SIEBTECHNIK TEMA

STReAM

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The digital module for preventive centrifuge maintenance

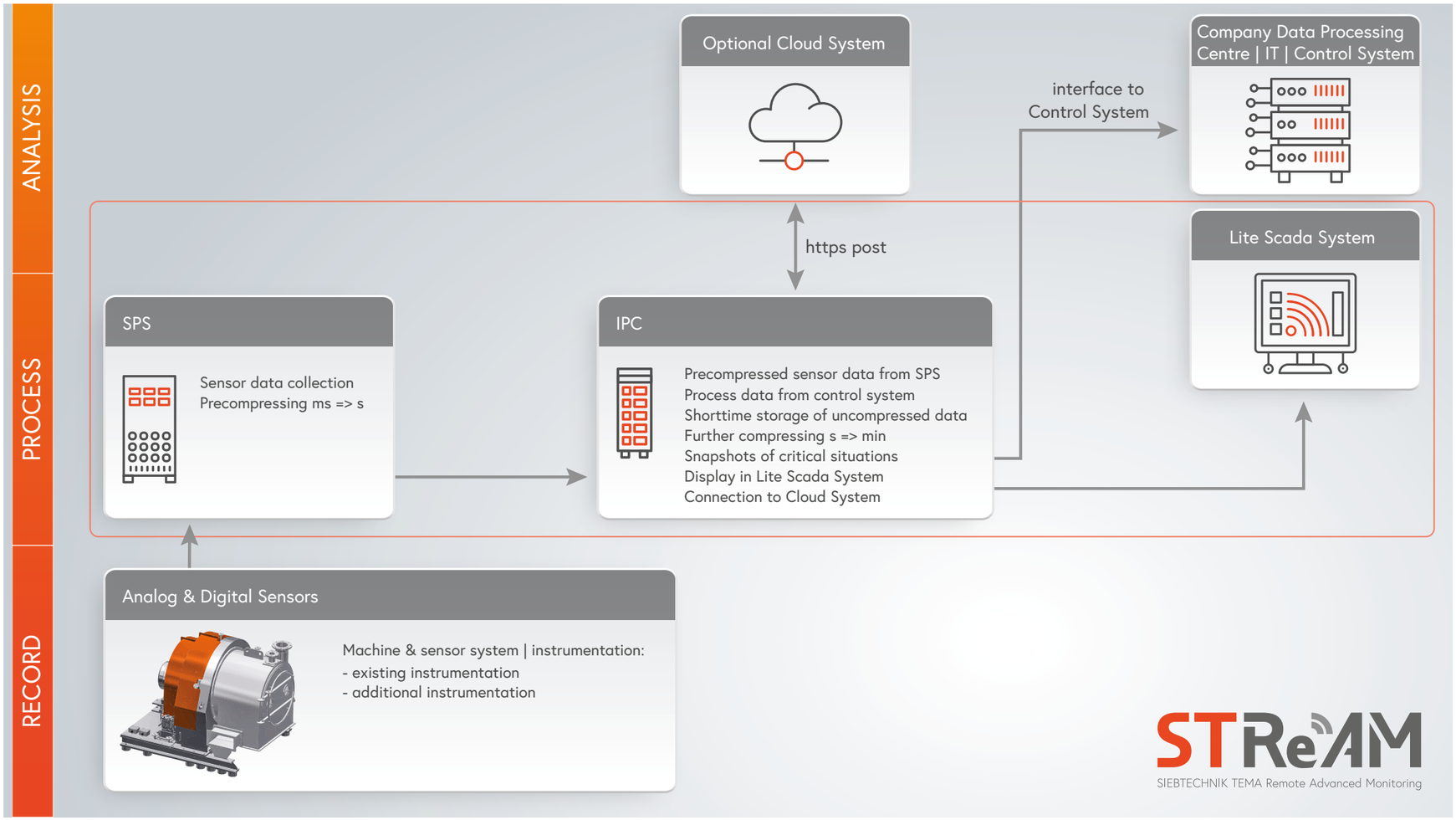
Safeguard machine operation and your corresponding production process!
With STReAM, SIEBTECHNIK TEMA offers an innovative and flexible tool for optimizing preventive maintenance & downtime planning.

Our centrifuges constitute key equipment in many facilities. They dewater, clarify and wash numerous products and make a highly efficient contribution to successful plant operation.

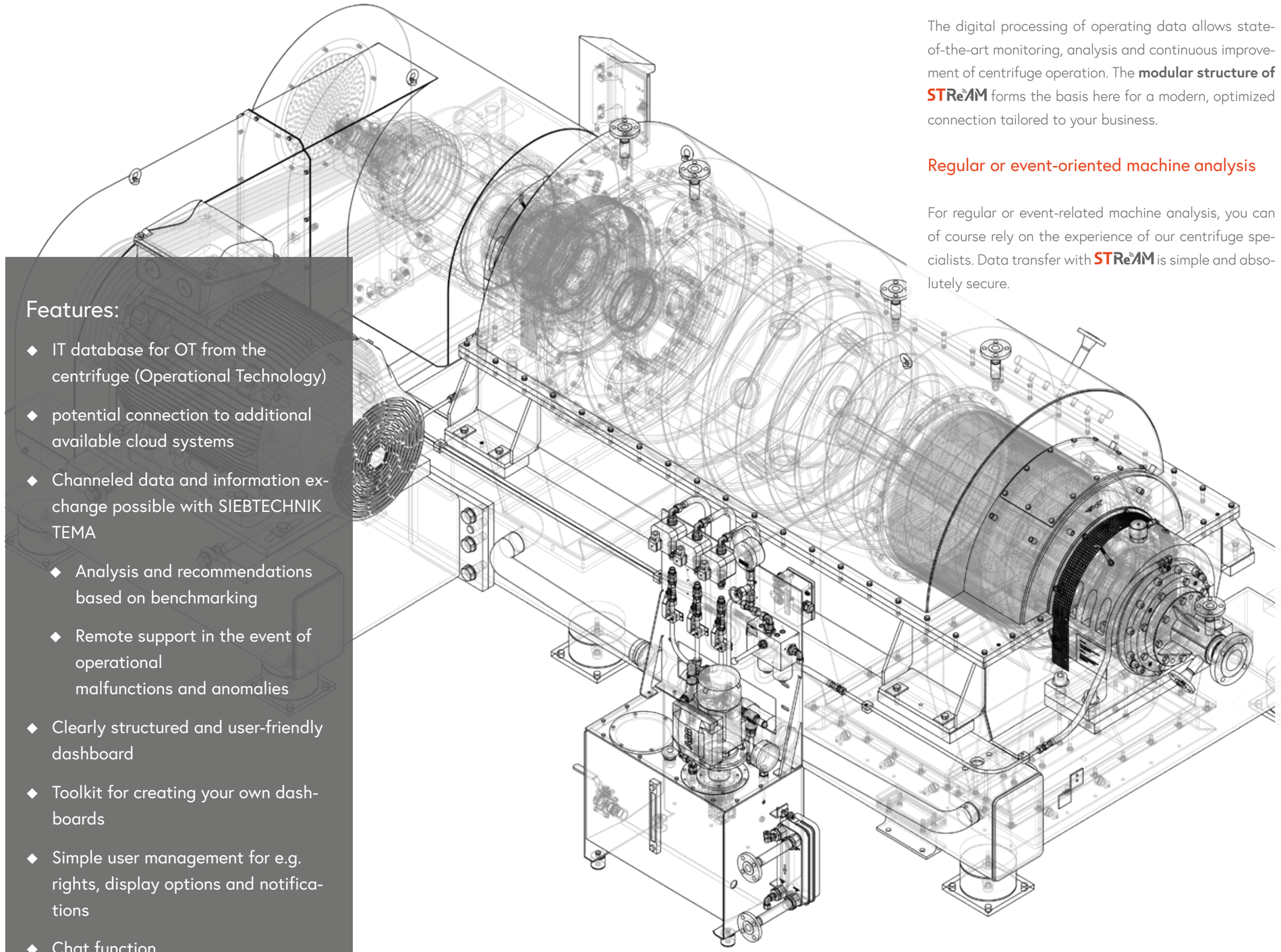
It is a top priority for our customers, and thus also for us, that production is safeguarded. Irregularities in operation need to be corrected as quickly as possible, before malfunctions or machine failure become possible. For decades we have been applying our expertise to supporting our customers in this field.

Nowadays, monitoring of centrifuge operation and early detection of malfunctions are indispensable steps in timely decision-making and to facilitate timely intervention. In many cases, extensive sensor technology is already in use for continuous monitoring of machine operation. Often, however, there is a lack of suitable processing and correlation of data to permit appropriate analysis. A systematic digital solution is required.

With STReAM, SIEBTECHNIK TEMA offers an innovative and flexible tool for optimizing preventive maintenance and downtime planning, thus safeguarding machine operation and your corresponding production process.



MODULAR STRUCTURE



Features:

- IT database for OT from the centrifuge (Operational Technology)
- potential connection to additional available cloud systems
- Channeled data and information exchange possible with SIEBTECHNIK TEMA
  - Analysis and recommendations based on benchmarking
  - Remote support in the event of operational malfunctions and anomalies
- Clearly structured and user-friendly dashboard
- Toolkit for creating your own dashboards
- Simple user management for e.g. rights, display options and notifications
- Chat function

Digital processing of operating data

The digital processing of operating data allows state-of-the-art monitoring, analysis and continuous improvement of centrifuge operation. The **modular structure of STREAM** forms the basis here for a modern, optimized connection tailored to your business.

Regular or event-oriented machine analysis

For regular or event-related machine analysis, you can of course rely on the experience of our centrifuge specialists. Data transfer with **STREAM** is simple and absolutely secure.

Structure & functionalities

- Autonomous sensor data box, independent of the main control system/switchboard
- iPC Edge Computing: On-site data storage and visualization
- Online dashboarding and long-term storage
- Interface/data provider for MES, ERP, cloud services (additional costs may be necessary)

STREAM records the machine's own centrifuge sensor technology and, if desired, also specific process sensor technology relevant for operation of the machine. The machine data is digitalized, the operation of your centrifuge can thus be analyzed transparently and regularly, even live. The cloud monitoring database operates in real time.

You have control over your data!

Full ownership of the data naturally lies with you! You retain all rights, titles and interest in your data.

Strict compliance with applicable norms and standards

- NIST SP800 certified
- State-of-the-art technology & security procedures
- Regular cybersecurity audit with regular penetration tests and code scans (based on ISO 27001, IEC 62443)
- Secure Development Life Cycle (SDLC)
- MS Azure cloud security

Easy integration into customer networks

- 443 port (standard https)
- Fixed IP address & domains
- TLS encryption

SIEBTECHNIK TEMA

100 YEARS | TAILOR MADE

1922 - 2022

SIEBTECHNIK TEMA offers an extensive product portfolio for a wide range of industries around the world.

As a renowned OEM & system supplier, our group of companies specializes in mechanical engineering, process engineering, components and services. Customized solutions, precisely tailored to the needs of our customers, have been the key to our success for 100 years.

We are experts in the field of solid-liquid separation and processing of bulk mineral materials – with more than 50 local sales offices and representatives worldwide.

Our product portfolio comprises:

Automation Solutions | Decanters | Conveyor Chutes | Gas Pycnometers | Sliding Centrifuges | Control Screening Machines | Laboratory Equipment | Sampling Plants Sample Preparation | Pneumatic Post Systems | Setting Machines | Screening Machines | Screen Scroll Centrifuges | Pusher Centrifuges | Vibratory Centrifuges | Dryers Shredding Machines/Plants

SIEBTECHNIK GmbH | Platanenallee 46 | 45478 Mülheim a.d. Ruhr
GERMANY | www.siebtechnik-tema.de | sales@siebtechnik.com

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