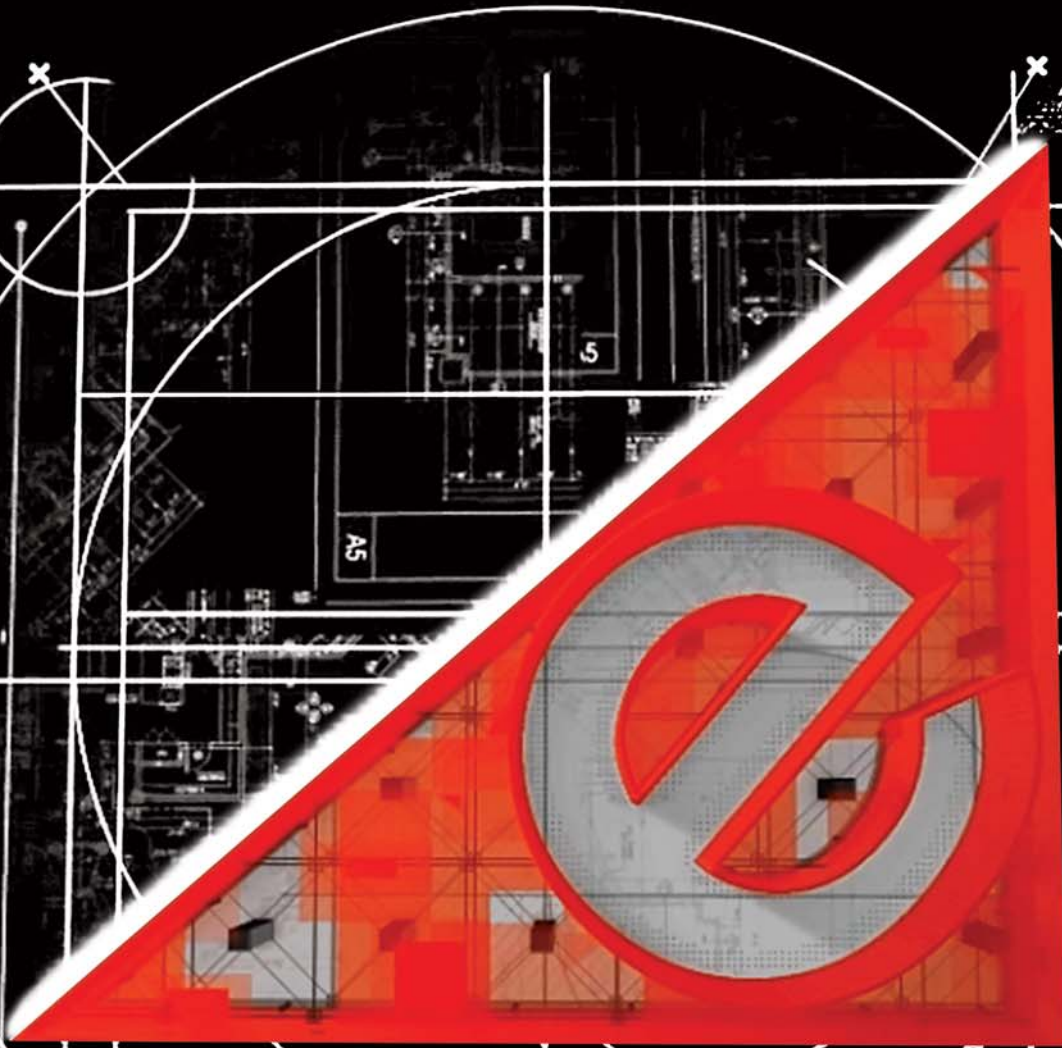




# ermisIXL

electronic railway modular interlocking system





## General Description

**ermisIXL** is the product of **ermis family**, which is designed, developed and manufactured to control railway traffic. Due to its low space requirements and its modularity and expandability, it is very easily modified and upgraded.

## Main Features

Based on:

- ✓ safety PLC technology
- ✓ SIL 4 track interface layer
- ✓ railway certified network

ensures the highest safety integrity level

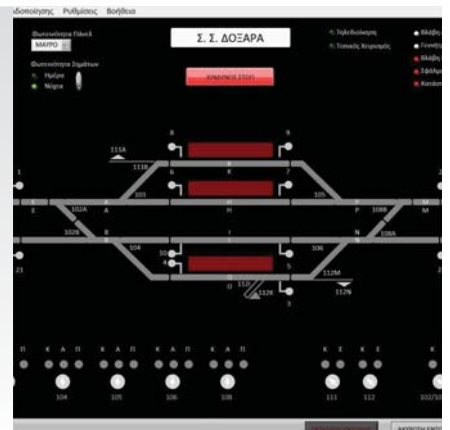


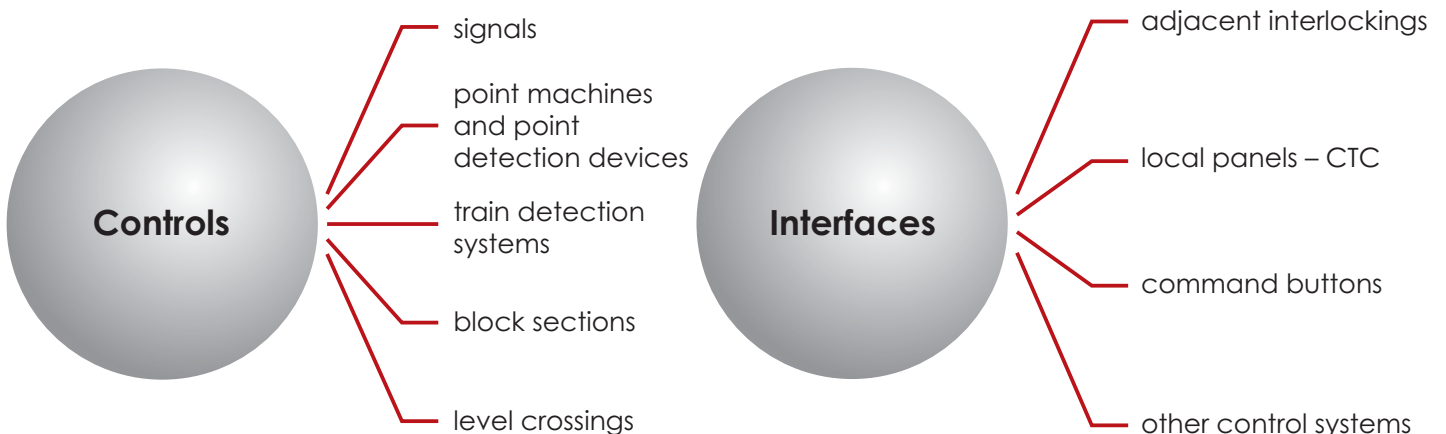
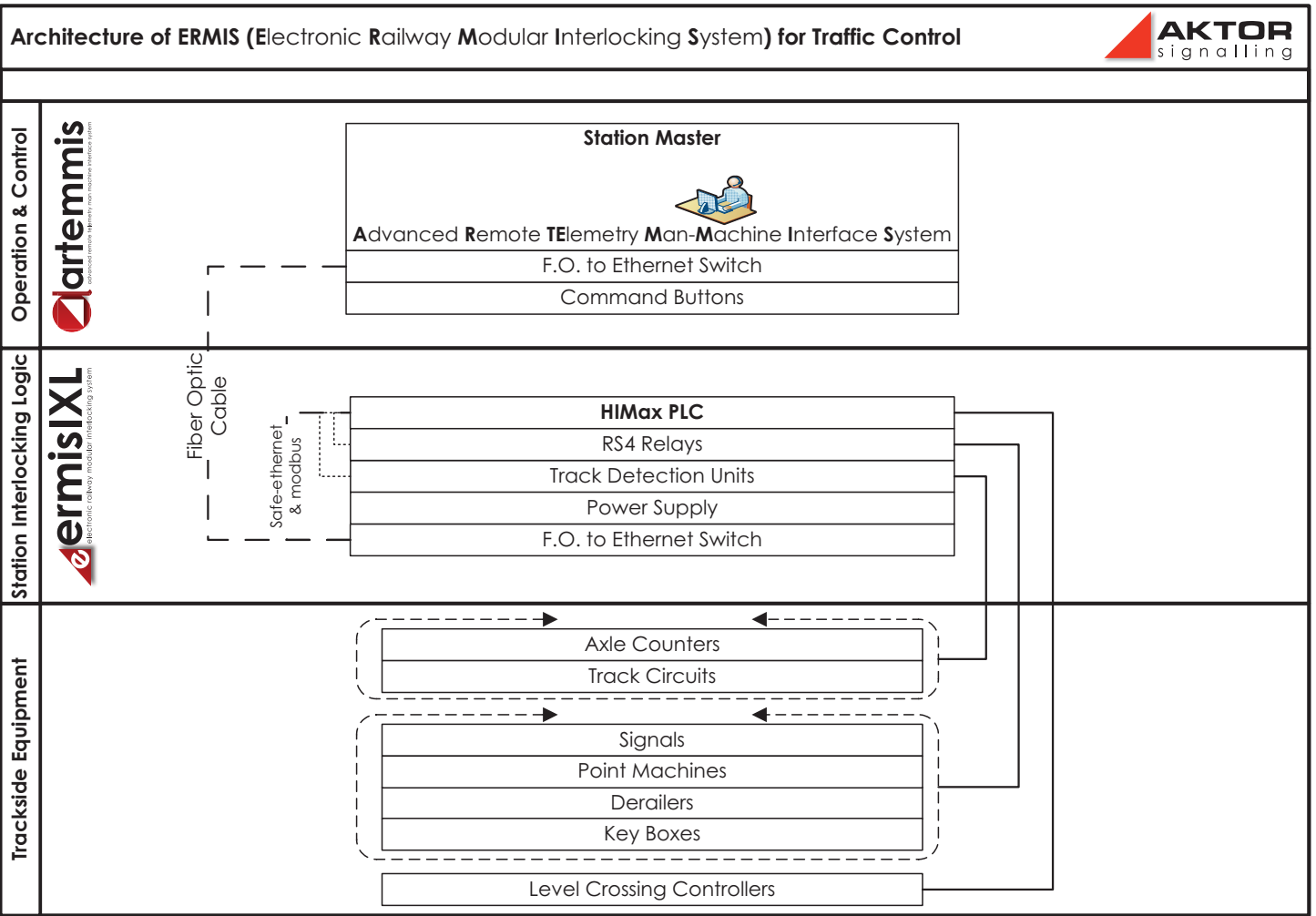
## Highlights

Easily adapted to any existing infrastructure and trackside equipment and fully compatible with various technologies and open source products, **ermisIXL** is the ideal solution for new and existing lines.

## Functions

- ✓ route setting and cancelling
- ✓ auto and individual point moving
- ✓ train operated route release
- ✓ signal aspect downgrading in case of lamp failure
- ✓ management of level crossings and block sections
  - ✓ data base recorder
- ✓ fully customized remote diagnostic information to any device according to end user needs  
...and many more functions



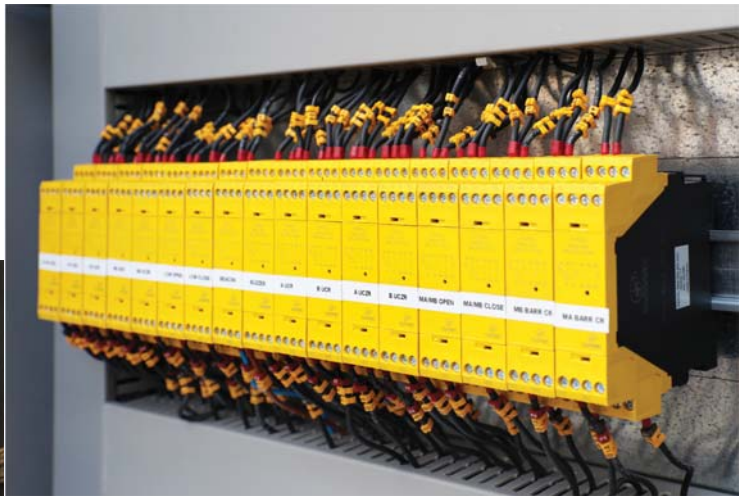


**Programmed by:**  
Silworx SIL4 programming tool for vital and non vital functions

**Connected via:**  
ethernet networks or/and wireless communication infrastructure

## SIL4 Track Interface Layer

ermisIXL system provides a failsafe interface with the trackside equipment due to the usage of the RS4 relays which are SIL4 certified. This ensures maximum safety and reliability as well as minimum modification of existing trackside objects.



## Easy and Fast Upgrading

The usage of the graphical environment of SILworX software for programming and configuration of **ermisIXL**, enables the fast reengineering in case of modifications or upgrading and the adapting of the system to the new requirements immediately.

## ermisIXL Running Projects

<b>Type of application</b>	Signalling and Interlocking (main line)	Signalling and Interlocking (regional line)	Signalling and Interlocking (main line)
<b>Location</b>	R.S. Athens	Depot Area A.I. Rentis	Central Greece Network (40 km length)
<b>Project data</b>	route control and command by using existing trackside equipment	shunting movements control and command with Level Crossing integration	block section control with CTC interface