



SUCCESS STORY

Networked machine park for a metal system solutions provider



50% Productivity enhancement through reduction in stocks

20% Digitalised production processes enable optimised reliability of deliveries

DATA ENGINEERING



PLATFORM ENGINEERING



THE CHALLENGE

Lack of transparency and flexibility; capacity bottlenecks in production

- Full order books at the medium-sized production company was pushing production capacity to its limits
- Lack of transparency regarding machine status, utilisation levels and reasons for disruptions on the shopfloor
- Customer need for small batches required extremely high levels of flexibility in production

THE ENGAGEMENT

Digitalisation of production processes

- Comprehensive assessment of machines, processes, resources and costs
- Development of a digitalisation strategy
- Introduction of a system for connecting machines, independent of manufacturer – both machines with digital interface as well as retrofit solutions for old machines
- Connection of 10 machines to an open IoT platform
- Display and analysis of production data (capacity utilisation, performance and faults) using responsive dashboards
- Support with change management

THE BENEFIT

Long-term productivity enhancements and transparency on the shopfloor

- 50% reduction in stocks of semi-finished and prefabricated parts
- 43% reduction in throughput times
- 20% improvement in reliability of deliveries
- Real-time data form the basis for optimised shopfloor management