

CASE STUDY

Gestamp

Connecting Industry

Gestamp's smart factory is modelled on the digital twin concept: the plant has a virtual replica that can be used to optimise production processes and provide invaluable input for decision-making. We achieved this by connecting its physical components using 5G, so that data from its various systems could be captured and processed in real time.

Using Multi-Access Edge Computing (MEC), we were able to bring data processing closer to our client. This means that the data gathered from industrial equipment can be leveraged to produce a smarter model that provides the most accurate possible picture of the company's operations, so it can evaluate situations and make more informed decisions.

Key background:

Integrating **5G technology** is part of a process unfolding at a time of immense disruption in the automotive sector, with new breakthroughs in networked electric cars.



Objectives:

To oversee the company's **digital transformation**, developing the prototype for a smart, connected factory that allows it to respond more flexibly to specific client needs.



Benefits:

By coupling 5G with edge computing, we can pair each of the factory's physical components with a **virtual model** stored in the network. This technology offers a key advantage when it comes to agile and targeted decision-making.



Outcomes:

Our solutions allowed the factory to attain lightning-fast 5G speeds. As a result, it was able to benefit from digital twin technology, hosted in a completely **secure and optimised environment** on our edge computing network.