



**RM**  
rail-mil.eu

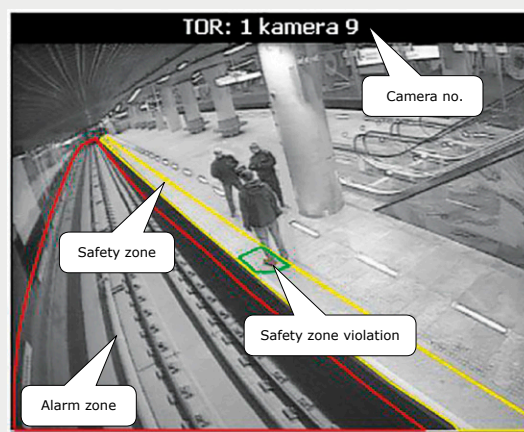
# rmSDO

## SYSTEM FOR OBJECT DETECTION IN THE DANGER ZONE



# rmSDO

## System for Object Detection in the Danger Zone



**rmSDO** was developed based on the **RAIL-MIL** modules. The basic task of the system is to detect dangerous situations such as the approach of a person to the edge of the platform and their fall on the tracks.

**The rmSDO** system is limited to the installation area. Other supervised areas do not require interactions. Operator consoles and service consoles can cover many objects.

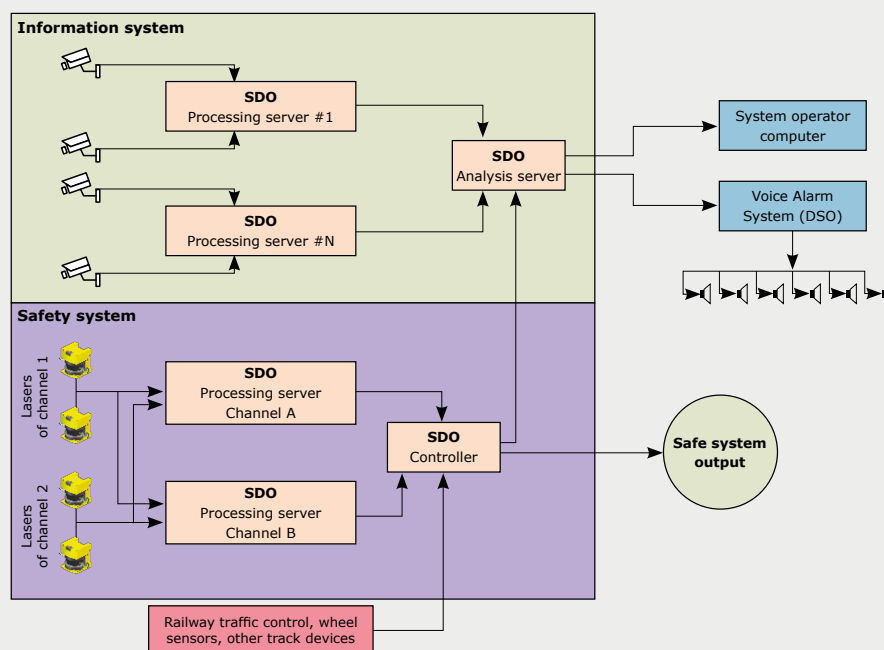
**The rmSDO** system is fully autonomous; Any information that is presented to the Operator is intended to facilitate their work.

### INTEGRATION WITH OTHER SYSTEMS

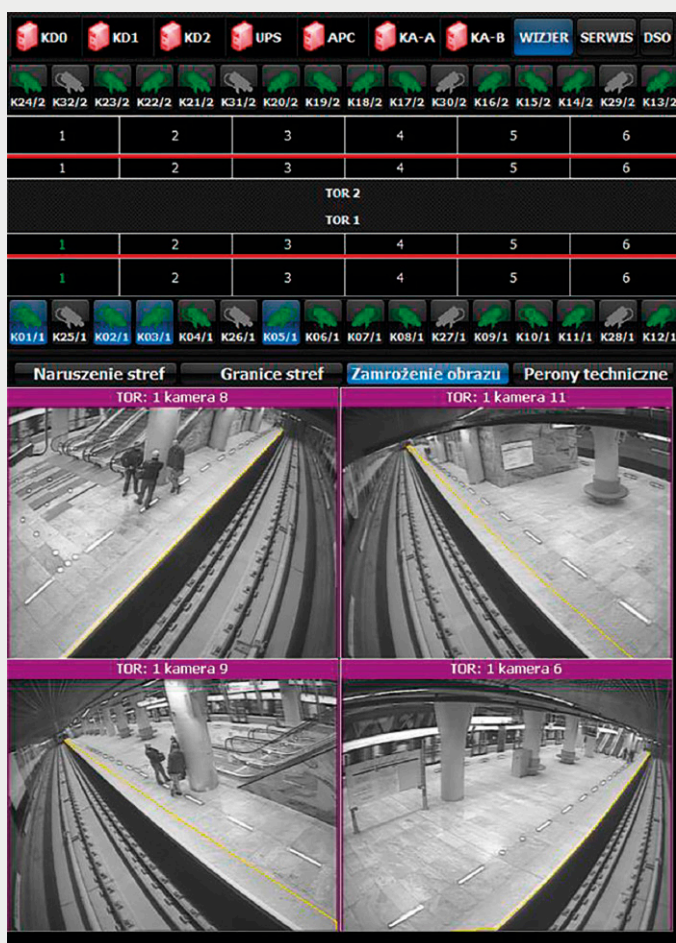
rmSDO can work with other station systems such as:

- digital audio-visual systems (such as DSO - Voice Alarm System) and building automation systems (BMS - Building Management System)
- ability to integrate with existing CCTV infrastructure
- a safe exit from the system to be used to alarm and / or stop the trains.

### FLOW OF INFORMATION OF THE SDO SYSTEM







The system is divided into two independent sets of sensors and processing computers. Logic is the common part.

The part of the system responsible for the protection of the track has a fully redundant set of equipment. A failure of individual sensors or computers does not result in the loss of protection on any part of the supervised area.

**rmSDO** is characterized by the registration of device state data and algorithm outputs. It is possible to replay archival situations.

The **rmSDO** console provides the current:

- preview
- warning
- device state indication.

Graphical presentation of the entire system in one place allows, among others, a rapid verification of the risk and failure.





AQAP 211:2009  
PN-EN ISO 9001:2008

**Rail-Mil Computers Sp. z o. o. Sp. k.** is a Polish company operating mainly in the field of electronics and computer systems. The company focuses on offering complete innovative solutions based on hardware of its own production or purchased from reputable foreign partners. Our main goal is to provide **Polish solutions at the European level**. We make every effort to ensure that innovation and modernity meet the demands of the 21st century. We offer our own proven solutions while remaining open to the needs of our Clients. Hence, the motto of our company:



AQAP 2110:2009  
PN-EN ISO 9001:2008

**"Tailored to our Clients' needs".**



## **Rail-Mil Computers Sp. z o. o. Sp. komandytowa**

03-982 Warszawa, ul. Kosmatki 82

tel.: +48 222 099 450

fax: +48 222 099 455

**[www.rail-mil.eu](http://www.rail-mil.eu)**

[biuro@rail-mil.eu](mailto:biuro@rail-mil.eu)



### **WE ARE A PARTNER FOR THE FOLLOWING COMPANIES:**



All trademarks and company names are used for informational purposes only and are the sole property of their respective companies.



The catalogue is for information purposes only and does not constitute an offer within the meaning of the Civil Code. All specifications are subject to change without notice.