

*Data as the basis for decision-making,
process visualisation and predictive analytics
gives your business a **competitive edge!***

Operational Excellence

Operational excellence has many definitions, with the simplest being where an entire organisation collaborates on achieving successively higher levels of quality, efficiency and performance.

Built on the idea that **what gets measured, gets managed**, data-driven operational excellence KPIs not only drives a business to new innovations and efficiencies to fulfil customers' needs, it also highlights which of their site metrics are levers to improve.

This technological approach ensures real-time information capture and sharing to promote issue resolution and innovation. Furthermore, a digital facility allows individuals from across the shop floor to monitor and manage processes remotely, removing physical barriers to support and engaging a broader team in ensuring operational success.

Manufacturers typically produce a flood of production data, but just a trickle of insight. ThingWave can engage team members at your facility to help you get the most out of your production data to improve profitability, productivity and sustainability.

With the help of ThingWave's continuous improvement tools, OEE monitoring can quickly be implemented to closely track your percentages of availability, efficiency, and quality to optimize production and showcase in real time your performance through a single KPI.

In addition, you can compare your facility to other world-class manufacturing companies using our OEE key performance indicator tool.

With ThingWave's knowledge in data acquisition, communication platforms and data analytics, we are able to **support our clients'** data-driven operational excellence journey through:

- Collection of data from equipment using ThingWave wireless sensors (vibration, rpm, temperature, ultrasonic, humidity and other)
- Overall Equipment Effectiveness (OEE) monitoring and reporting
- Consolidation of data from other sources (ERP, LIMS, SCADA & other databases)
- Equipment and process monitoring - Diagnostic analytics show why it happened
- Predictive monitoring/ maintenance - Predictive analytics describe what's likely to happen in the future
- Machine Learning - Prescriptive analytics tell you how you can change it.

