

REFERENCE

Operating in Kőbánya-Kispest railway station as part of European Traffic Corridor

Interfacing Integra D70 with ETCS2
(cooperation with Thales)

Station properties:

- near 100 interlocking elements
- junction of 4 railway lines
- 10 side tracks

Specification:

- 500W Power Consumption
- 48V DC supply voltage
- 10mA relay clean current
- 500ms response time

OTHER APPLICATION POSSIBILITIES

- CTC
- CTS

Prolan Group is a specialist of automation solutions in the field of railways and utilities (established in 1990 and located in Budakalász, Hungary).

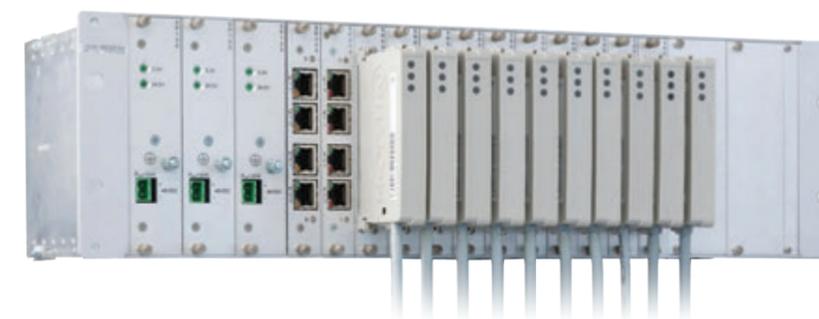
We employ over 230 people, most of them are engineers.

Our proprietary product portfolio is developed (both software and hardware) and manufactured by us (in Prolan Electronic Manufacturing Co, Budapest), upon customers' demand we may also take care of installation and maintenance services.

Prolan Group is trusted partner of MÁV Hungarian Railways, Raaberbahn (GYSEV) and had successfully commissioned projects in the EU, Turkey and Russia.

PROSIGMA

Interlocking system extension for ETCS, CTC & CTS



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*Tailored
for your needs*

Introducing ETCS helps to standardize railway traffic. Replacing relay based interlocking systems is expensive.

PROSIGMA offers a cost effective ultimate solution to connect relay based interlocking systems to ETCS, fulfilling requirements of CENELEC standard families up to SIL4.

PROSIGMA

SCALABLE

size
network
cost



MODULAR

easy & fast design
flexible topology
easy maintenance



SMART

compact design
distributed signal processing
supports various objects

PROSIGMA modules are built in our own factory, where our experience of manufacturing nuclear power plant components contributes to fulfill the highest safety requirements.

RAILWAY SPECIFIC PROPERTIES

Compatible with relay based interlocking systems

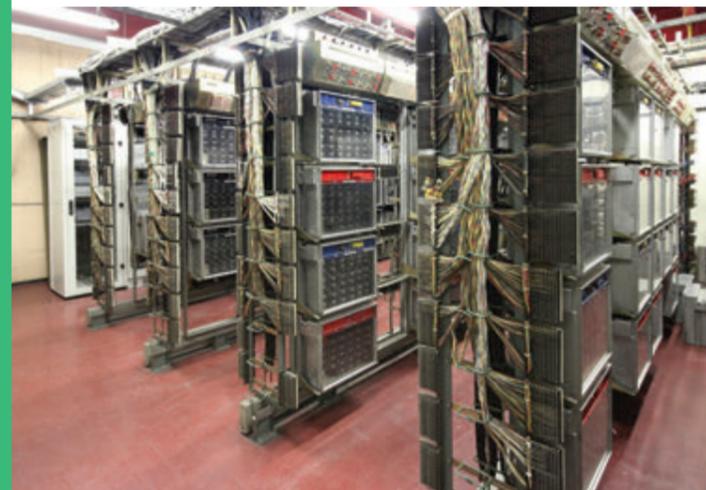
Based on 20 years of experience in railway specific solutions

Certified relay data acquisition method

EN 50126 family compliant design

No dedicated network and no additional air condition needed

Railway object based design approach



SUPPLIER SPECIFIC PROPERTIES

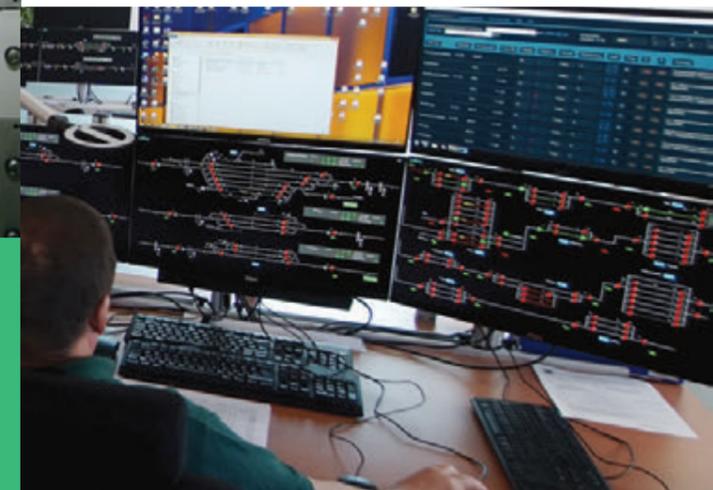
Supports protocols:
- x25oIP
- Sahara

Abstracts the underlying interlocking system logic

Guarantees the correct order of interlocking system messages

No additional power supply is needed

Offers flexible customization and support options



RELAY BASED
INTERLOCKING SYSTEM



PROSIGMA



RBC