

# Introducing ultimate solution for smart grid

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## BENEFITS

- **Smart Sensor:** sensor + detector + data analysis + data trending + alerts embedded
- **Easy installation** (no expertise required)
- **Fully automatic alerts** (thanks to Techimp patented acquisition and processing features)
- **Compact** dimensions
- Direct connection to **SCADA system**
- **Self-diagnosis**
- **Easy soft**, software for automatic testing and reporting: **NO SKILL NEEDED!**



## SMART SENSORGRID - NG

Smart Sensorgrid - NG is a partial discharge detector belonging to the smart sensor family devised for on-line monitoring of diagnostic quantities in electrical assets. It supports any kind of sensors and it provides traffic-light alerts to SCADA systems / asset and maintenance service.

Smart Sensorgrid - NG is a state-of-art PD analyzer, exploiting the TECHIMP T-F Map technology (patented). Such feature allows noise rejection and automatic alarm warning based on amplitude and repetition rate trend relevant to statistical parameters.



HVAC  
CABLE

MVAC  
CABLE

HVDC  
CABLE

MOTOR

GENERA  
TOR

PWM  
VSD

GIS  
GIL  
GIB

SWITCH  
BOARDS

OUTDO  
OR  
INSULA  
TOR

HV  
TRAFO

MV  
TRAFO

TA/TV

ON LINE  
TESTS  
OFF LINE  
TESTS

# TECHIMP



## PD FAMILY

Techimp solutions for partial discharge on line diagnostics of electrical systems allow effective Condition Based Maintenance practice and Risk Assessment to be achieved, through innovative technologies for noise rejection and PD source identification.