ConSENSE

Advanced AI-driven Solution for Concrete Production Control and Concrete Quality Prediction.

dHIVE SENSOREN DATEN WISSEN

G.tecz

ConSENSE

Advanced AI-driven Solution for Concrete Production Control and Concrete Quality Prediction.

ConSENSE revolutionizes concrete production with cutting-edge AI technology. By integrating state-of-the-art sensors and soft sensors, our system continuously monitors production machines to predict machine status and forecast concrete quality in real-time.

Facility managers gain unprecedented control over the production process, enabling them to optimize quality, minimize waste, and ensure consistent performance.

With ConSENSE, you can confidently meet and exceed quality standards while maximizing operational efficiency.

Experience the power of predictive analytics and take your concrete production to the next level with ConSENSE.

Seamless Integration

ConSENSE can be effortlessly embedded into existing machines and control units, minimizing disruption to your current operations.

Flexible Sensor Integration

With the ability to incorporate additional sensors and soft sensors, ConSENSE adapts to your specific production needs and requirements.

Comprehensive Data Logging

Sensors capture a wide range of data including energy consumption, engine power, temperatures, pressure, and more, providing a holistic view of your production process.

Intuitive AI Interpretation

Through AI-driven analysis, ConSENSE interprets logged data to monitor machine condition and predict concrete properties with ease and accuracy.

Cloud Storage Convenience

Data is securely stored in a cloud service system based in Germany, ensuring accessibility, reliability, and compliance with data protection regulations.

ConSENSE ADVANTAGES

- **Enhanced Quality Control**
  You benefit from real-time monitoring and analysis, ensuring consistent quality throughout your production process.
- **Predictive Maintenance**
  With machine status predictions, you can proactively schedule maintenance, minimizing downtime and maximizing operational efficiency.
- **Optimized Production Processes**
  Fine-tune your production processes based on real-time data insights, leading to higher productivity and cost savings.
- **Reduced Waste**
  Predicting concrete quality during production helps you minimize waste, resulting in cost savings and environmental benefits.
- **Improved Resource Allocation**
  Gain better control over resource allocation, optimizing material usage and manpower for increased efficiency.
- **Streamlined Operations**
  Centralized control and monitoring simplify your operations, reducing the likelihood of errors or inconsistencies.
- **Data-Driven Decision Making**
  Make informed decisions based on comprehensive data analytics, leading to more strategic and impactful choices for your operations.
- **Greater Flexibility and Adaptability**
  Adapt to changing production conditions and requirements with our AI-driven capabilities, ensuring resilience and adaptability.
- **Compliance and Quality Assurance**
  Meet regulatory standards and quality assurance requirements more effectively by leveraging predictive capabilities and data documentation features.
- **Competitive Advantage**
  Gain a competitive edge in the market by adopting advanced technology for concrete production control, positioning yourself as an industry leader in innovation and quality assurance.

ConSENSE CASE

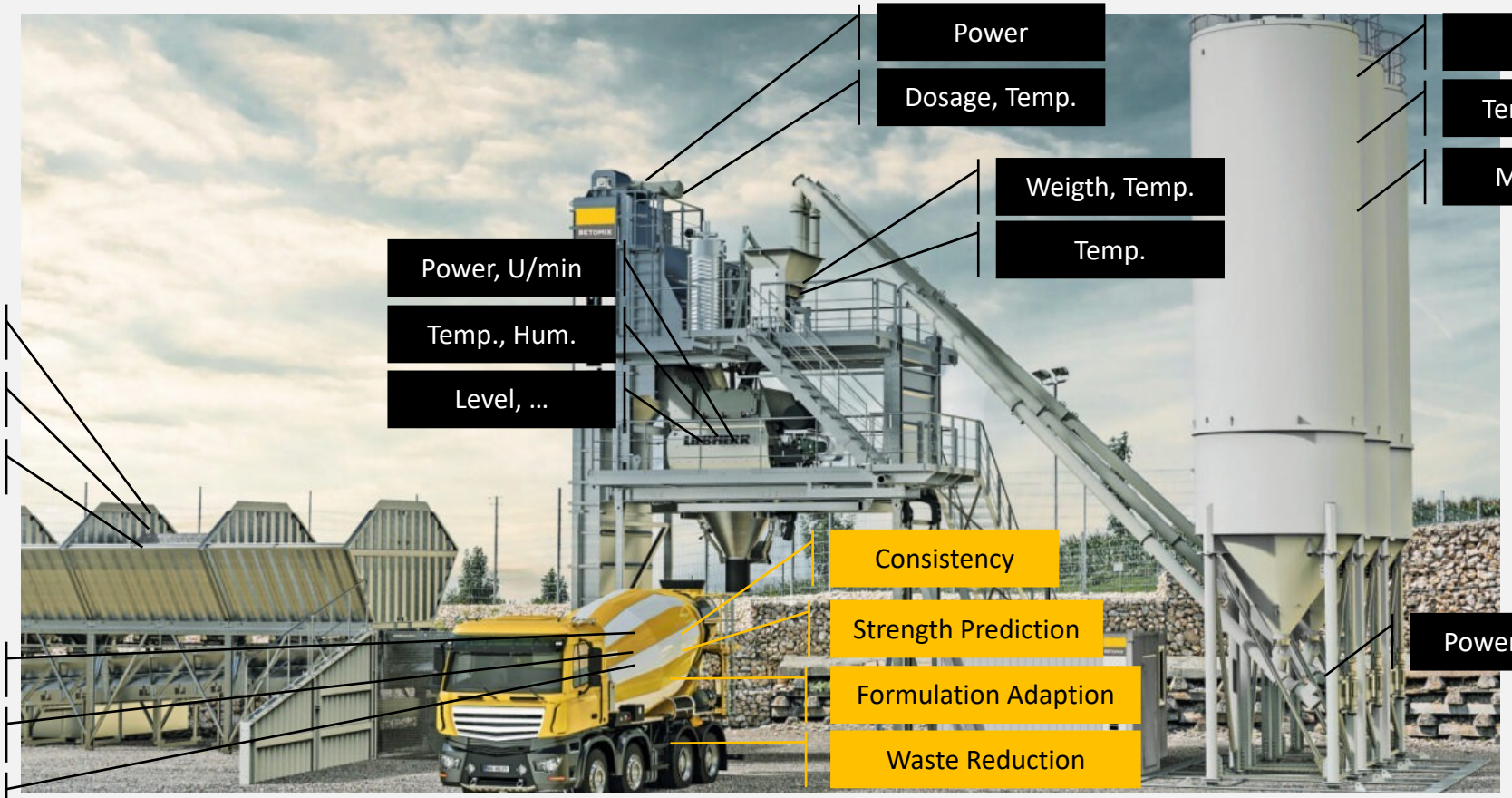
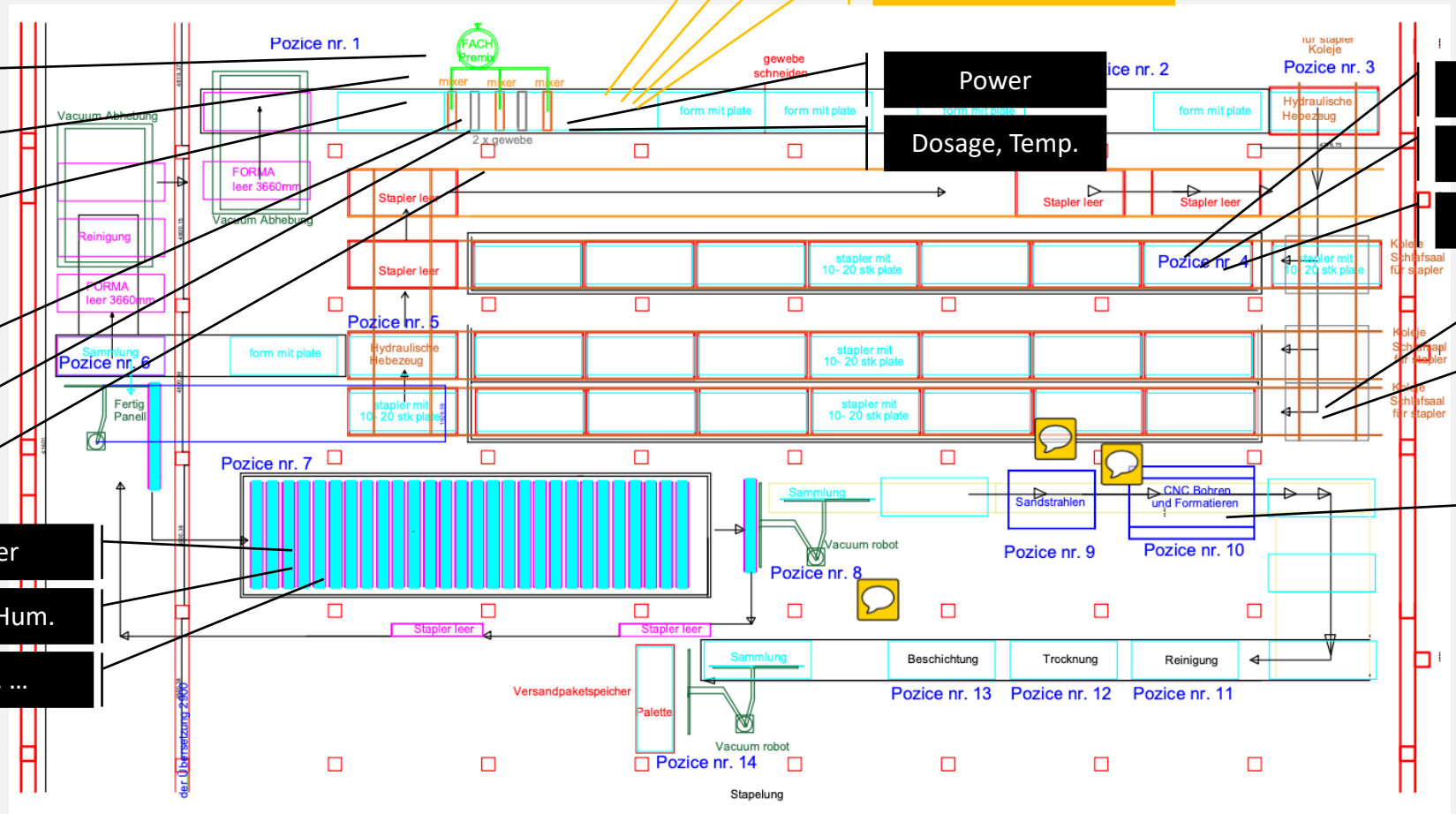


Bild: Liebherr

ConSENSE FACADE LINE

- Consistency
- Strength Prediction
- Formulation Adaption
- Waste Reduction



- Level
- Temp., Hum.
- Mat. Data
- U/min, Water
- Distance,…
- Temp,. Hum.
- Power
- Temp., Hum.
- Level, …
- Power
- Dosage, Temp.
- Level
- Temp., Hum.
- Mat. Data.
- Weigth, Temp.
- Temp.
- Power, U/min

Bild: Liebherr

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