Accelerate your Data-Driven Manufacturing with Snowflake

DATA festival

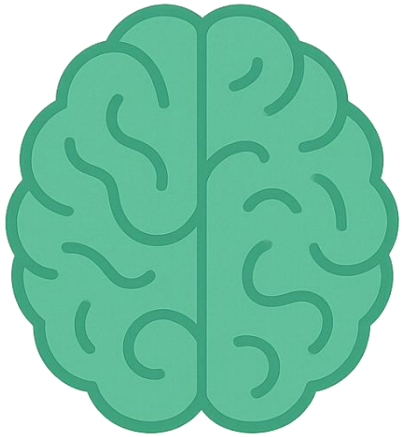
one step ahead in **INTELLIGENT** production systems

FFT Digital Factory – Who we are

Digital solutions for intelligent manufacturing

DataBridge by FFT Digital Factory

snowflake



App development

Shaping and driving innovation with edge devices

Fast to start, quick to value – measurable results with just one edge device.

Professional Service – the driver of successful digital transformation

Our Professional Service team boosts productivity, streamlines processes and builds the foundation for lasting business success.

Technical & Organizational Barriers for closing IT/OT-GAP

Protocol & Architecture Mismatches

System Integration Barriers

Historical Isolation

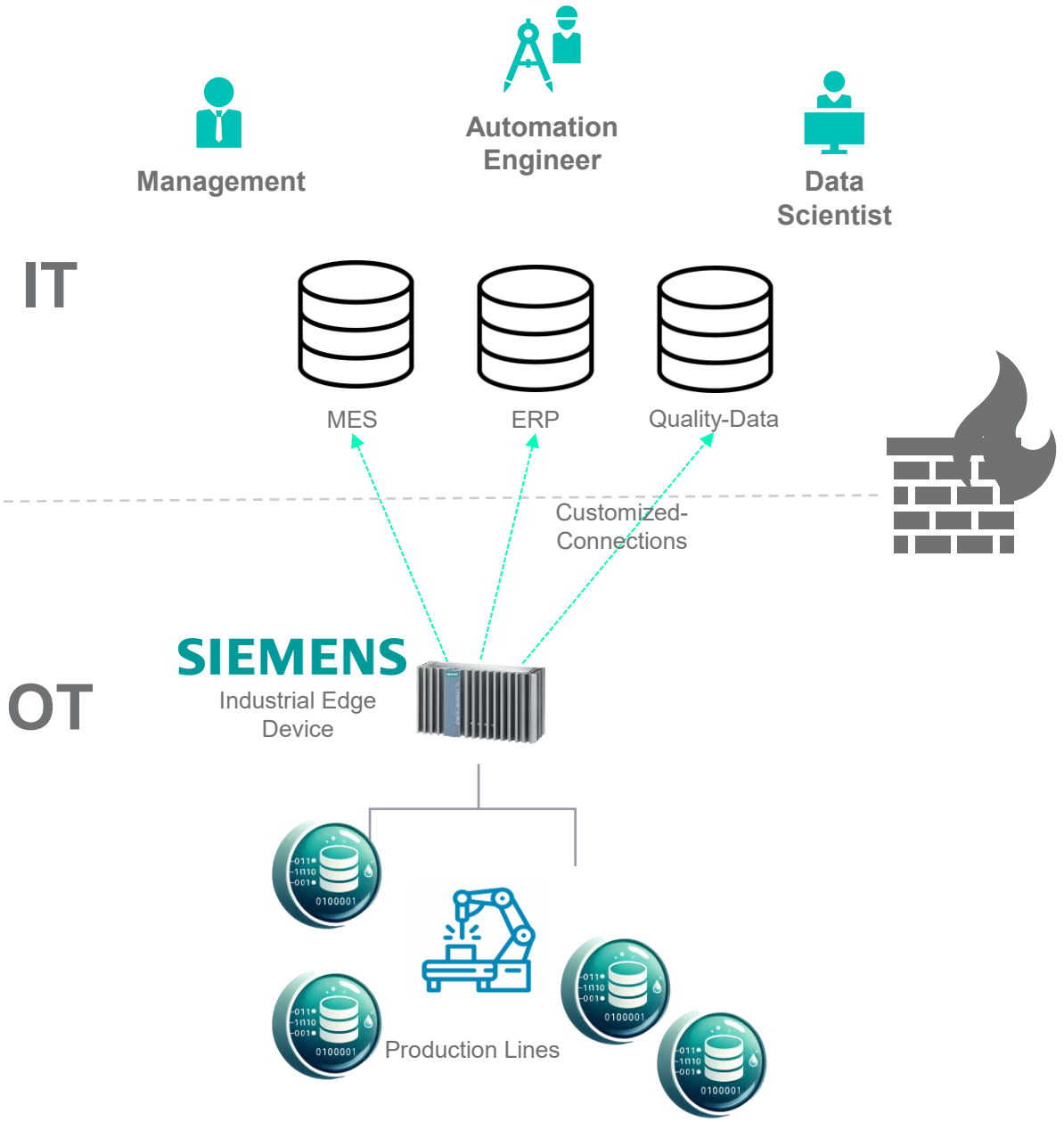
Skills & Knowledge Gap

Analytics

Siloed data — collected but not interconnected

Data from the production lines

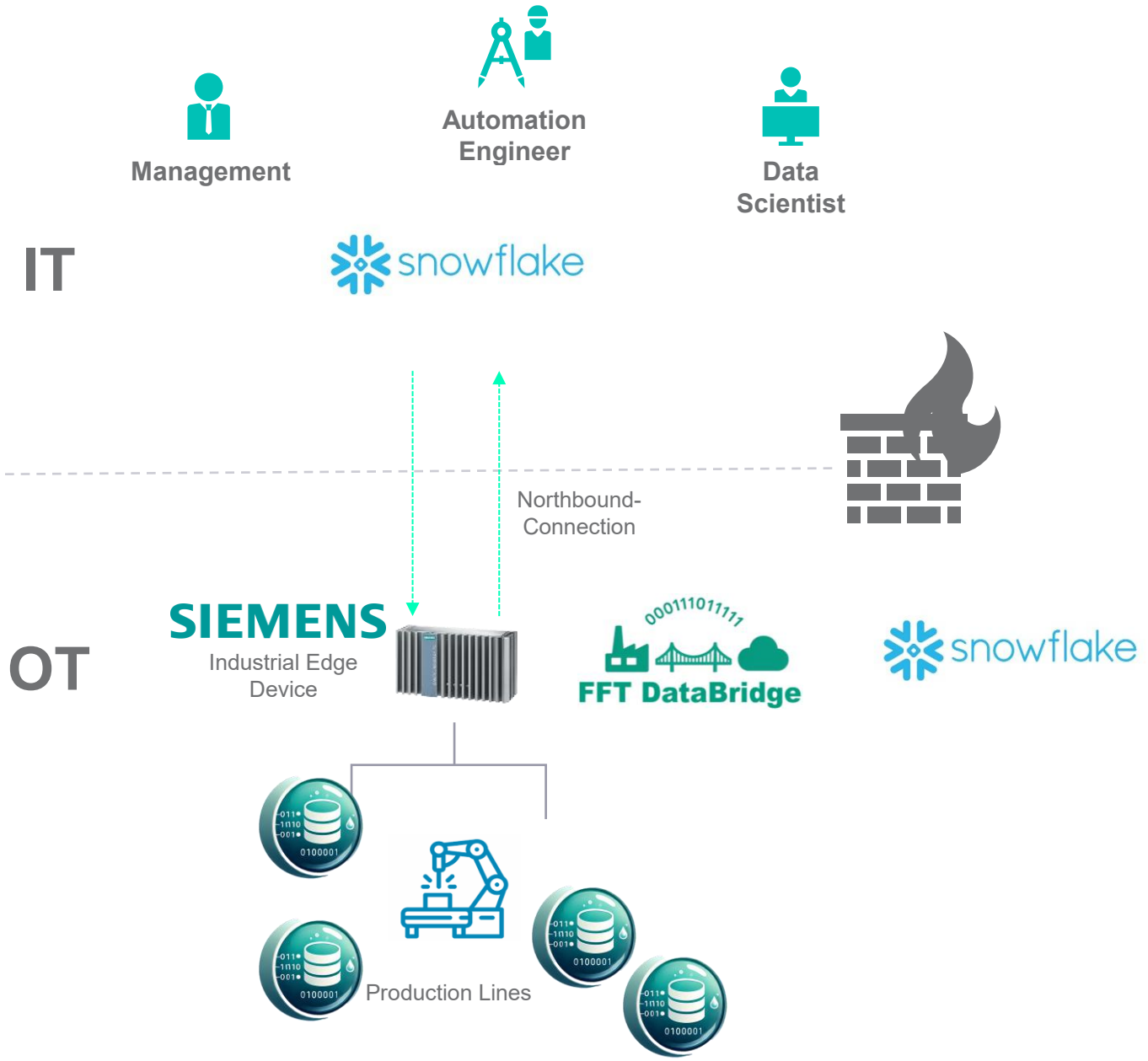
Manufacturing data is raw and isolated, with no relationships.



DataMesh by FFT

Analytics

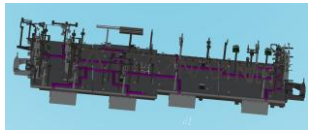
Empower every team member to drive Industry 4.0 initiatives with self-service analytics.



Data as a Product

Transform raw manufacturing data via FFT-Connector to the Snowflake Data Cloud

Create your own Data Supermarket



Design & Engineering

Create specifications with built-in manufacturability insights

Optimization

TensorFlow

Feed production insights back to improve future designs

Production

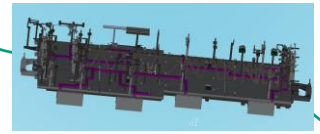
FFT DataBridge

Capture real-time performance against design parameters with FFT Snowflake Connector

Analytics

ERP-Systems

Compare actual outcomes to intended specs using Snowflake's unified platform



From Data to Value: Shopfloor Intelligence with FFT Digital Factory x Industrial Edge x Snowflake

FFT

FFT DataBridge

Snowflake Data Workloads

Professional Services: FFT, Snowflake, Partner

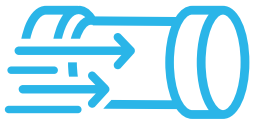
Production lines

Produce data

Industrial Edge

Collect & process data

Snowflake Connector



Send data

Snowflake Data Cloud

snowflake DATA CLOUD

Store & transform data

DIGITAL FACTORY APPS

Use data

FFT DataBridge Performance

100 Mio.

Total Datasets

2 Mio.

Datasets buffered after connection lost

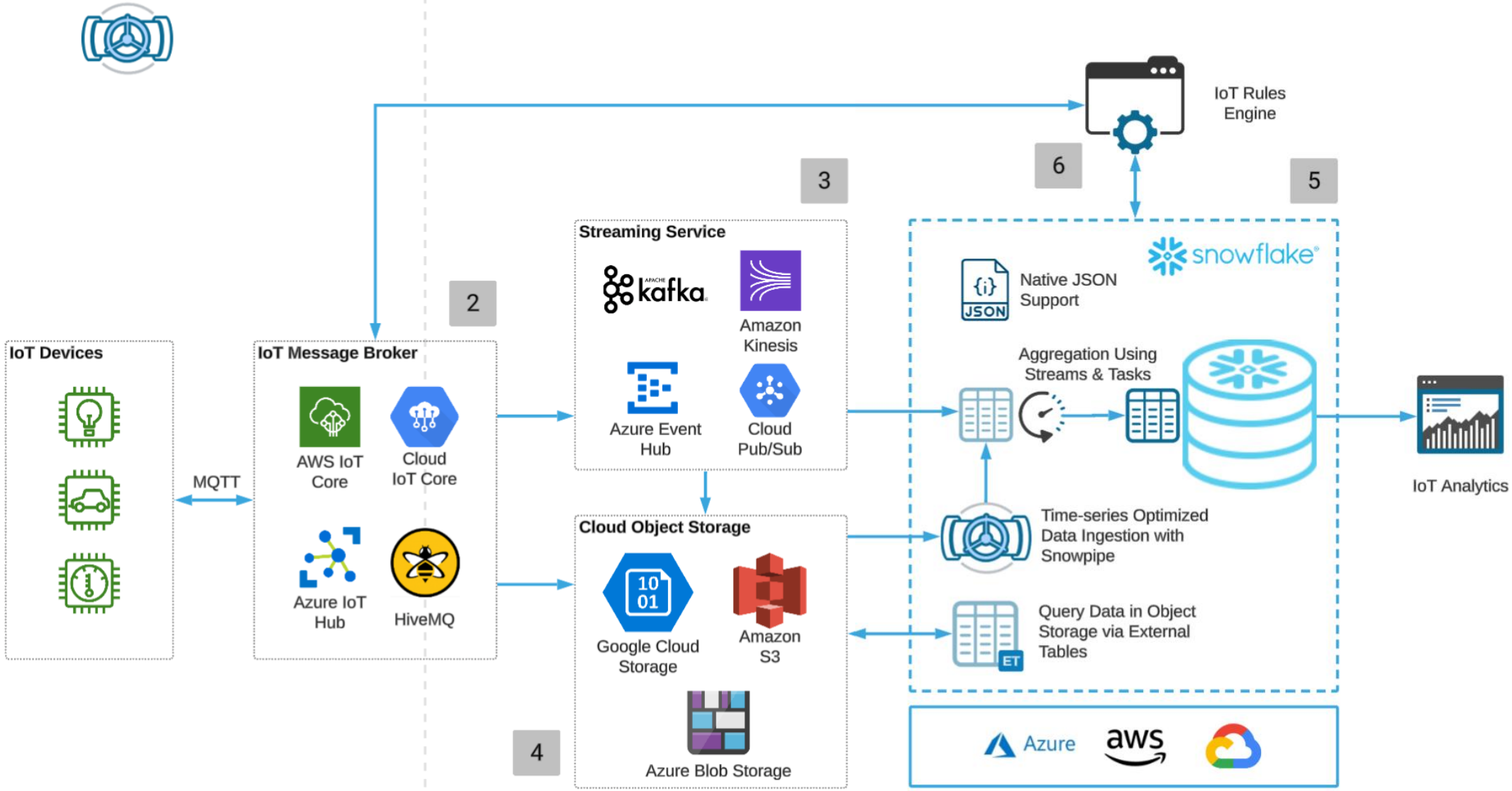
10 Minutes

Buffering for 2 Mio. datasets

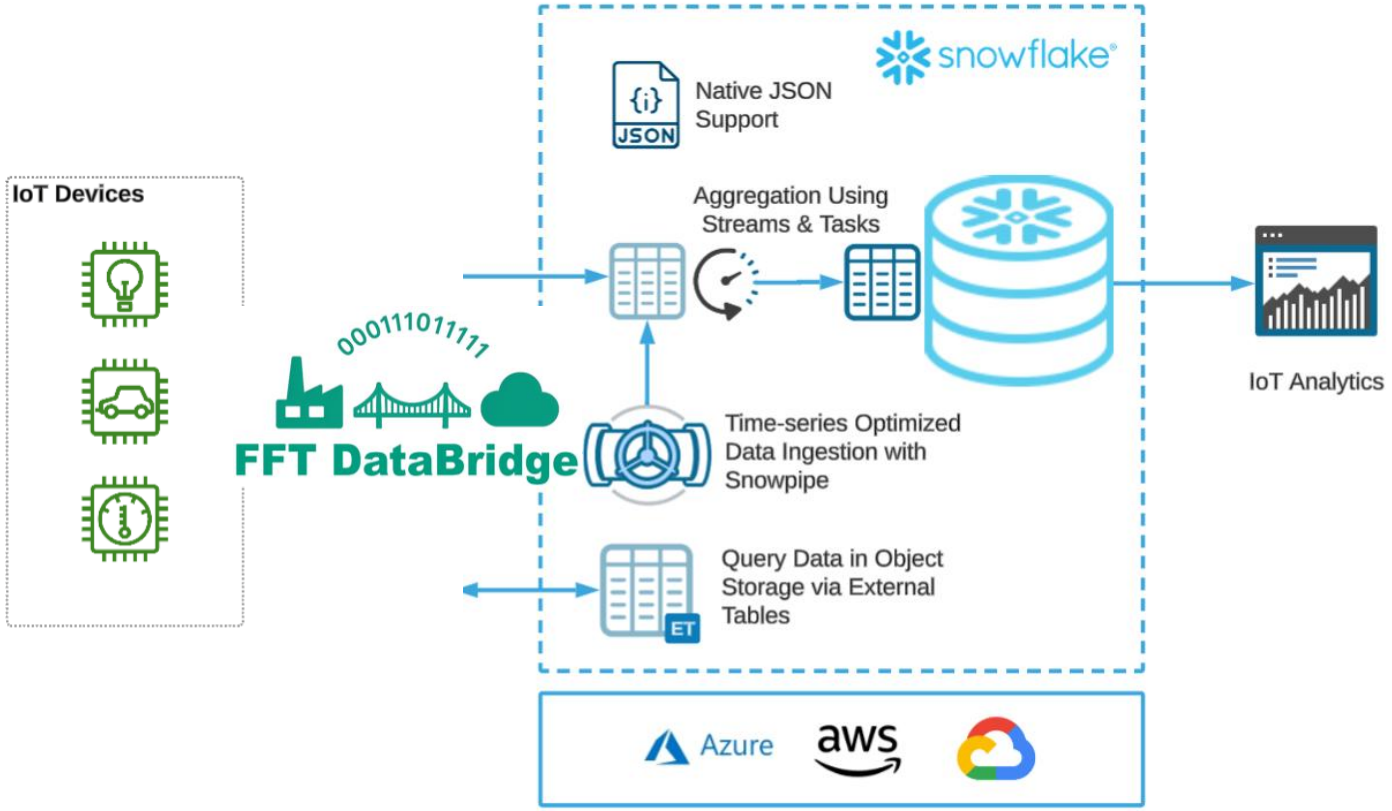
0,12 credits

Costs for data transfer of 2 Mio. datasets

The era before FFT DataBridge



The era after FFT DataBridge –
NO IoT Message Broker or Streaming Service



SOLVE CHALLENGING MANUFACTURING USE CASES WITH SNOWFLAKE

Smart Manufacturing

1. Real-time, unified view of shop floor data
2. Data-driven optimization of production processes
3. Continuous improvement through advanced analytics

ZEMENT-UND KALKWERKE
OTTERBEIN
WIR BRINGEN STEINE ZUM LEBEN

DATA-DRIVEN MANUFACTURING INSIGHTS @ OTTERBEIN

snowflake
FFT

“Every process tells a story. We help you listen, learn and act. Because your machines already know the answers – we help you bring their insights to life.”

— Marco Bizjak, Head of CoC Digital Factory

PROBLEM

- At the Otterbein cement and lime plant, the stone crusher experienced frequent downtimes and inconsistent throughput.
- The crusher did not adapt automatically to varying material properties, resulting in efficiency losses and unplanned stoppages.
- Although process data was available, there was no structured analysis or automated control to leverage these insights for optimization.

SOLUTION

- FFT analyzed the crusher’s operating behavior using historical process data to identify key control parameters.
- Based on this analysis, FFT developed an **adaptive control system** that continuously adjusts the crusher in real time—depending on material flow, load, and energy consumption.
- The new control logic was fully integrated into the existing system and operates **autonomously**, requiring no manual intervention by plant operators.

RESULTS

Improved equipment availability
The adaptive control reduced **downtime by 40%**, significantly increasing the crusher’s utilization rate and overall production efficiency.

Data-driven optimization and future readiness
The continuous data collection now enables **predictive maintenance** and ongoing process improvements. This project also established a strong data foundation for automating additional process stages in the plant.

The journey to becoming an AI-Driven Company with FFT DataBridge: Link

The journey with Snowflake starts now!

13.11.2024

First meet up at Data Perfomance Days (INFOMOTION)

10.02.2025

Deployed the Snowflake Connector by FFT

19.03.2025

Official Part of the **Snowflake Partner Network**

26.03.2025

Meeting with the Dr. Michael Gerstlauer

02.04.2025

Presentation at the Hannover Fair with Siemens & Snowflake

29.04.2025

Officially hosted a Snowflake Account

15.09.2025

DataBridge by Digital Factory official at the Siemens Marketplace

01.10.2025

Snowflake World Tour Berlin

THANK YOU

Contact us:

one step ahead in **INTELLIGENT** production systems