

DIGITALIZATION

— AT WORK —

A DIGITAL TRANSFORMATION SUCCESS STORY

Enhancing TrakSYS for Major Automotive Manufacturer

At one of the most extensive vehicle manufacturing plants in the world, where upwards of 550,000 vehicles and more than 600,000 engines are produced annually, operations have continued to thrive amidst increasing regulatory requirements.

To continue their success, the management team behind this automotive giant realized they needed to implement a solution that would allow them to replace their paper-based record and task system with a digital one. They also needed a solution that would help them digitalize their equipment checks and standards, which have come to be an integral part of their operations.

They didn't just need to merely remove paper, but rather truly digitalize their systems in a way that unlocked additional efficiencies and business value.

As they contemplated potential solutions, they engaged EOSYS® for a recommendation based on our 20+ year relationship of successful projects together. Based on the manufacturer's needs and the benefits they were looking to achieve, EOSYS recommended TrakSYS as a digitalization platform.

SITUATION

“

We needed to go digital, in a big way. Replacing paper systems and digitalizing equipment checks and standards.

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**THEY DIDN'T JUST NEED TO REMOVE PAPER,
THEY NEEDED TO UNLOCK ADDITIONAL
EFFICIENCIES AND BUSINESS VALUE**





CHALLENGES

- Daily, time-consuming manual process checks
- Existing paper-based system to monitor status and track which team members were assigned tasks
- Inefficient process to report failures and escalate to appropriate team members
- Difficult to identify what caused a check to fail, no process for informing party that could help resolve the root cause



GOALS

SIMPLIFY

- Mandatory check process
- Team assignment tracking
- Supervisor interface to create, clone, and edit checklists

SEE

- Dashboards with real-time status visibility
- Real-time operator feedback on failed checks
- Ability to escalate overdue or failed checks

SCALE

- Expand organization-wide paperless initiative compliance
- Reduce Defects per Vehicle by scheduled (and enforcing) regular equipment checks
- Scalable to multiple facilities

**THEY NEEDED TO GET THE MOST OUT OF THEIR OWN SYSTEMS
WITHOUT THE NEED FOR ONGOING OUTSIDE ASSISTANCE**

OUR SOLUTION

Quality checks are critical to any manufacturing process, but it isn't always practical to check every measurable parameter in real-time to check 100% of parts. For this facility, managing the "who, what, where, when, and how" of quality checks was a constant balancing act. Paper forms and spreadsheets had become overwhelming and simply did not scale with thousands of quality checks required for a process of this complexity. To resolve this issue, EOSYS recommended TrakSYS to the production team to leverage a flexible framework to create checklists, capture user inputs, escalate issues, and display statuses on dashboards.

With the customer's goals in mind, EOSYS uniquely configured TrakSYS to match the organizational model for their processes to allow them to be 100% self-sufficient in building, cloning, assigning, and scheduling their own checklists. Unique QR codes were affixed near the equipment for operators to scan to facilitate immediate access to associated checklists. User-intuitive dashboards were designed to enable managers to see - at a glance - which checklists had passed, failed, or were overdue.

Quick discovery was key. Dramatically reducing time to discovery via strategic configurations of notifications was instrumental in driving quick action.

01 Strategic Configuration of Tasks

02 Customization of Dashboards & Reports

03 Discovery-Focused Notifications

**OUR CUSTOM DASHBOARD CONFIGURATIONS
CREATED REAL-TIME VISIBILITY
TO ALL LEVELS OF PLANT MANAGEMENT**



KEY RESULTS

01



Reduced Defects by Vehicle 60%



Enabled quick discovery and response to out-of-spec conditions



Enabled operator equipment checks **from any web-enabled device, anytime**



Created ability to digitally check equipment check forms that help determine trends



Manager & shift leaders **automatically notified** when equipment check reported as out-of-spec



Achieved paperless initiative

ACHIEVED GOALS TO **SIMPLIFY** PROCESS, CREATE VISIBILITY TO **SEE** REAL-TIME RESULTS, AND **SCALE** FOR FUTURE GROWTH

ABOUT THE EOSYS GROUP®

Leader in Industrial Digital Transformation

For over 30 years, EOSYS has been providing custom industrial integration and digital transformation solutions to Fortune 500 companies and major industrials across the United States.



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System Integrator

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6 Years Running

