

Nexplant MES Use Case

# Check your facility and equipment status in real time

Production managers can ensure consistent yield and high quality products by easily keeping track of the facility and equipment in real time.

Improve equipment efficiency through real-time monitoring of equipment status and indicators using granular data as well as analyzing the cause of yield loss.



### Operation Data Monitoring

This dashboard provides a comprehensive overview of equipment performance. It features a large circular gauge showing a 95.1% efficiency rate, alongside several line and bar charts that track key performance indicators over time. The interface is designed for quick identification of operational trends and anomalies.

### Performance/Loss Detection

This section is dedicated to identifying and analyzing production losses. It includes a horizontal bar chart that compares different loss categories, and a detailed table below it listing specific loss events with columns for start/end times, machine IDs, and loss types.

### Loss Cause Analysis

This dashboard focuses on understanding the root causes of production losses. It features a 'Cycle Time Analysis' chart that plots lead times against various process steps, allowing managers to pinpoint areas where delays are most frequent and significant.