crosser

WHEN MACHINES TALK™

Unlock Significant Value from Machine and Process Data

THE CHALLENGE

All over the world, machine builders and manufacturers are struggling with their Digital Transformation. Like you, they know there is value in the data generated by their assets. And that their customers and suppliers, are demanding to improve, optimize, and innovate both machines and business models.

What is stopping them from doing so?

A huge barrier is a limitation to do real-time processing of data at the edge. And by processing, we mean all activities you want to do with your data like, for example, to Read, Transform, Enrich, or even run Machine Learning at the edge.

There is the aim to shorten time to value, minimize project risks, optimize cost structures, and generate savings. All needs to happen at the same time without delay.

In other words, we are talking about a complex endeavor.

WHY COMPANIES CHOOSE CROSSER

Crosser makes Industry 4.0 and IoT easier to implement, cheaper to run, and, most of all - easier and less expensive to maintain.

Crosser runs at the Edge - close to were the data is generated. Typically that is a machine, PLC, gateway, or even the cloud.

The real-time processing at the edge enables insights and triggers actions.

Examples of insights is KPI:s and anomaly detection using Machine Learning models. These insights are turned into values like:

- Overall Equipment Efficiency (OEE)
- Improved Customer Service & Satisfaction
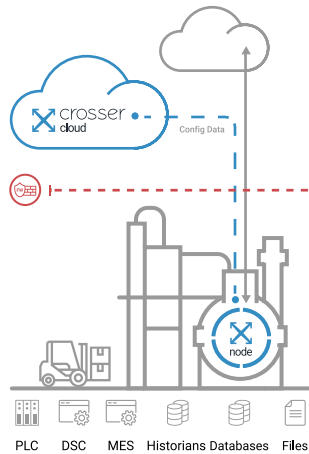- Flexible Maintenance Programs up to Contract Compliance

On top, companies from all over the world choose Crosser to overcome challenges with scarce bandwidth, cloud costs, latency, security, and scalability. Bridging OT, IT, and data science into one workspace.

> *We were looking for a strategic partner to quickly implement innovations and at thesame time react flexibly to our requirements. The philosophy and corporate culture of Crosser and GEBHARDT match perfectly. Crosser reacts quickly and comprehensively to our wishes and requirements"* - **Karl Denz CIO, GEBHARDT Fördertechnik.**

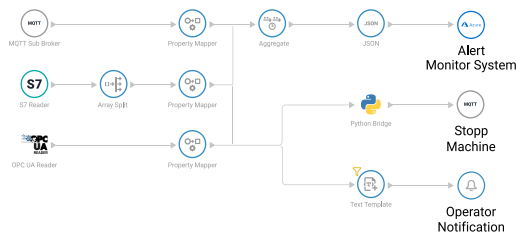## CROSSER IS A LOW CODE EDGE ANALYTICS & INTEGRATION PLATFORM

The solution consists of two parts: Crosser Edge Node and Crosser Cloud

Edge Analytics is about processing data close to the assets, to enable real-time processing and integration to other machines, systems, or services.

THE CROSSER EDGE NODE

A real-time processing runtime that runs close to the sources of data. This is where data is collected, analyzed, acted upon, and integrated with different endpoints on the shop-floor, on-premise data centers, or into the cloud.

Example of an Edge Analytics data flow built with Crosser Flow Studio modules

THE CROSSER CLOUD

Crosser Cloud is the control and design center. No operational data is sent here, only configuration and status info.

Crosser Cloud runs two ground breaking services: The Crosser Flow Studio and Crosser Edge Director.

CROSSER FLOW STUDIO

The Flow Studio is a visual design tool with a drag and drop interface to build IoT data flows by connecting modules from a library of more than 100 standardized logical units that you can configure and customize. The tool allows end-users (incl. non-developers) to design, deploy, and manage data flows with ease.

CROSSER EDGE DIRECTOR

The Edge Director covers several critical aspects related to life cycle and management, allowing central management and deployment of the entire fleet of nodes. Node statistics and events are presented in the platform's dashboard.

CUSTOMER SUCCESS

The Crosser solution addresses a wide range of use cases due to its modular architecture:

CONDITION MONITORING & COST REDUCTION
Collect machine data & reduce cloud cost of up to 99% or more with, edge analytics and processing.

FACTORY FLOOR INTEGRATION
Integrate machine data, historians, SQL servers, ERP systems with triggers based on real-time data

ENHANCED AUTOMATION
Machine data analytics to trigger M2M automation with logic, including ML.

KPI:S FOR ENHANCED INSIGHTS
Use streaming analytics to dynamically generate KPIs based on sensor data and business logic.

VISION INSPECTION
Leverage off-the-shelf cameras, find anomalies and integrate triggers and automation.

> *Absolutely recommended! The most user-friendly edge processing software I got to know"*
> - Andre Aper, IT-systemadministrator, Bühler Group