



# TrafficSWing DOZ-1

## Centralised traffic control

- Electronic system for remote control of signalling
- Failsafe and reliable system meeting SIL4 requirements according to CENELEC
- Different levels of dispatcher's control
- Possibility to carry out safety critical functions
- High availability of transmission system
- Low maintenance costs
- Transmission of train numbers at all control levels
- Training environment for DOZ-1 and other related systems



### GENERAL DESCRIPTION

Centralised traffic control TrafficSWing DOZ-1 (further DOZ-1) is designed to control railway lines or several station interlocking systems from a single location (dispatcher's centre).

To increase availability and reliability, stations are connected to DOZ-1 via two independent transmission networks.

To improve general overview, DOZ-1 workplace is equipped with train describer system and railyard can be displayed on large screen display. DOZ-1 can be supplemented by automatic route setting functionality (ARS).

DOZ-1 transmission network provides information for connection of radioblock centre (ETCS RBC) TrainSWing REA.

### BASIC TECHNICAL DESCRIPTION

DOZ-1 provides remote control of up to 20 station interlocking systems (e.g. StationSWing ESA 44) within a single area with maximum 24 dispatcher's commanding computers (DZPC) being selectively configured and substitutable.

Railyard is displayed on one to eight VDUs.

DOZ-1 can be connected to large screen display - VEZO.

Extent of the area controlled by DOZ-1 is up to hundreds of kilometers (via fibre optic cable).

Fail safe control (SIL4) with option to carry out safety critical functions.

Possibility of train route setting through several stations at once.

Intelligent selection of different station railyard views.

Possibility to connect indications and control of other technology (e.g. fire detector, building security, etc.).

TrafficSWing GTN application is an integral part of DOZ-1, which automatically process electronic traffic log, displays actual traffic overview and communicate with superior railway information and control systems (e.g. traffic management system).

Information system TrafficSWing HAVIS-III and trackside part of automatic train operation (ATO) DriveSWing DRS-10 can be connected to DOZ-1.





## BASIC TECHNICAL PARAMETERS

Input power supply	AC 230V ± 10 %, 50 Hz
Temperature range	climatic category T1 according to EN 50 125-3
Humidity	to 80 %
EMC compliance	EN 50121-4, EN 61000-4-2, EN 61000-4-3, EN 61000-4-4, EN 61000-4-5, EN 61000-4-6, EN 61000-6-4
Service life	minimum 25 years

