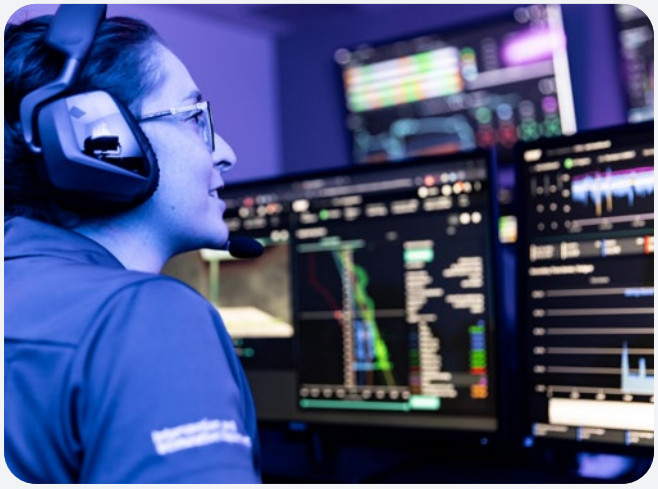

Max Maintenance
Transform your asset strategy with precise maintenance data.
Over 1 Week
Projected Man Hours
65,400
View All
Over 1 Week
View All



Data visibility that drives maintenance performance

Max™ Maintenance brings maintenance, operations, and performance data into one place so teams can plan work, track asset health, and act faster.

Built on the same foundation as other NOV Max applications, Max Maintenance turns data into decisions that improve reliability, reduce unplanned downtime, and support smarter total cost of ownership planning.

Proven by NOV. Ready for your operation.

We have used and developed Max Maintenance across our own operations for years. Now customers can access those proven workflows through a modern experience in the Max Portal.

Max Maintenance works as a standalone maintenance application and connects easily into your broader systems and digital environment.

Built to grow with your maintenance strategy

Every organization is on a different maintenance journey. Max Maintenance supports where you are today, whether that is preventive maintenance or more advanced predictive and condition-based maintenance. You can build maturity over time without forcing a disruptive reset.

Key Functionality

Everything you need to plan smarter, act faster, and improve reliability.

Plan, schedule, and execute work

- Planned and unplanned work orders
- Time-, usage-, and condition-based scheduling
- Periodic checklists
- Campaign management for fleet initiatives

Know what you have and where it is

- Structured asset hierarchy and taxonomy
- Serialized asset ID using RFID, NFC, QR codes, and barcodes
- Asset location mapping and tracking

Inspect, report, and improve reliability

- Inspection management
- Maintenance and failure reporting
- Maintenance KPIs, analytics, and dashboards
- Failure Mode, Effects, and Criticality Analysis (FMECA)

Keep parts and documentation connected

- Inventory, parts, supplier management, and material transfers
- Digital document library

Connect data across your operation

- Data platform and IIoT integration
- Mobile device support
- Total cost of ownership reporting

Case Study

Max Maintenance delivers more than $50,000 in quarterly planned maintenance savings at manufacturing facility

Trusted across NOV operations

- 200+ facilities
- USD 300M in maintenance executed
- 2,700+ active users
- 450+ daily users

Background

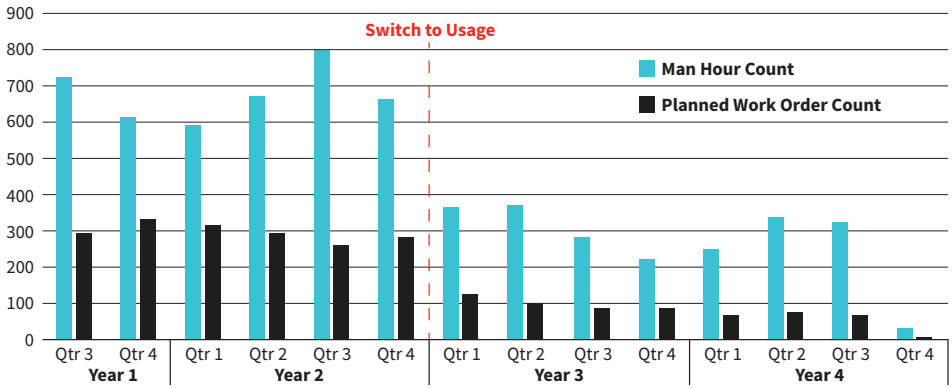
Manufacturing facilities operate in high-demand environments where uptime, efficiency, and reliability directly affect output and costs. Unplanned downtime of aging, heavy, or specialized machinery can disrupt production, trigger operational issues, and increase maintenance backlogs.

Many facilities still rely on caledar-based maintenance, servicing equipment on a fixed schedule rather than actual usage or condition. This traditional approach often leads to unnecessary maintenance, higher operating costs, and inefficient use of labor.

A manufacturing facility in Houston, Texas, turned to NOV's digital experts to move from calendar-based maintenance to a usage-based approach.

Proven Results, Shift from Calendar to Usage Based Maintenance

Reductions in cost, hours, and work orders after implementation at a manufacturing plant



71% Work Orders

70% Planned Cost

54% Man Hours

40% Unplanned Cost

Solution

Using Max™ Maintenance, a connected asset and maintenance management platform, the facility shifted from reactive to preventative, predictive, and condition-based practices.

Max Maintenance provides a single source of truth, connecting every asset, technician, and decision. The cloud-based software enabled the facility to track, monitor, and manage all equipment; digitize scheduling and maintenance workflows; and use AI and analytics to anticipate issues before they turn into costly failures.

Results

A shift to usage-driven maintenance delivered sharp reductions in both maintenance costs and labor burden. Within two years of implementation, quarterly planned maintenance spend dropped by more than $50,000.

Labor demand followed the same trend. Work orders decreased by 71%, planned maintenance costs fell by 70%, and man-hours declined by 54%. In several quarters during the second year, labor requirements were less than half of the previous year. Unplanned maintenance costs also dropped by 40%, all while maintaining equipment uptime and reliability.

Technicians spent less time on unnecessary service tasks and more time addressing issues that directly affected production. Managers gained clearer visibility into asset performance, enabling more proactive planning, reduced downtime risk, and longer equipment life.

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