

Success Case

Chemical Plant



Increased production line output by 10% with no new capital spending.

Semeq Predictive Maintenance Monitoring

📍 North Carolina

A global chemical manufacturer needed to increase production output to meet rising demand. The plant aimed to boost efficiency and reliability without investing in new equipment or expanding its production line.

Problem

Frequent mechanical and electrical failures caused recurring unplanned downtime. Maintenance teams operated reactively, uptime was limited to 85%, and production targets were not consistently met. Without real-time visibility, the plant could not anticipate failures or plan maintenance effectively.



Solution

After partnering with SEMEQ, the plant adopted a predictive monitoring program with multi-technology sensors, real-time data streaming, and AI-assisted diagnostics. Weekly reliability reviews enabled early detection and shifted maintenance from reactive repairs to planned interventions, stabilizing asset performance.



Results

Output → + 10% Uptime: 85% → 95% 12 months with no outages

“Downtime used to control our schedule — now we control it.”
— Maintenance Manager