SMARTIA

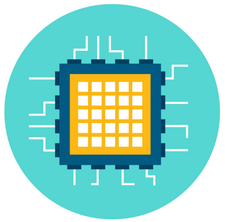
A new dimension in industrial intelligence

Smartia | Industrial AI technology

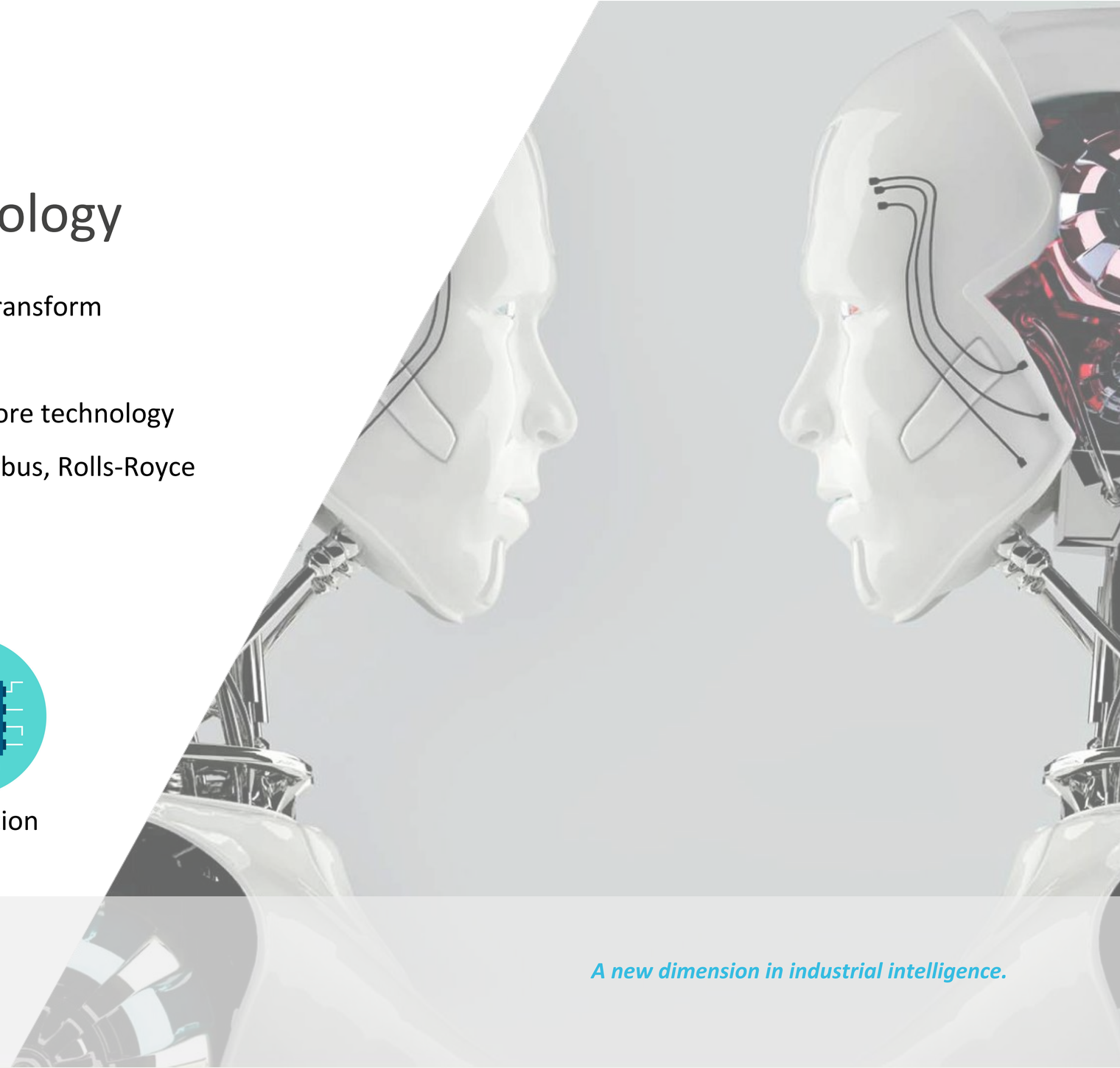
- Providing scalable AI solutions that connect and transform industrial data into actionable insights
- MAIO, an Industrial Intelligence Platform, is our core technology
- World leading team of engineers from Google, Airbus, Rolls-Royce and Morgan Stanley
- Headquarters in Bristol

Data Science

Software Development



Automation



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“90% of the world’s data has been created in the last 2 years alone. Most companies only analyse 12% of the data they hold.”

Problems we are trying to solve...

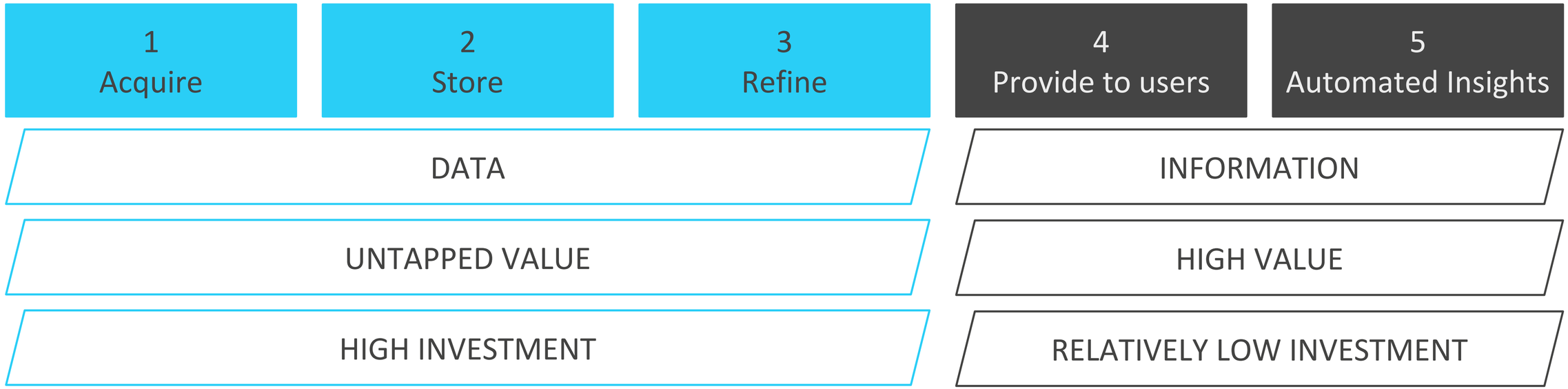
Everyday, huge amounts of **valuable data** from industrial assets remain **largely unexploited!**

Why?

Diversity of assets
Data silos
Uncertain value of data
Lack of data science skills
Large initial investment

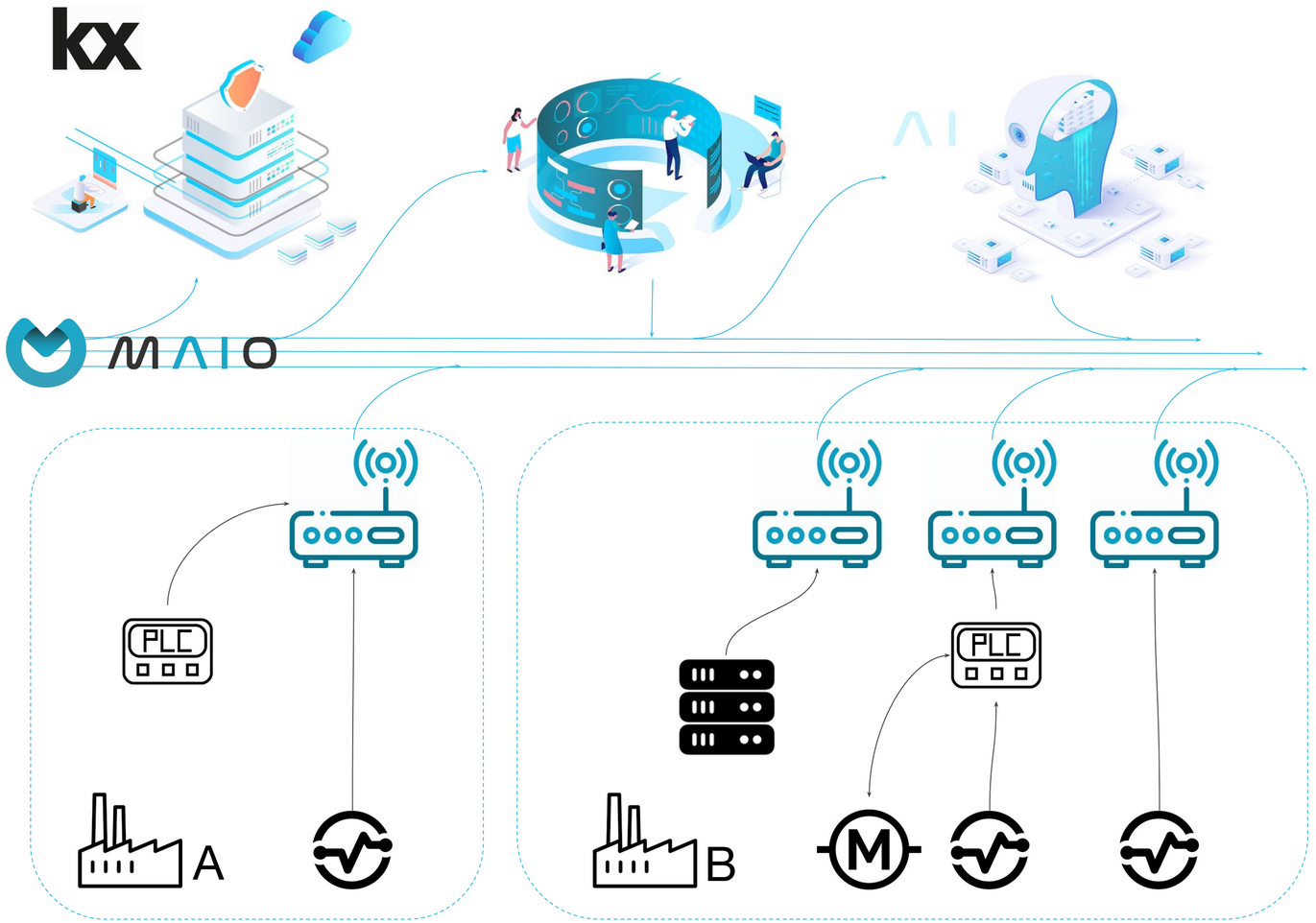
Investment v Value

Data is like crude oil and requires processing before it becomes a valuable product. Gaining information and insights from data is where the actual value lies, however the current investment required in technology is the inverse to the value proposition. Smartia aims to change this with M**AI**O.



Industrial Intelligence Platform

The vision for **MAIO** is for it to be the digital framework connecting industrial assets and intelligent applications that unlock untapped value from organisational data



MAIO addresses the end-to-end value chain

We closely partner with our customers to help them develop solutions that address their business objectives

Connectivity Specs	Gateway(s)	MAIO Hub On-premise / Cloud	Smart Applications	Actionable Insights

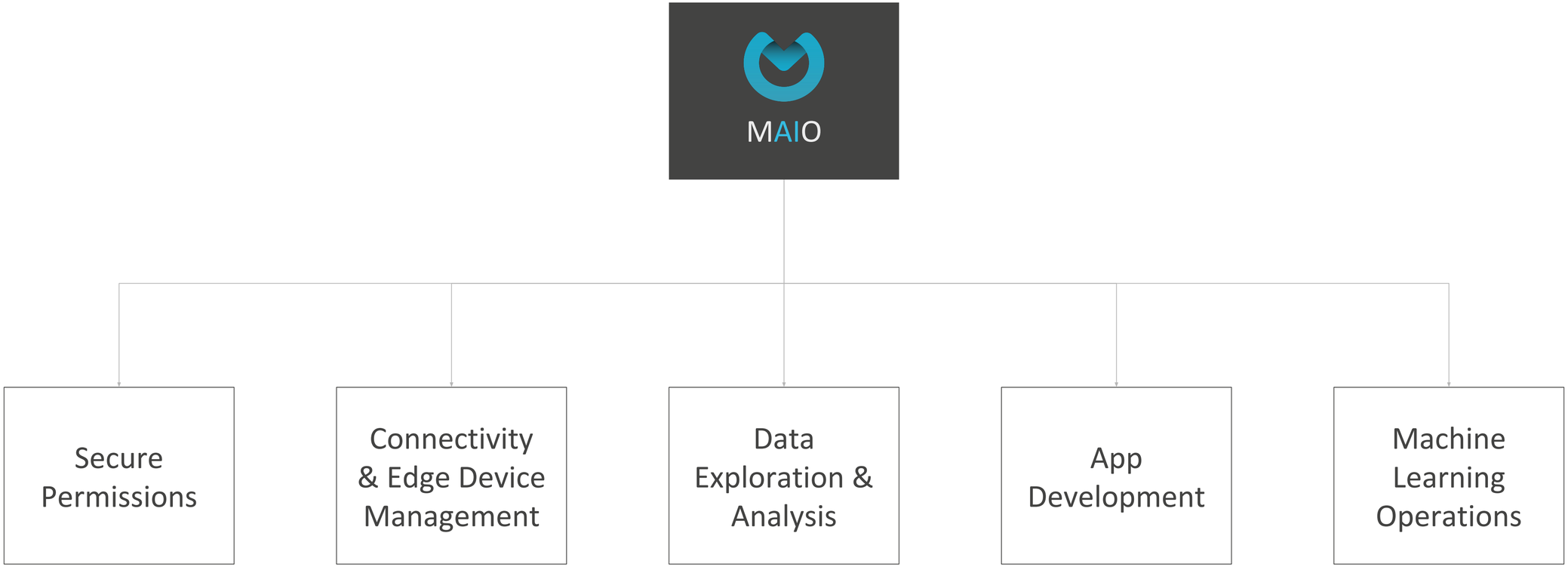
MAIO - Software as a Service

Your industrial assets hold “secrets” related to data correlations, trends, anomalies, deviations, root causes, and other key operational information. This lack of insight leads to lower quality rates and production inefficiencies.

By analysing and presenting data for actionable use, companies improve business decisions. MAIO was designed with this goal in mind.

Our starter kit provides a low cost entry level solution that can help you on your journey and deliver real operational insights.

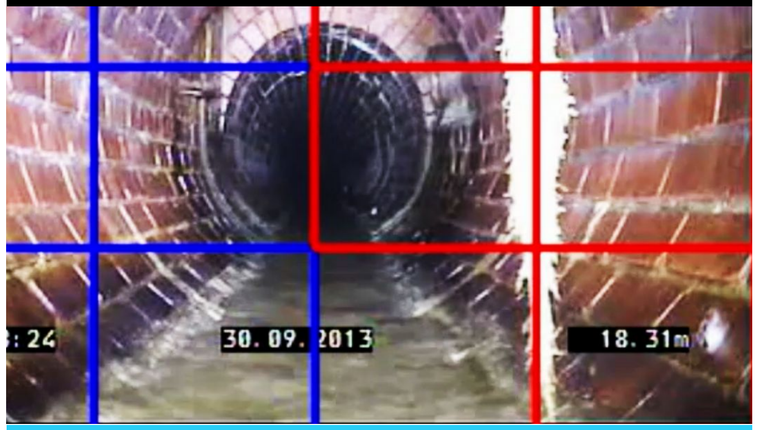
MAIO Features



Smart Applications
[Case Studies]

Fault detection

Predicted different sewer defect types using computer vision

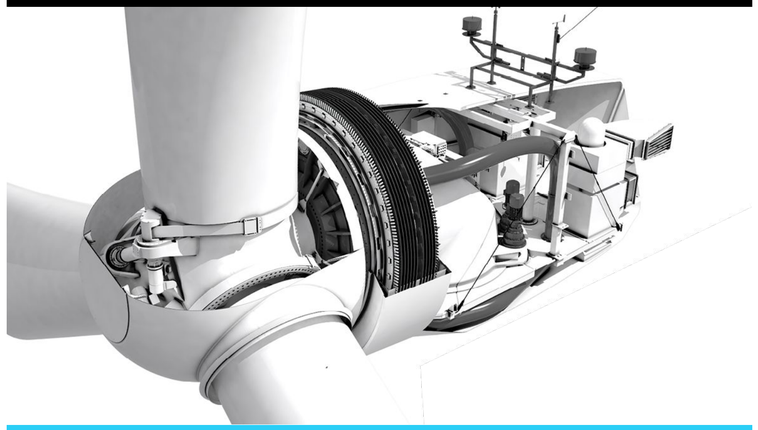


3X

coverage in a single day

Predictive maintenance

Predicted wind turbine gearbox faults using data from SCADA and CMS



£150,000

operational savings per turbine

Inventory optimisation

Optimised inventory planning by forecasting lead times

£1M

cost savings in 1 quarter

Process monitoring

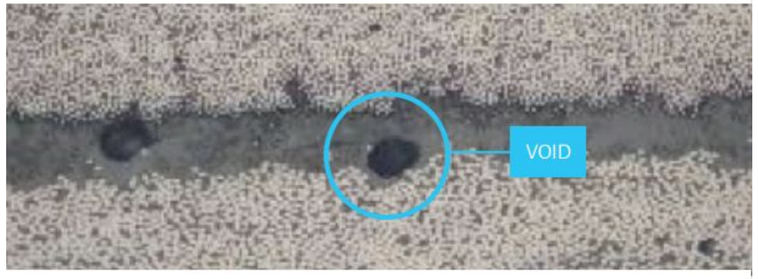
Predicted process failures during the curing stage of composite manufacturing

£100,000

savings per part

Quality control

Automated quality inspection of parts using computer vision



Structure contains voids

6 days to 2 hrs

decrease in inspection time

Energy usage optimisation

Developing energy optimisation models for data centres

~ 40%

reduction in energy bills

Smartia

We help drive value from your industrial data.

Want to learn more?

Contact us

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