

## SOLUTION BRIEF

Manufacturing



# Unlocking the Value of Your Manufacturing Data

## Manufacturing challenges

---

Advancements in manufacturing technology have allowed companies to reduce process times and material wastage while increasing product quality and profitability. However, greater system complexity and the ability to produce items to exact tolerances requires close monitoring of each manufacturing step in order to avoid stoppages or quality issues that might occur at any point in the process.

Manufacturers need a better way to understand how well their complex manufacturing cells are performing by turning the masses of sensor-derived data into meaningful insights using data analytics and visualization tools right on the factory floor. If manufacturers could be alerted to process trends and out-of-band abnormalities before an event occurred, predictive maintenance or other appropriate interventions could avoid more costly repairs and lost production.

## The solution is at the edge

---

Traditional data mining solutions typically require all collected data be sent to a proprietary service or enterprise Cloud for storage, processing and analytics. Not only can this result in high WAN traffic costs, but the added latency of Cloud-based solutions is insufficiently responsive for highly complex processes that need almost real-time analytics.

An Envigilant Systems integrated edge computing solution not only ensures efficient process response and real-time insights, it also guarantees the customers ownership of data, easy data exchange and full project management of the engineering and services teams.

---

**For a free consultation, visit [www.envigilantsystems.com](http://www.envigilantsystems.com)**

---

