

Intelligent Locomotive Maintenance Planning and Management



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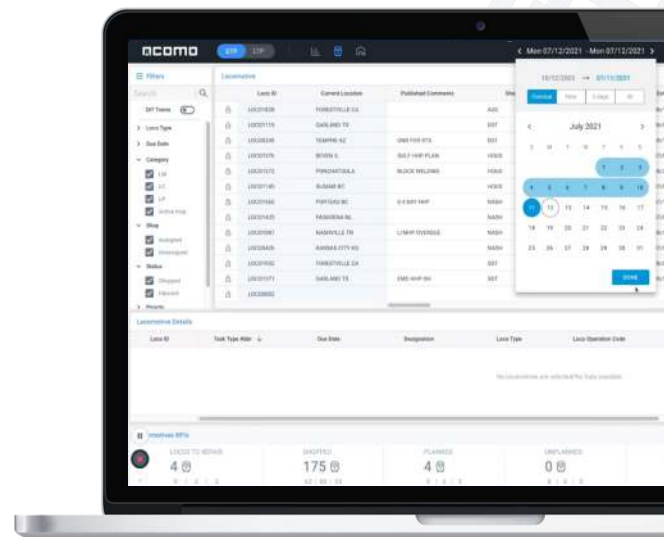


Optimize maintenance shop capacity and capabilities to improve overall productivity and reduce out-of-service locomotive times.



The costs related to rail assets is a big investment for any rail operation. According to some experts, roughly 30% of your locomotive lifecycle costs are from maintenance-related activities and that doesn't even include the lost production that's associated with dwell time. Instead of adding more shops, outsourcing the work, or hiring more personnel, rail operators are turning to new technologies to streamline the work to increase productivity and reduce costs.

Effective locomotive maintenance planning is all about making sure the right trains go to the right shops at the right time. Unfortunately, this is a complex process because of conflicting objectives, manual processes, and lack of visibility from fragmented and unorganized operational data. As a result, railroads witness high out-of-service locomotives times and high locomotive maintenance costs. At RailSuite, we believe planners need better tools to eliminate this waste and complexity.



Maintenance Planning Using Ocom

Ocom has been designed and developed to enable maintenance planners in handling the complex process and to be proactive in addressing maintenance requirements. The fundamental principles guiding this product are:



One-Stop-Shop for Planning: Integrate maintenance requirements, shop capacities, and shop capability information in one portal for the heavy (long-term) and running (short-term) maintenance planning for all locomotives and all shops in the network.

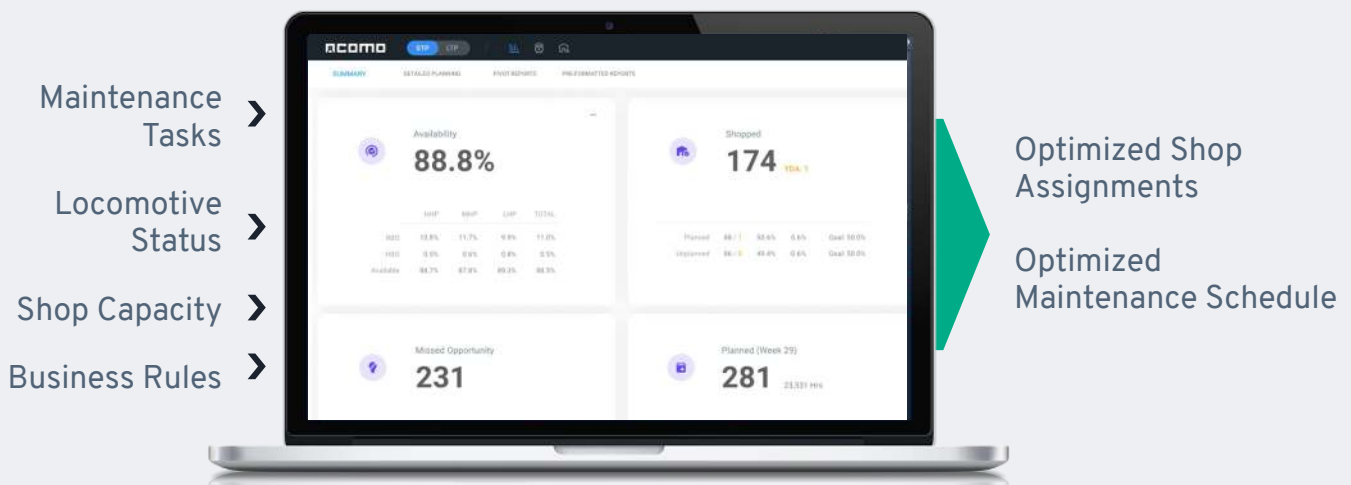


Decision Support: Enable planners and managers to visualize, analyze, and decide maintenance plans interactively and make the plan available to all stakeholders in the real-time.



Optimization Intelligence: State-of-the-art algorithms for short-term and long-term planning help you streamline maintenance operations for any horizon.

Ocom Overview:



Objective

- Maximize Shop Utilization
- Maximize Locomotive Availability
- Increase Plan Compliance
- Optimize Workload Distribution

Constraints

- Shop capacities and capabilities
- Priority of maintenance needs
- Budgetary limit
- Due date constraints

Product Capabilities:



Running Maintenance Planning

Proactive maintenance scheduling helps you balance shop capacity, workload, and capabilities with inspection and maintenance priorities.



Intelligent Optimization

Automatically optimize maintenance plans while honoring all constraints and multiple conflicting objectives.



What-If Scenario Modelling

Scenario management enabling performing what-if analysis for different plans.



Heavy Maintenance Planning

Plan ahead for major locomotive maintenance in advance to reduce turnaround times and avoid



Interactive Controls

See current shop workloads, locomotive assignments, and tasks with simple tools to modify maintenance workflows.



Smart Reporting

Customizable, multi-role reporting and dashboards to focus on KPIs that mean the most with advanced BI tools for drill-down reporting.



Seamless Integrations

Easily connects and shares data seamlessly with your existing technology stack (ERP, TMS, etc.).



Can Ocomo help you?

Ocomo is a cloud-hosted web application ideally suited for your organization in creating values through better planning and execution of the locomotive maintenance planning. Please contact us at info@railsuite.com, if you are interested in further learning about Ocomo.

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