

Daily OEE Trend Analysis: Baseline vs Post-Implementation

Tracking operational efficiency improvements over time

OEE Trend Visualization

Daily OEE Trend – Baseline (Jan 2025)



Overall OEE Baseline

The baseline OEE for January 2025 averages around 0.67 with daily fluctuations due to operational inefficiencies.

Availability Challenges

Extended unplanned downtimes of 90 to 120 minutes per shift reduce overall equipment availability.

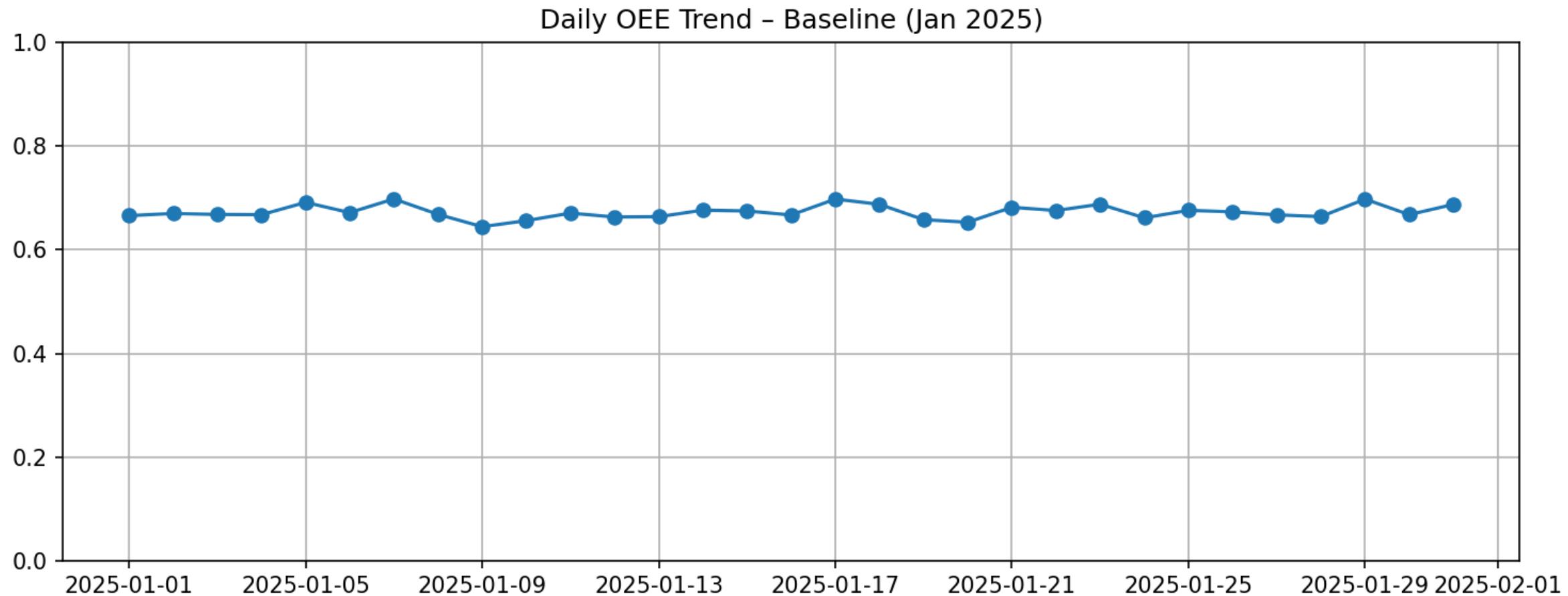
Performance Limitations

Performance ratios between 0.90 and 0.95 reflect cycle-time inefficiencies and manual coordination delays.

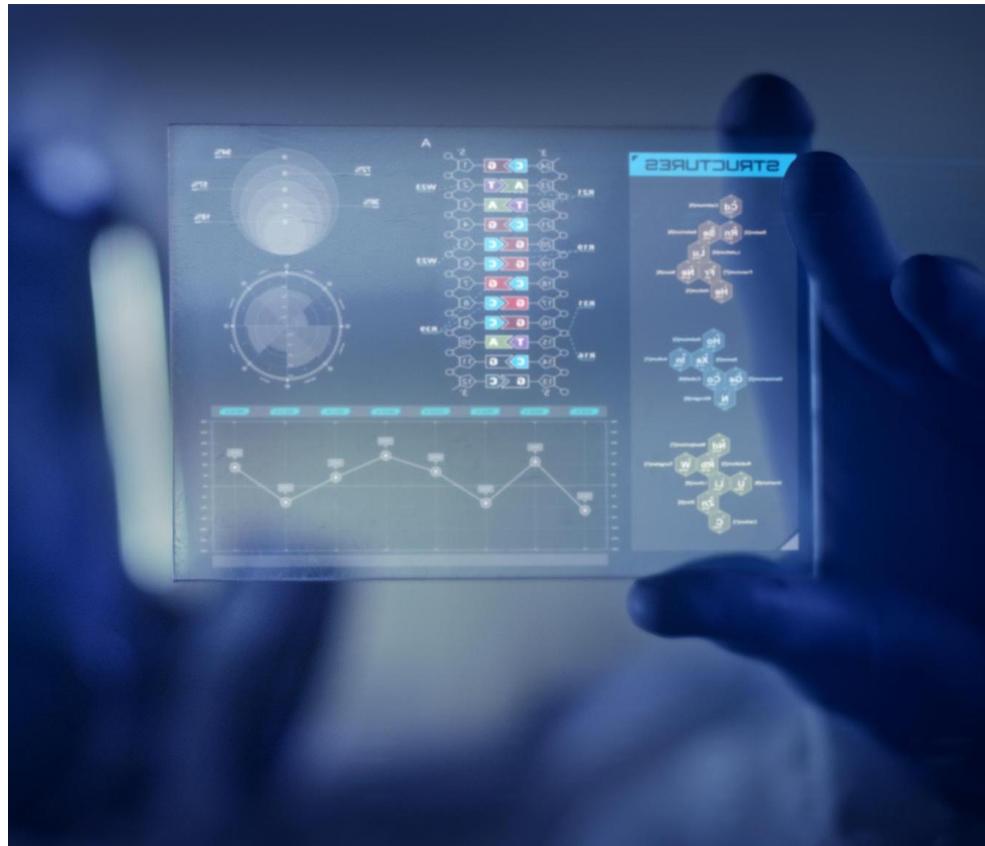
Quality Rates

Quality rates range between 92% and 94%, impacted by lack of real-time analytics and feedback.

Daily OEE Trend – Baseline (Jan 2025)



Daily OEE Trend – Post (Jan 2026)



Improved Equipment Availability

Downtime reduced to 45–60 minutes per shift via predictive maintenance and early failure detection alerts.

Enhanced Performance Ratios

Performance improves toward ideal throughput through better machine coordination and reduced idle times.

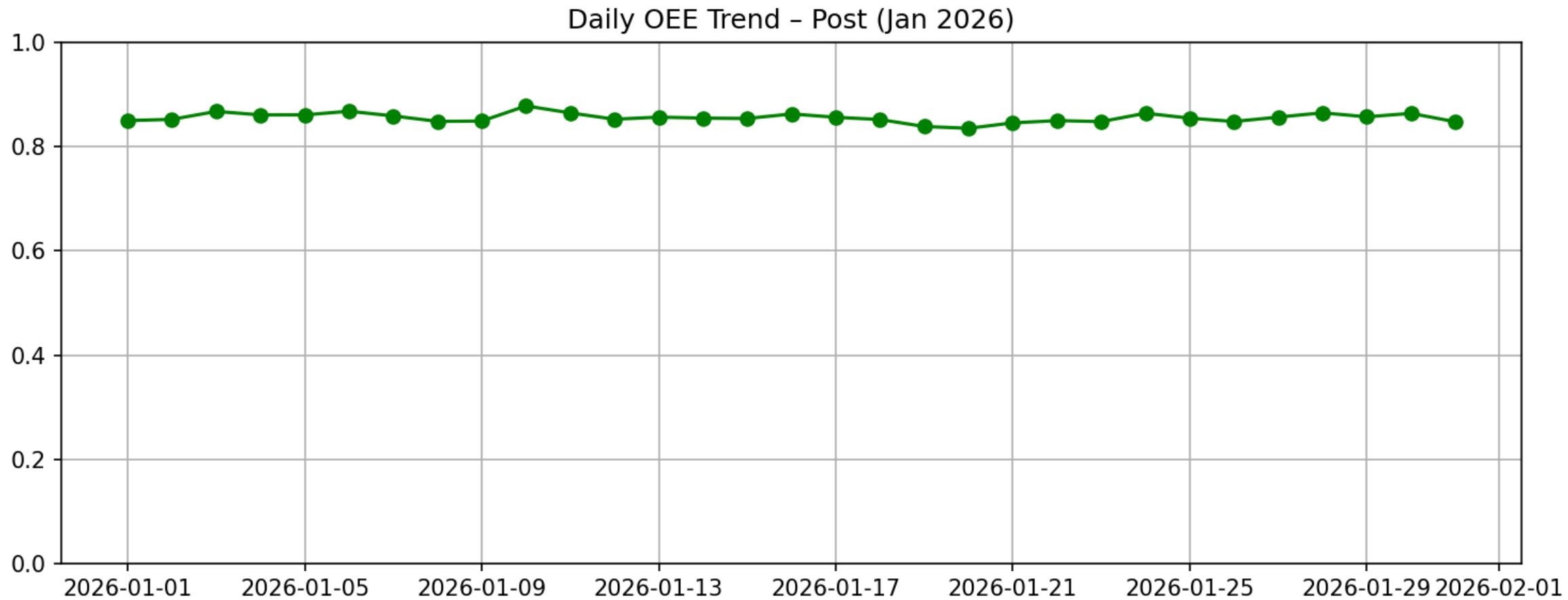
Quality Rate Improvements

Real-time anomaly detection and digital work instructions boost quality rates to 95–96.5%.

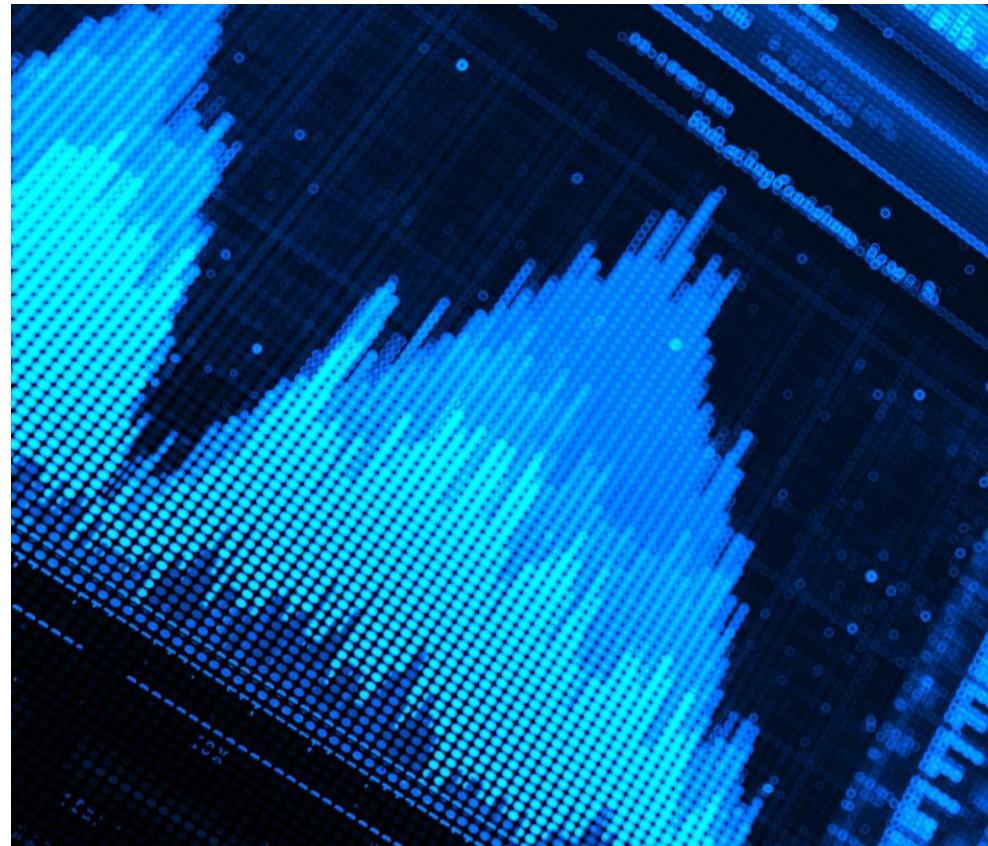
Consistent Process Stability

Reduced variability and uniform daily OEE demonstrate stable, resilient, and integrated operations.

Daily OEE Trend – Post (Jan 2026)



Daily OEE Trend – Baseline vs Post (Overlay)



Baseline OEE Performance

Baseline OEE curve shows lower, erratic performance with frequent dips due to equipment and operational issues.

Post-Implementation OEE Improvements

Post-implementation curve is higher, smoother, showing improved performance from predictive maintenance and real-time monitoring.

Impact of Digital Transformation

Digital workflows reduce variance and proactively address process anomalies, boosting overall system robustness.

Overall OEE Performance Shift

Overlay visualization highlights a 26% mean OEE increase demonstrating significant operational improvements.

Daily OEE Trend – Baseline vs Post Overlay (Overlay of Jan 25,26)

