

Success Story



Efficient Test Lab Management in Engine and Filter Development

at a well-known Automotive Supplier

A leading automotive supplier needed to streamline its internal test lab operations for engine and filter development.

Challenge:

- **Decentralized Planning Processes:** Test and resource planning using various tools and manual processes leads to inefficiencies.
- **Resource Conflicts:** Poor visibility into test bench availability and equipment usage causes bottlenecks and scheduling conflicts.
- **High Documentation Effort:** Manually handling of test setup and execution data consume valuable engineering resources.
- **Limited Traceability:** Linking test results to specific configurations or test orders is difficult and time-consuming.

The Solution: Peak Test Management Suite

To tackle these challenges, the company implemented the **Peak Test Management Suite** with the following benefits:

- **Central Planning Dashboard:** All test activities, resources, and schedules are coordinated in one system.
- **Integrated Resource Management:** Up-to-date information on the availability of test benches, sensors and laboratory equipment.
- **Digital Test Orders:** Structured digital workflows replace paper-based processes for planning, approval, and execution.
- **Full Traceability:** Every test is linked to detailed metadata, from setup to result evaluation.

Key Benefits & Business Impact

- **Improved Lab Utilization:** Efficient scheduling maximizes test bench throughput and minimized idle times.
- **Higher Process Reliability:** Standardized workflows reduce planning errors and increase process transparency.
- **Reduced Administrative Overhead:** Engineers save time through automated documentation and streamlined approvals.
- **Faster Development Cycles:** Coordinated planning accelerates test execution and feedback loops.

Why Peak Solution?

- **Deep Industry Experience:** Years of hands-on involvement in test lab management across the automotive sector.
- **Tailored to engineers' needs:** Configurable workflows and templates tailored to the company-specific test lab processes.
- **Fast Deployment:** Proven software components enable a quick and low-risk rollout.
- **Open Architecture:** Seamless integration with test automation, data management, and analytics tools.

More information

www.peak-solution.de

