

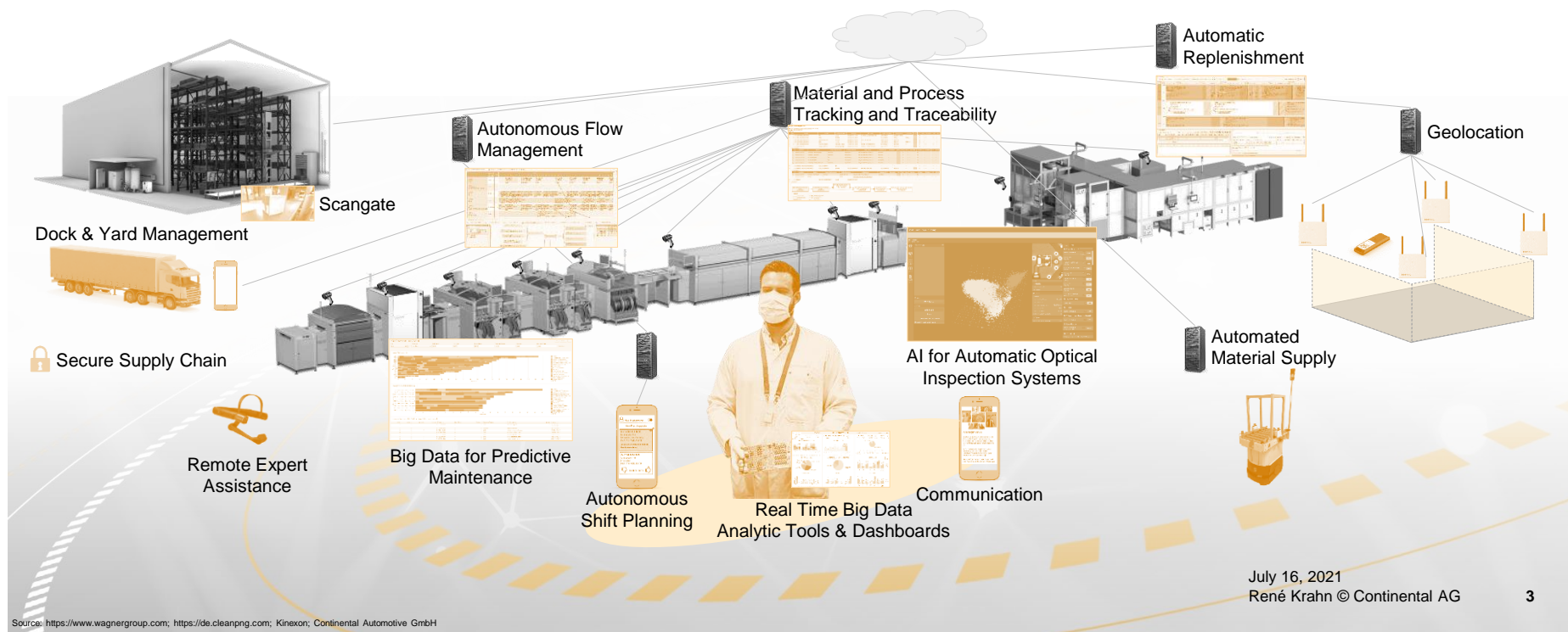


TechExperience **INDUSTRY 4.0**

# ***VIRTUAL PLANT TOUR REGENSBURG***

# Regensburg Electronic Plant

## Our Industry 4.0 Eco-System



July 16, 2021  
René Krahn © Continental AG

# Regensburg Electronic Plant

## Core Products



- › Body Control Unit
- › Gateway
- › Electric Ignition Lock
- › High Performance Computer



- › Electric Power Steering
- › Pressure and Acceleration  
Satellite Sensor
- › Pedestrian Protection Sensor



- › Manifold Absolute Pressure  
Sensors
- › Mass Airflow Sensors
- › NO<sub>x</sub> Sensors
- › Transmission Control System



# Regensburg Electronic Plant Overview



Approx. 2,234\*  
employees



Approx.  
20,700 m<sup>2</sup>  
of production  
space



More than  
140 million  
electronic units per  
year



Approx.  
11 billion electronic  
components per year

- › 24/7 production in 21-shift model
- › Quality: < 3ppm // Failure rate in production: < 0.5ppm

- › 750 suppliers
- › 85 customers
- › 706 delivery locations



# Autonomous Mobile Robot

## Autonomous Automated Guided Vehicle (aAGV)



**“ Increase efficiency in production is an important contribution to long-term competitiveness. ”**

- › Continental develops a state-of-the-art, autonomous transport vehicle to further increase the efficiency of its own production.
- › This technological solution is an integral part of Continental's Industry 4.0 strategy.
- › The Autonomous Mobile Robots align themselves to the correct direction and flexibly avoid obstacles.
- › The expertise from highly-reliable automotive-grade environmental sensors such as radar, camera, ultrasonic, and LiDAR, as well as sensor fusion and the environment model, was a key component in the development of the Autonomous Mobile Robot.



**H**heavy duty    **C**E certified    **O**pen interface    **U**WB ready

**U**ltra-compact design    **I**ntegrated lift-function

**F**ull collaborative  
interaction with environment

**D**eveloped according  
to Automotive standards

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# Production at Highest Quality Level

## Robotics



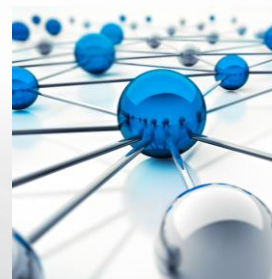
- › 72 CoBots at the Plant Regensburg
- › Approx. 1,800 **CoBots** at Continental Automotive



Plant Regensburg:  
Test Center for CoBots  
and aAGVs



- › 29 AGV at the Plant Regensburg
- › > 300 **aAGVs** at Continental Automotive



Plant Regensburg:  
Competence Center  
for CoBots and aAGVs

The background is a light gray with a network of white lines connecting various nodes, some of which are glowing. Several thick, orange dashed lines curve across the scene, adding a sense of motion and technology.

***THANK YOU!***