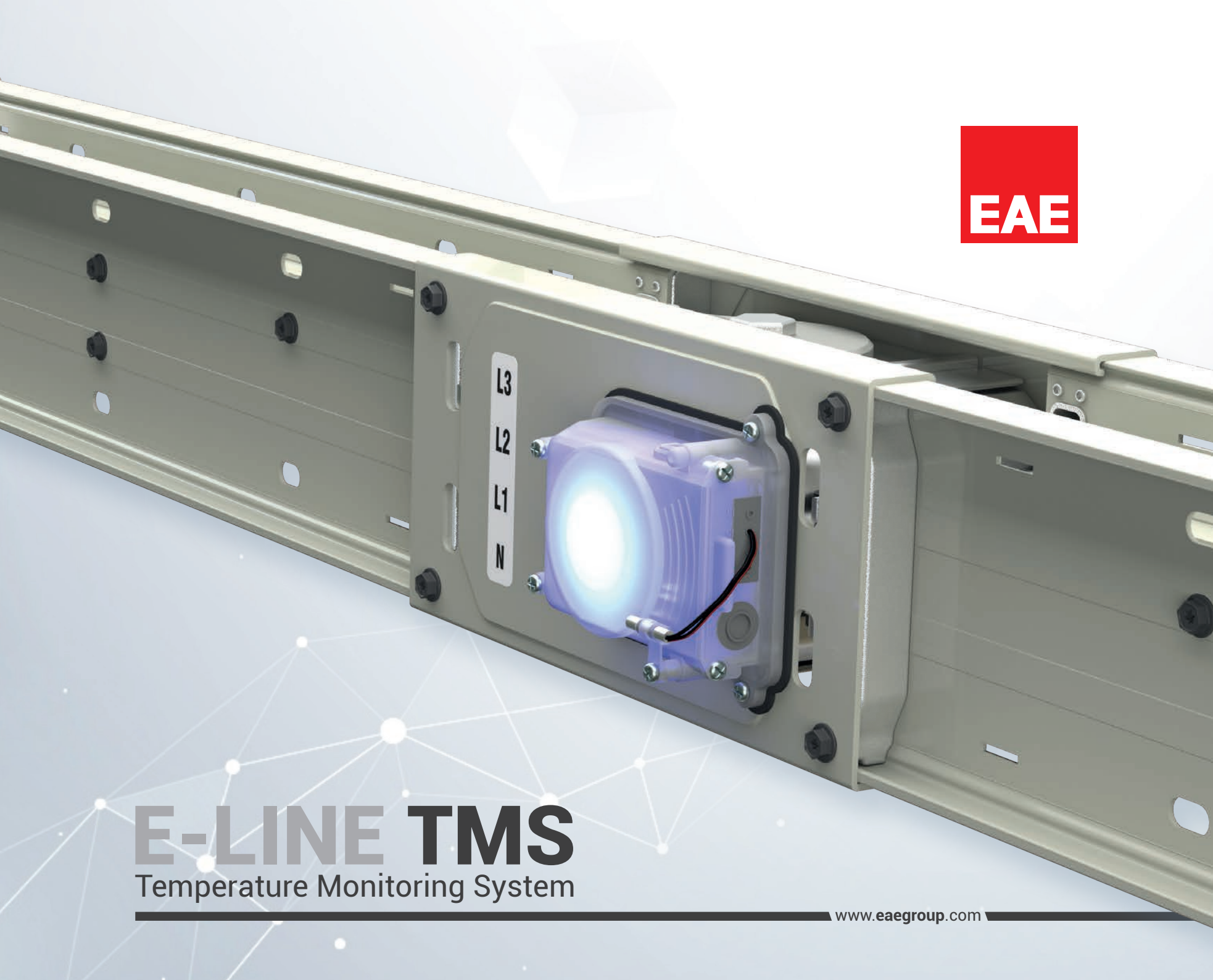


E-LINE TMS

Temperature Monitoring System

www.eaegroup.com

Temperature Monitoring System

Why You Need It

Power Outages are a major concern of the industrial businesses

Faulty power connections may lead to electrical failures resulting;

- Unscheduled downtime
- Switchgear destructions
- Operator injuries
- Fire

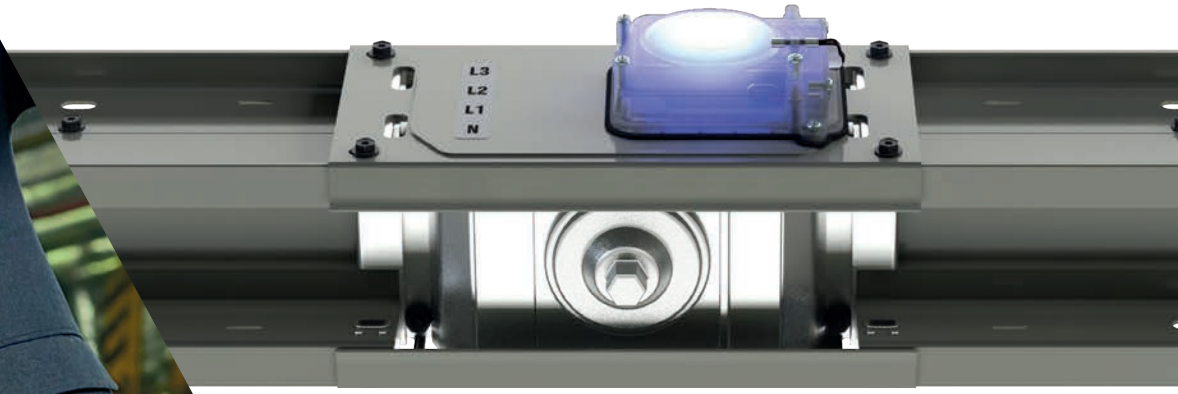
Meet our unique solution "E-Line TMS" that gives you full visibility of your LV Power Distribution System

- Monitors temperature in real time from busbar conductors
- Detects abnormal heating patterns through its predictive algorithm
- Alarms immediately

Hereby, E-Line TMS helps you

- Prevent major electrical failures
- Reduce unscheduled down time
- Accelerate recovery
- Optimize maintenance

Providing you peace of mind



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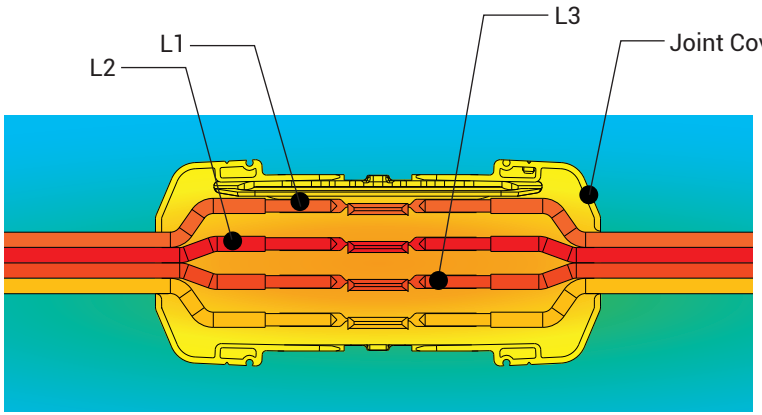
Temperature Monitoring System

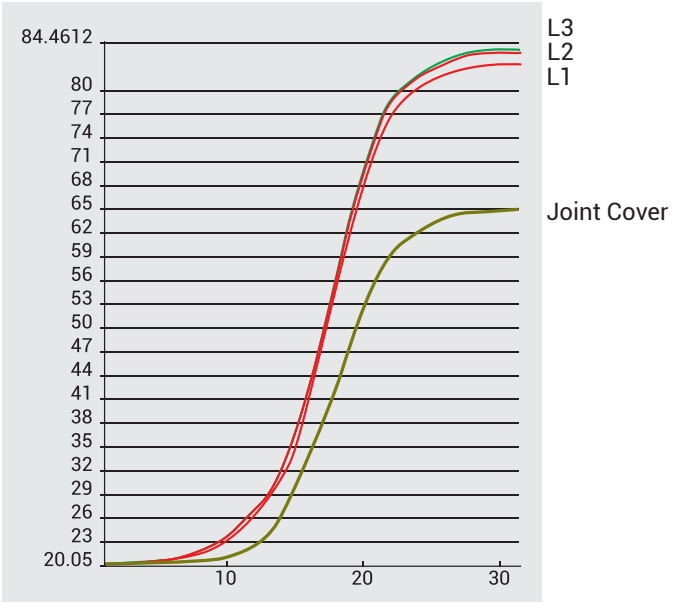
Solution Requirements

Defining the point of measurement



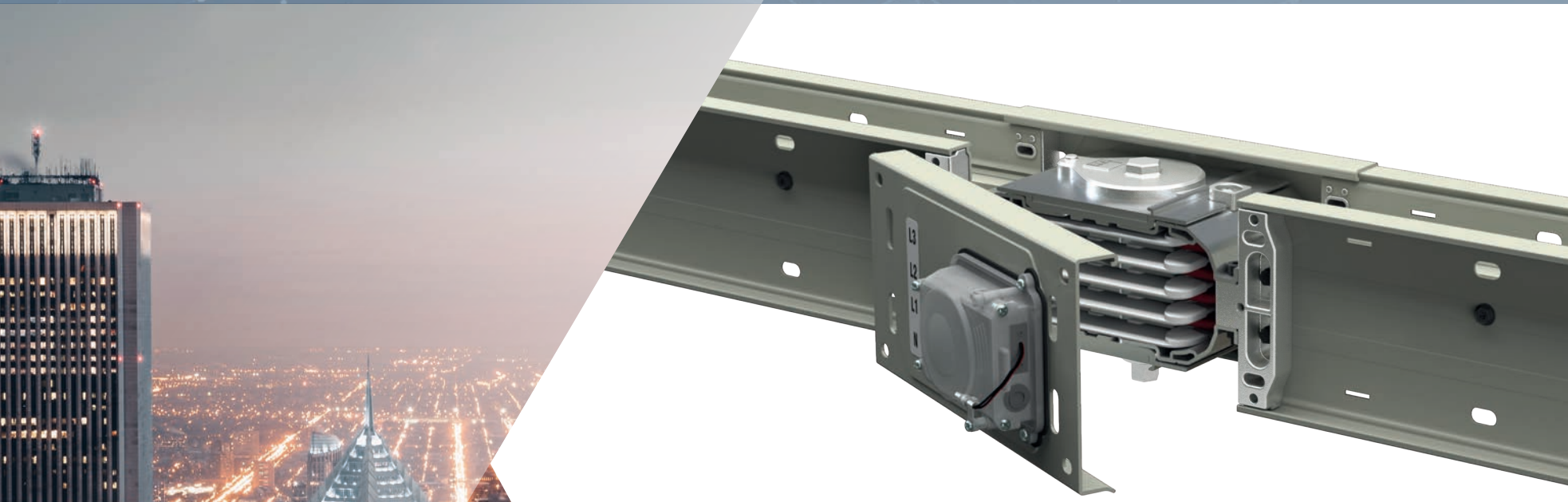
Housing (Joint Cover) Monitoring is not sufficient

- Temperature measurements on the Housing (Joint cover) leads to inaccurate and lagged parameter monitoring.
- Monitoring the temperature of the conductor bars enables instant readings at the source.



Temperature Monitoring System

System Features



E-Line TMS Main Features:

- EAE E-Line temperature sensor directly monitoring the conductor of busbars joints and housing
- Embedded prediction algorithm, detecting potential busbar fault risks
- Built-in ambient temperature sensor, monitoring environmental temperature
- Customizable auxilliary sensor, monitoring housing temperature anywhere along side the busbar

°C

Accurate and real time conductor monitoring

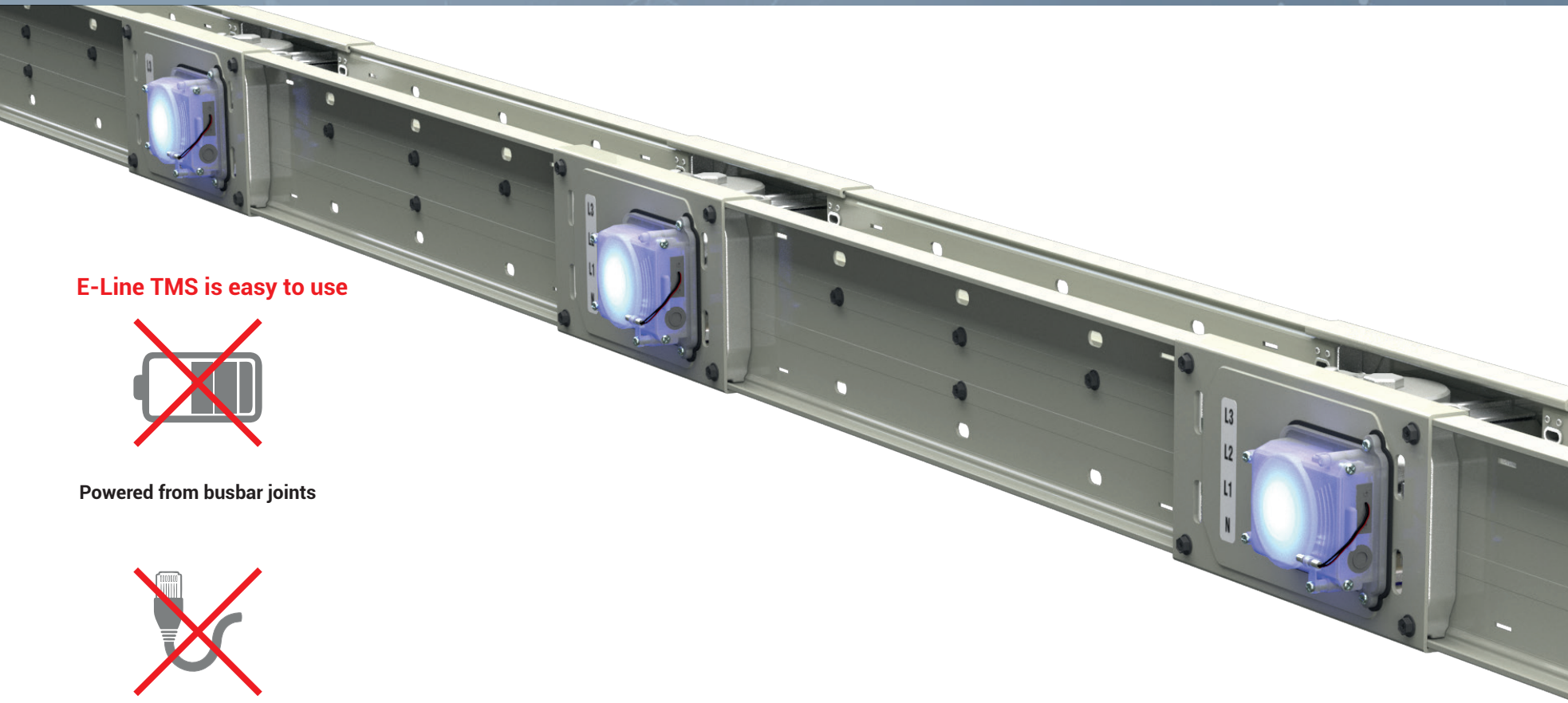
Powerful prediction algorithm

No need for IR Windows and IR CAMs, No maintanence planning

EAE

Temperature Monitoring System

System Features



E-Line TMS is easy to use

Powered from busbar joints

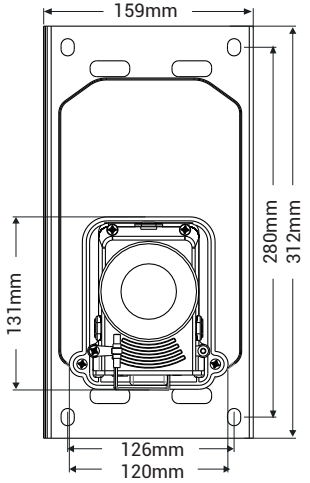
Wireless data transfer

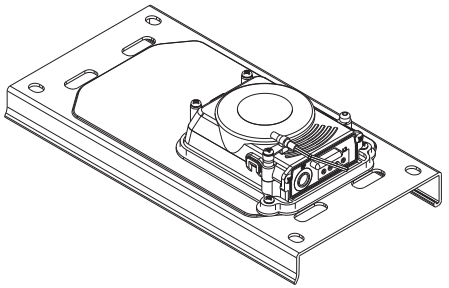
Maintenance free

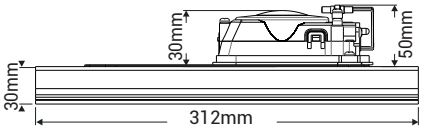
Temperature Monitoring System

Technical Specifications

Type of protection	IP 54	IEC 60529
Safety class	II	IEC 61140
CE	in accordance with EMC and low voltage directives	
Installation	Mounted on busbar joint cover	
Dimensions	(l x w x h) 131 x 120 x 50 mm	
Weight	68 g	
Mains supply	Voltage and power consumption	165 - 300V AC @50Hz < 2W
Connections	Auxiliary temperature probe input	
Operating elements	RGB status LED	
Operating humidity	up to 95% non-condensing	
Operating temperature	20°C to 80°C	
Temperature Sensor	Measurement range	Busbar conductor: -20°C to 350°C Ambient & auxiliary: -20°C to 110°C
	Measurement accuracy	Busbar conductor: ± 3°C Ambient & auxiliary: ± 1°C



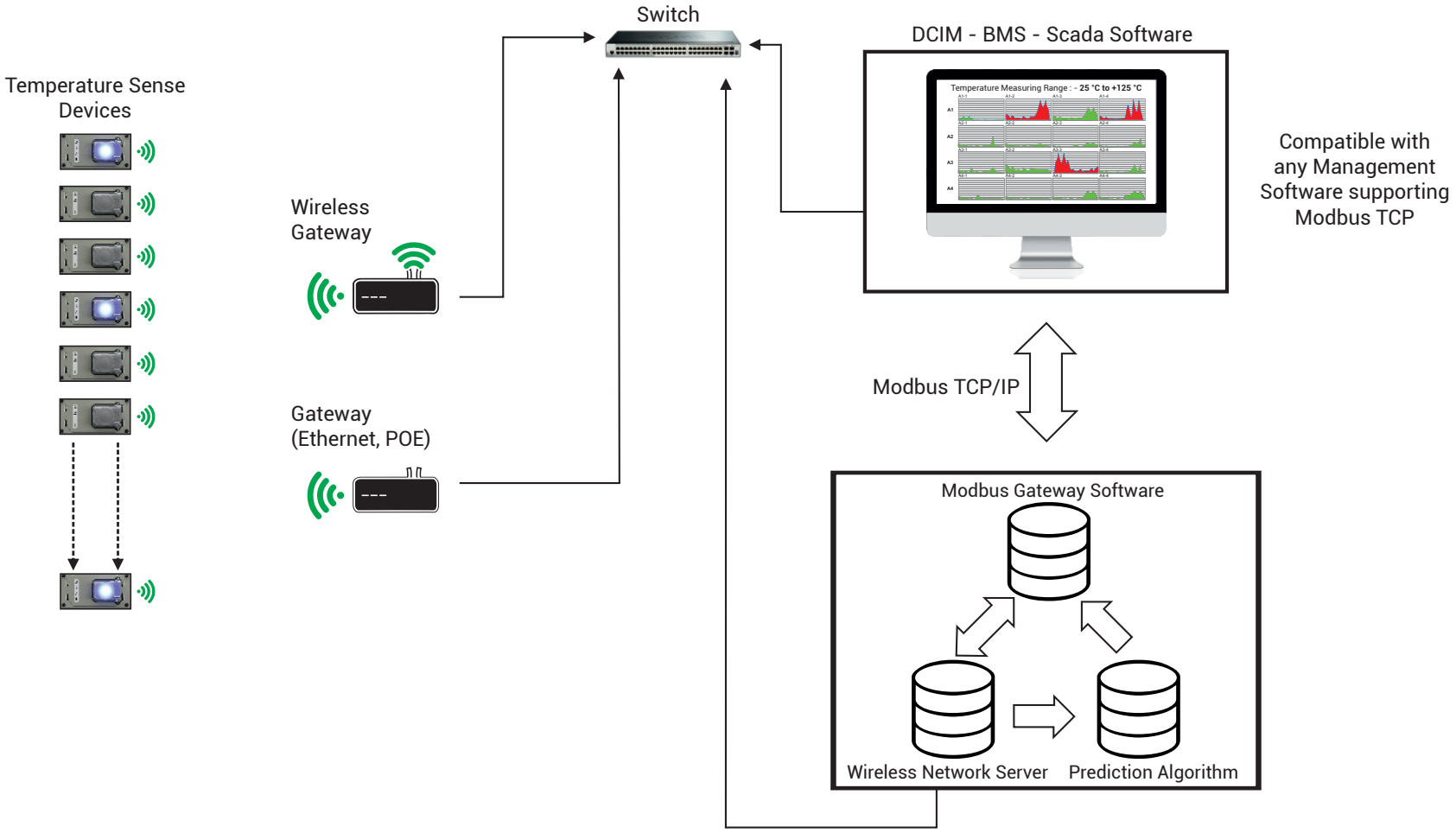





A 3
B 3
A 4
B 4
EXIT

Temperature Monitoring System

System Topology



Temperature Monitoring System

Application Areas

Data Centers

Railway Industry

Airline Industry

Industrial Facilites

Hospitals

Commercial Buildings

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