

Entity in Charge of Maintenance





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The European railway network has been impacted by major changes. Its access has been redefined by regulations that guarantee the safety and interoperability of the entire railway system. Each actor must benefit from adequate supervision.

The choice of a maintenance management system is a strategic issue for all market players.

In this perspective, the following regulations are imposed on all rolling stock operating on the European railway system:

- **EU Directive 2016/798 defines the common principles for the management, regulation and control of railway safety.**
- **EU implementing regulation 2019/779 establishes the terms of a certification system for the entities in charge of rolling stock maintenance.**



Introduction to the ECM concept

Definition

A maintenance and quality management system to ensure a high level of safety.

Complex processes that involve many actors across different countries.

Regulatory application

ECM A

Maintenance supervision: supervision and coordination of the ECM functions guaranteeing rail safety.

ECM B

Maintenance development: regularly updated maintenance record keeping based on feedback and risk analysis.

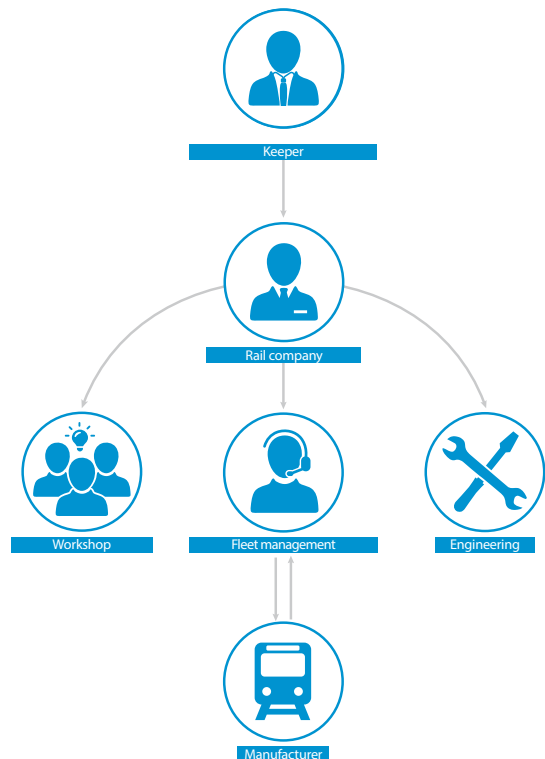
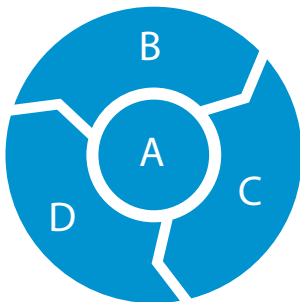
ECM C

Maintenance management: maintenance operation scheduling and organisation. Return into revenue service.

ECM D

Maintenance achievement or performance: performing maintenance and putting vehicles back in service.

An entity in charge of maintenance has a major role in guaranteeing the safety of the European rail system. It ensures that the vehicles for which it is responsible circulate in complete safety, thanks to its maintenance system.

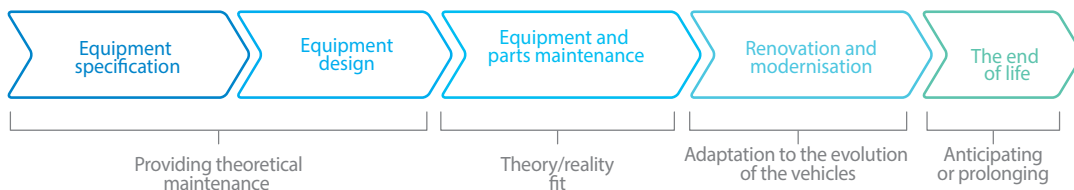




The Masteris offer

The life cycle of a train

A major issue in efficient organisation involves the life span of the vehicles. It is based on safety control and it is organised on key pillars like the evolution of maintenance records in relation to risk analysis – safety risks in particular – and the lifespan of the vehicles.



Des solutions d'entretien sur-mesure

Masteris, a subsidiary of SNCF Voyageurs, has the diversity of industrial infrastructures and all of the recognized and exhaustive know-how that make SNCF Voyageurs maintenance and engineering an international benchmark. The strength of Masteris is to be able to offer its customers the right balance between the agility of its own resources and all the benefits provided by the SNCF Voyageurs system :

Maintenance development with the maintenance and design engineers who ensure decisive expertise for the safety, reliability and rolling stock improvement.

Maintenance Management with Fleet Technical Supervision (FTS).

Conducting the interview based on a network of partner workshops in France, Belgium and Germany as well as experience in the maintenance of all types of railway rolling stock.

Its support entities like the Industrial Logistics Center and the training centers.

Its extensive knowledge of the imperatives of the operators and maintenance teams.

KEY BENEFITS OF ECM



An optimum level of safety is maintained

Control of the skills and risk analysis related to any kind of change, as well as constant improvement on the basis of experiential feedback.

Maintenance organisation is structured

Building an organisation managed by rules and procedures that can be adapted to all job positions and all related personnel.

A Maintenance cost reduction programme is offered when required

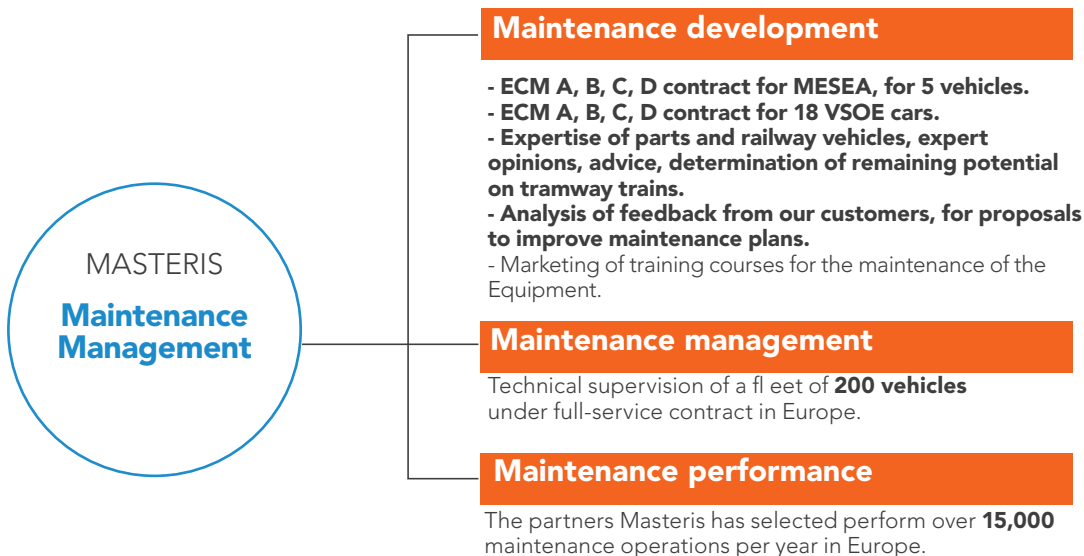
Maintenance is adapted to fit performance objectives and the actual condition of the rolling stock and its systems. Support is provided via a tailored maintenance cost reduction programme.

Co-building

A joint solution is designed to fit the client's needs and required level of safety.

An unique concept

With support from our network of partners, Masteris supports its clients in a variety of railway activities requiring ECM supervision.





A MADE-TO-MEASURE OFFER

Masteris assumes ECM responsibilities to enable our clients to focus their efforts on their core business and its growth.

Maintenance is managed in full transparency to serve our clients' performance.

Masteris offers its clients complete or partial ECM services, depending on their needs :

Solid, exhaustive expertise to determine the root causes of an anomaly.

Complete engineering studies for a truly pro-active action plan.

A full range of ECM services



OUR ECM REFERENCES

Masteris, ECM certified since May 2019, manages ECM C and D services for work machinery and passenger cars in international traffic.

Masteris provides ECM A and B services for Mesea (5 works machines) and VSOE (18 passenger cars).

Masteris has helped SETER, the operating company of the TER in Dakar, Senegal to set up an ECM-type organization in just 5 months thanks to his expertise.



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