

## Reduce Risk of Electrical Fires Due to Poor Connections in Medium Voltage Equipment

### Continuous Thermal Monitoring in Non Critical Applications

“I want to detect electrical overheating in my MV facility due to poor connections that can result in a fire”

Continuous Thermal Monitoring solution helps to detect faulty power connections, monitor temperatures and send alerts in case of electrical overheating. This is a more cost-effective solution compared to manual infrared thermographic surveys over the entire lifespan of electrical equipment.

#### Early Detection of Loose Connections

- Monitor temperature of MV busbar, cable, transformer and withdrawable circuit breaker connections.
- Detect temperature deviations from normal operating conditions before they result in equipment issue.

#### Continuous and Provident Thermal Status Monitoring

- Enable easy reporting of the thermal status of the electrical installation.
- Raise pre-alarm and alarm in the event of an abnormal rise in temperature.

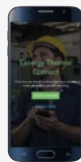
#### Nearby Apps for Periodic Inspections

##### Easergy Thermal Connect

##### Condition monitoring and data display

For each electrical connection with Easergy TH110 thermal sensors:

- Connection point temperature
- Connection point status with color indication (green/yellow/red)
- Phase temperature discrepancy



##### Save/Send temperature information

- Save/Export on XML format
- Send by eMail
- Stored on Schneider Electric Cloud



##### Customer Care support in app

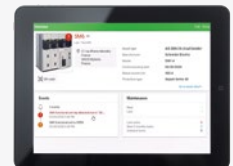
#### Remote and Continuous Monitoring

##### EcoStruxure™ Facility Expert

##### Live data

For each electrical connection:

- Connection point temperature (SM6 cubicle and trial transformer)
- Phase temperature discrepancy



##### Advanced alarms and trends

- Absolute temperature threshold limit
- Excessive deviation between phase temperatures
- Trending to analyze long-term temperature evolution

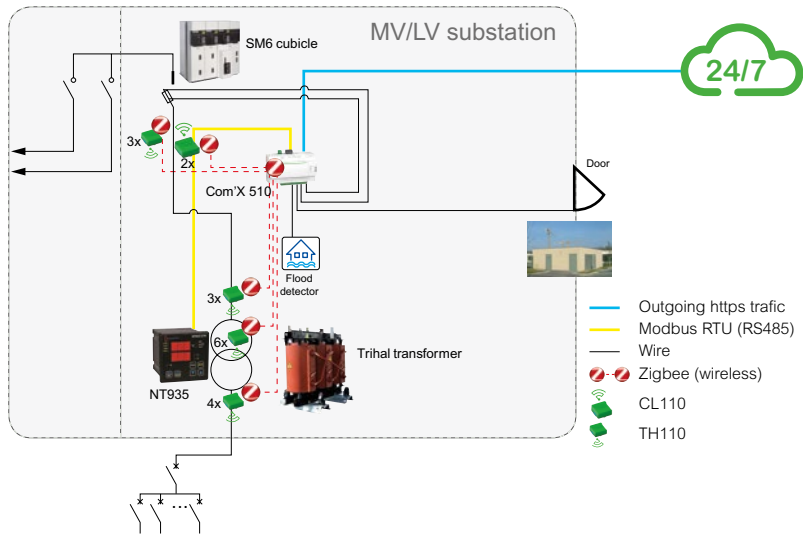


##### 24/7 notifications on mobile devices

with EcoStruxure™ Facility Expert-Operations

# EcoStruxure™ Power Solution

## Implementation for Medium Voltage






EcoStruxure™ Facility Expert  
(Cloud-based Software and App)



Connection temperature monitoring  
with TH110 (Wireless)

Architecture for Remote and Continuous Thermal Monitoring

## Key Products

Products		
Sensors	Function	Reference
Easergy TH110 	Wireless temperature sensor	Native in SM6 cubicle otherwise contact Schneider Electric Services
Communication Devices	Function	Reference
Dongle for smart devices 	Dongle Zigbee for Android smartphone	Delivered with SM6 cubicle REL52867
Enerlin'X Com'X 510 	Energy servers and data loggers Embedded energy management software Data publisher	EBX510

## Cloud-based Software and Apps

Offers		
Cloud-based	Continuous Remote Monitoring for Asset Management	Software
EcoStruxure™ Facility Expert	Full web app available on laptop, smartphone and tablet for asset management: alarms, temperature monitoring, trends...	Facility Expert - Operations Subscription
	Free App for asset maintenance: digital logbook features	Facility Expert Free
Nearby	Operational Efficiency for Periodic Inspections	Software
Easergy Thermal Connect	Local data collection for TH110 thermal sensors	Free

### EcoStruxure™ Facility Expert

Android iOS



### Easergy Thermal Connect

Android



[se.com/ww/ecostruxure-power](http://se.com/ww/ecostruxure-power)

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