plug in the room *

DHCP *

Static IP * IP adress *

Subnet mask *

Gateway *

Primary DNS *

Secondary DNS *

3G/4G COMMUNICATION

Sufficient 3G/4G coverage? *

Otherwise, distance to the nearest spot with sufficient 3G/4G coverage *



LAN: Prior to installation, please prepare an Ethernet cable of a sufficient length and check with your IT department that the outbound connection from the Smart Router to our server is authorised:

- ICMP protocol towards 8.8.8.8 (ping), DNS
- TCP protocol towards 178.33.106.9 port 80 (HTTP)
- UDP protocol towards time.google.com port 123 (NTP)