



V-SIG Product line

A product family dedicated to railway signalling
with highly distinguished products focused on safety

vossloh
enabling green mobility

High-reliability railway signalling products focused on safety and availability

Vossloh is a world leader in railway signalling products and solutions. We offer a full range of actuation products, locking systems, switch position detectors and other equipment able to fulfill the highest safety and availability requirements (SIL4 certification CENELEC) for all railway networks in many countries throughout the world: tramways, urban transport system, conventional, heavy haul, industrial, high-speed and very high-speed lines.

Actuation, locking and detection systems (ALD)

Switch mechanisms, the culmination of Vossloh expertise

Vossloh line of actuation mechanisms products tailored to every situation. Electrohydraulic or electromechanical, each product is adapted to a specific market segment around the world.

Tramway



Easy to install and low maintenance
MCEH61/MTEH61, the electro-hydraulic point machine is used to operate all tramway turnouts. Available in locked or trailable version.

Integrated mechanism



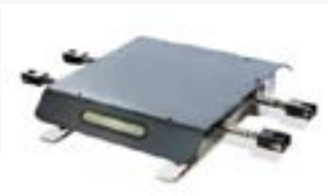
Easyswitch a feat of integration
Within a hollow sleeper, the integrated system includes a motor, a VCC lock and a detection device. Designed to facilitate the optimal mechanical integration of driving system in a reduced area.

All types of network



Robust and well-proven all over the world
The electromechanical point machine MCEM91 achieves the electrical actuation of the switch, its locking and its detection in end positions.

Narrow urban network



In-track light and compact
Easydrive point machine range consists of compact drives in-track, between the rails.

What about the future?
Our R&D teams continuously work to improve existing product lines.
The goal: respond to the constraints of certain particularly dynamic and demanding international markets.

These products are the result of long-held expertise and rigorous design decisions. Some of our offers are one-of-a-kind on the market.

Reliable Locking systems

Among various kind of Vossloh external locks, the VCC designed and widely deployed by Vossloh at all types of Vignole lines - is known as one of the safest external lock. Combined with its integrated lock detector, the VCC provides DIRECT locking and DIRECT DETECTION, at each rail. Such features make it recommended by UIC734 for high-speed applications.



VCC clamp lock the Vossloh exclusive
The VCC is a locking device with integrated detection.



VPM Movable point lock the VCC's 'little brother'
The VPM locks the movable point frog while detecting its position and lock status.

Where customer needs ultimate safety and robustness
VCC (Verrou Carter Coussinet) = Switch Locking Device
VPM (Verrou Pointe Mobile) = Swing Nose Locking Device

Security detection systems



Paulvé the end-point detector
The Paulvé is a rod driven detector to monitor the application and opening of point and crossing switches.

Its design allows quick installation at any place on the turnout (switch toe or heel) in all and non-locked switches. Being directly mounted onto the stock rail and connected to the blade, it is considered as the most reliable detection principle, with accurate and stable detection values.



KV clamp lock detector
The KV detector is assembled on both VCC/VPM clamp lock. It provides a direct detection of the switch rail closure and of the locking position.



Traffic detector an essential safety device
This device detects the passage of a train, with or without direction selection. It thus makes it possible to alert teams working on railways, announce the arrival of a train at a station, or control a level crossing.

Connect and digitalize your infrastructure with our Smart Point Machine (SPM) monitoring system.



By subscribing to our packages, you gain access to high-quality data for condition-based and predictive maintenance, optimizing costs, and enhancing efficiency. Our intelligent diagnostic platform ensures continuous asset monitoring, proactive maintenance, and maximum route availability. With high-performance sensors and targeted information, SPM enables efficient maintenance planning, improved track possession, breakdown prevention, and a fast return on investment, all while meeting stringent cybersecurity, safety and quality standards.



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