



V-SYS Signalling Systems

 Highlighting Vossloh turnkey signalling offers

Signalling engineering and integration

Vossloh designs customized signalling solutions for tramway and railway networks, both for passenger and freight transportation. Our integration capability enables us to undertake turnkey projects from basic design to commissioning, including: design, supply and manufacturing, assembly, installation, factory & site testing, commissioning and hand-over, as well as training. Vossloh offers several lines of signalling products and systems, meeting our customers' requirements.

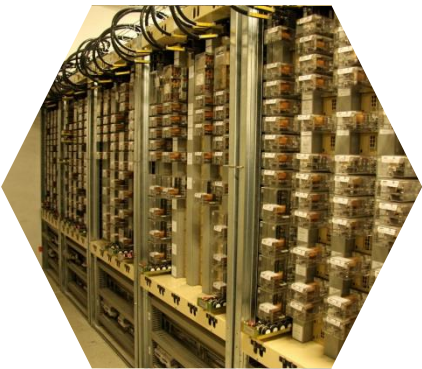
A safety level that complies with the highest requirements



Interlocking solutions:

All interlocking operations are performed by software and centralised in a computer with a Safety Integrity Level up to SIL4. Signalling principles have been developed by Vossloh for the French national railways and customized for several other national networks.

A customized offer



Customized solution for all kinds of transportation systems:

Vossloh performs turnkey installations for passenger and freight networks as well as for tramways. Our offer includes all wayside equipment, interlocking stations as well as control centers.

Global solutions and competencies



Project management of turnkey contracts:

Vossloh acts as an integrator of technologies developed in-house or existing on the market. Vossloh relies on its own design office, manufacturing, capability and factory test platform. Vossloh performs or subcontracts construction works. On site testing and commissioning are performed by its own skilled technical teams.

Signalling solutions

FAS- PAS (Failsafe Audible Signal - Power Assisted Switch)

The patented FAS-PAS provides a low-cost alternative to implementing full CTC systems when traffic needs to be increased on selected dark territory lines. This allows railroads to gain safety and efficiency levels that would otherwise be only available using CTC solutions, and at a fraction of the cost. The FAS-PAS system provides a vital message back to the train engineer and is therefore suitable for mainline applications. Dark territory presents challenges to safety, fuel, conservation, and velocity; all key indicators of a railroad's success. FAS-PAS meets these challenges, making it a practical solution to a complex issue.



FEATURES

- Communication sub-system
- Zone occupancy sub-system
- Indication sub-system
- Control sub-system
- Switch machine sub-system
- System housing and packaging

BENEFITS

- Optimizes throughput
- Reduces operating costs
- Increases traffic

MYA (Modular Yard Automation)

The Modular Yard Automation system (MYA) enables a railroad to implement scalable automated solutions to increase safety, productivity and efficiency in your rail yard application. MYA offers a flexible communication solution to conform to the needs of your railroad, providing wired or wireless controls. Our MYA system utilizes Genesis as a standard serial protocol. MYA offers ground crew control of switches, control from a centralized location or control from decentralized locations. The system is scalable for future expansion and also offers derail control with name and trade event logging to satisfy FRA requirements.



FEATURES

- Conformance to AREMA specifications
- Ability to monitor equipment in the field
- Onboard terminal communication to the train
- Derail control available

BENEFITS

- Ground level maintenance of all components
- Reduces dwell times
- Available with UVP to provide vital yard systems
- Simple routing with Easy Route subsystem

V-SYS Signalling Systems

References

- ALGERIA
- AMTRAK
- ARBED
- ARCELOR MITTAL
- ARGENTINA
- BNSF Railway
- BOKÉ RAILWAYS (GUINEA)
- CORSICAN RAILWAYS
- CSX Corporation
- FERROMEX
- FRANCE
- KCS
- KCSM
- MORROCO
- NORFOLK SOUTHERN
- PORTUGAL
- SNCF
- SNCFT (TUNISIA)
- SNIM (MAURITANIA)
- TACOMA RAIL
- TUNISIA



VOSSLOH experts are ready to help any railway or urban network to examine a specific technical and economic solution adapted to their signalling requirement.

For further information, please contact :

VOSSLOH COGIFER SA

Signalling Department
4, rue d'Oberbronn
67610 REICHSOFFEN - FRANCE

Tel : +33 (0) 88 80 80 00
Fax : +33 (0)3 88 80 85 19

info@vossloh.com