



Maximizing productivity

Opening the doors to creating an intelligent pipeline

To **improve pump efficiency** as well as **optimizing availability and throughput** on a pipeline in North America, Sulzer helped the operator transform its raw pump data into meaningful intelligence.

Sulzer's BLUE BOX™ was deployed to **gather and analyze the operational data** that is constantly being generated in the pumping stations. Sulzer's in-house technical experts supported the integration of the system, interpretation of the data and provide recommended actions for optimization.

The software doesn't just look for anomalies that signal a developing problem, it also **gives visibility of pump performance** to identify bad actors or pumps operating consistently away from the best efficiency point (BEP). Collecting evidence of a situation and demonstrating how it can be resolved – supporting CAPEX projects.

In this case, the pumps at two stations were running predominantly around 150% BEP in the Restricted Operating Region above maximum flow. In effect, these pumps were creating a bottleneck in the pipeline

and restricting productivity. **BLUE BOX provided the supporting evidence for the retrofit** that increased the performance of the pipeline.

Payback period of just 14 months!

Identifying pumps that are operating away from BEP can:

- Reduce the risk of unplanned outage
- Reduce energy costs
- Improve throughput
- Improve reliability

