

SUCCESS STORY

# TRUMPF brings IoT to manufacturing



TRUMPF harnessed the power of IoT to bring its Industry 4.0 vision to manufacturing

TRUMPF



A strategic serverless AWS manufacturing platform



All Edge devices are managed remotely



Built from scratch in 18 months

CLOUD INNOVATION



DATA ENGINEERING



IOT PLATFORMS



THE CHALLENGE

## Implement a real-time manufacturing ecosystem

- TRUMPF embraces data as a factor of production and a key element of business process improvement and having the right data is crucial to make just-in-time management part of business as usual.
- To bring its real-time vision to life, TRUMPF required some bespoke technology to enable an Edge device (industrial PC) to act as the beating heart of an IoT-driven manufacturing ecosystem while being managed remotely.

THE ENGAGEMENT

## A strategic solution based on continuous development and testing

- GFT designed, built and implemented a bespoke solution, as a customised version of Ubuntu Server operating system, using Agile methods and continuous delivery on a serverless AWS architecture.
- With the new system, TRUMPF can automate the set-up of all cloud IoT Edge devices, customise and upgrade individual IoT Edge devices. and maintain a continuous delivery pipeline for all exposed APIs.

THE BENEFIT

## A step-change improvement in efficiency and control

- The new solution, which was delivered in 18 months, empowers TRUMPF to focus on writing its own software products free from the worry of managing operating systems.
- With a serverless AWS architecture, business processes can be built and shaped continually using accurate real-time data. New features can be deployed quickly on premises and cloud delivering more value in less time, while pay-as-you go pricing avoids the need for regular substantial investment.