



**Explainer: Everything You
Need to Know About Digital
Maintenance Management**

WHAT IS A DIGITAL MAINTENANCE MANAGEMENT SOLUTION?

A Digital Maintenance Management solution enables rail operators to efficiently monitor and plan all aspects of preventive and corrective maintenance.

WHY USE A MAINTENANCE SOLUTION?

Key Benefits:

- **Compliance with safety regulations:** Maintenance activities are undertaken at the required time and any anomalies controlled to ensure safe rail operations
- **Staff Productivity:** Advanced automation reduces the human effort required to monitor, plan and undertake all maintenance activities
- **Asset Availability:** Coordinate preventive and corrective maintenance to minimise the financial impact of locomotive unavailability
- **Asset Reliability:** Manage maintenance planning based on actual KMs travelled to achieve maximum asset reliability and avoid major repair costs
- **Asset Life:** Maximise the useful life of rail assets by adopting the most optimal maintenance schedules
- **Asset Control:** Centralised visibility and control over all assets enables staff to make informed decisions, ensuring maximum operational efficiency



MAINTRACK WITHIN THE RAIL OPERATION

Binary System offers a Digital Maintenance Management solution called MainTrack, which is part of its SoftRail suite. Developed in collaboration with maintenance experts, MainTrack enables Fleet Management Teams, Drivers and Cabin Crew, and Workshop Staff to streamline every aspect of their maintenance operation.


FOR FLEET MANAGEMENT TEAMS	FOR DRIVERS AND CABIN CREW	FOR WORKSHOP STAFF
<ul style="list-style-type: none">• Manage the fleet• Communicate with third parties• Manage maintenance plans• Check deadlines• Plan maintenance• Removal from/return to operation• Reporting	<ul style="list-style-type: none">• Consult digital logbook• Real-time updated loco status• Report vehicle supplies & usage data• Complete pre-departure check-list• Report faults• Communicate with SRM• Check restrictions applied to vehicles	<ul style="list-style-type: none">• Maintenance checklists• Return to service• Management of equipment/ infrastructure required for maintenance• Stock management & spare parts requests• Spare parts installation & removal• Oil analysis data management• Track occupancy control• Reporting (inc. hours worked)

SPOTLIGHT ON DIGITAL MAINTENANCE MANAGEMENT: MAINTRACK AT CAPTRAIN ITALIA

Rolling Stock Director Enzo Talarico uses MainTrack to ensure Captrain Italia efficiently operates 8,300 trains per year, covering 4.9 million miles of rail track.

- **On Efficiency:** “MainTrack is a very good product – a genuine railway solution... preventative and corrective maintenance works can be addressed together, enabling us to work much more efficiently.”
- **On Productivity:** “With MainTrack we work more quickly... aside from myself we have one person managing rolling stock. Without MainTrack we would need at least one person more.”
- **On Safety:** “MainTrack enforces safety because we enter a maintenance plan which has to be respected. For each locomotive we receive alerts before expiry, and if an element does expire then it automatically becomes unavailable.”
- **On Adaptability:** “Drivers can report issues via a mobile application, for example if a locomotive has an issue. This produces an alert so that production knows the locomotive is not available, which makes it possible to reorganise quickly.”
- **On Integration:** “The integration of the different modules has improved safety – because management of maintenance is not only an aspect of production; it is also safety and management of quality of work of maintainers.”





**Want to know more about Digital
Maintenance Management Solutions?
Contact Binary System today!**

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