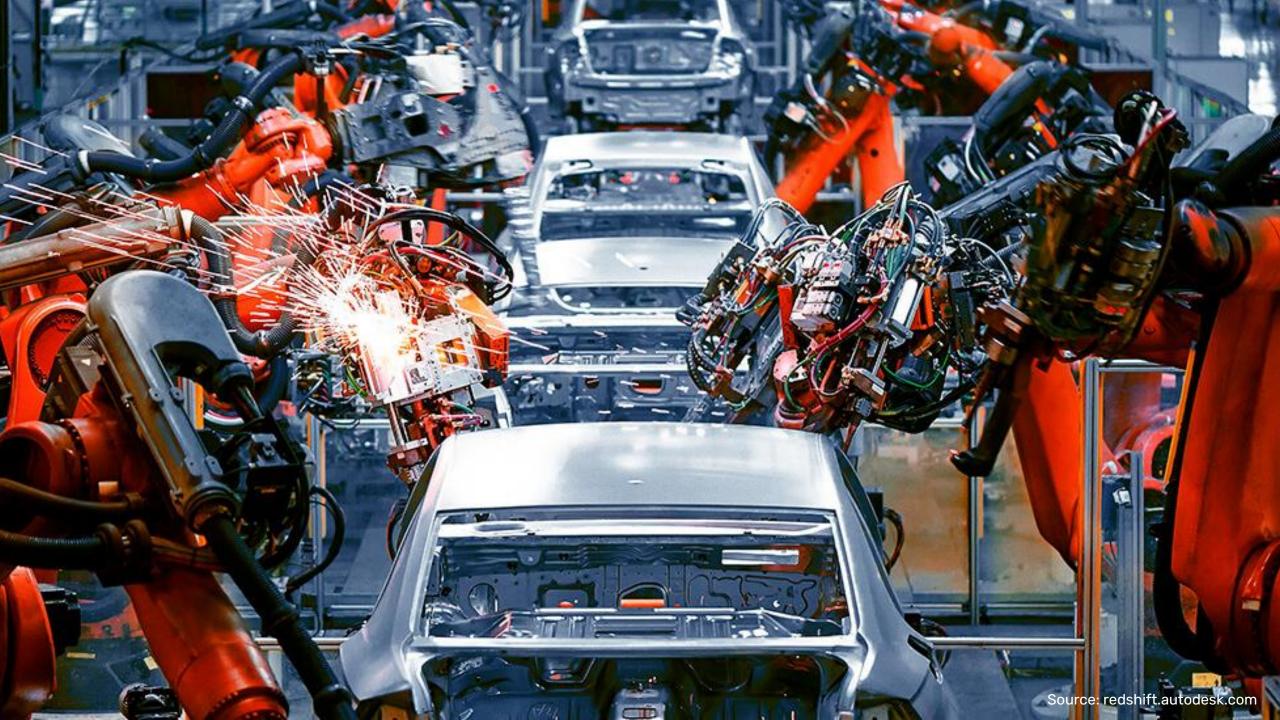




Contact

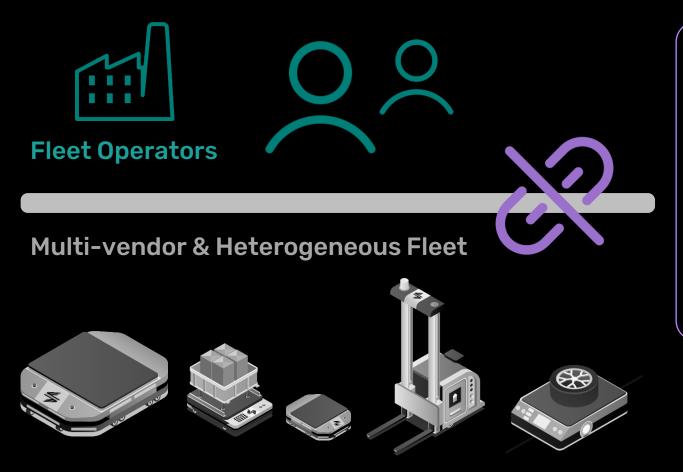
Logistics Summit 2022

NODE Robotics GmbH Hamburg, 2022





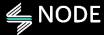
Status Quo in Flexible Intralogistics



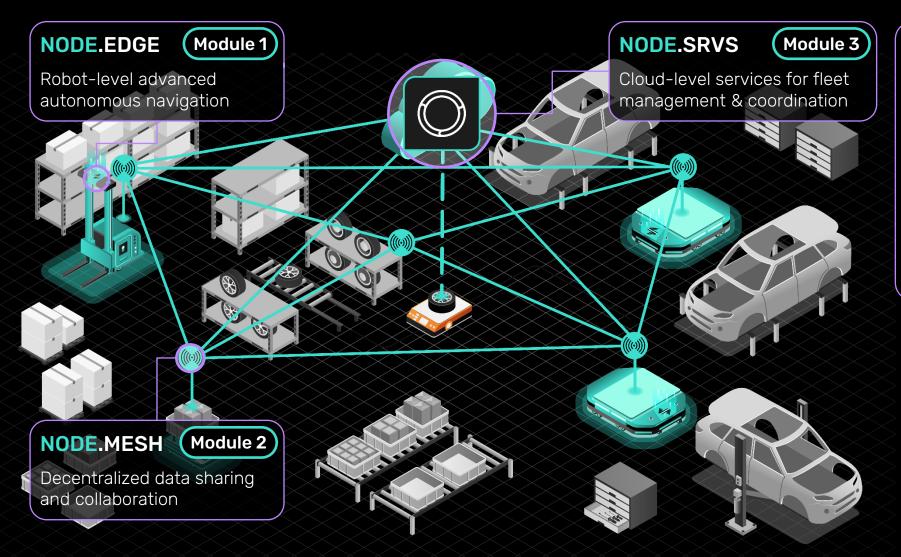
Major reasons preventing further spread of AGVs/AMRs:

- Patchwork of incompatible solutions on the market
- No multi-vendor operation possible
- High integration & commissioning efforts

Need for vendor-agnostic & 'Plug & Play' software solutions!



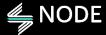
NODE.OS – The Autonomous Intralogistics OS



- ✓ Any robot type
- ✓ "Plug & Play" commissioning
- ✓ Industrial proven

Powered by:

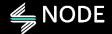
- Cloud robotics, machine learning & autonomous driving
- ✓ Community-driven Open Source middleware & interfaces
- √ >50 person years of R&D at Fraunhofer



NODE.OS – The Autonomous Intralogistics OS



A plug & play intralogistics operating system for any kind of mobile robot



Lighthouse Projects

AMRs with NODE.EDGE in productive use

>500

Kilometers driven with NODE.EDGE software

>250.000

Types of NODE.EDGE enabled AMRs

>30



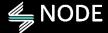
NODE @Audi:

- √ R8 assembly line replaced by 18
 NODE-enabled AMRs
- ✓ In use since 2015 with system availability > 99,5%
- High positioning precision (subcm)



NODE @BMW:

- √ > 300 NODE-enabled AMRs in 7 production plants
- ✓ Interaction with forklifts, tugger trains & persons
- ✓ Diverse, large & highly dynamic environments (> 500,000 m²)



Our Team



- ✓ Fraunhofer IPA startup
- ✓ Founded 2020
- ✓ Based in Stuttgart
- ✓ 25 employees







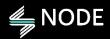








ARENA2036



Getting started!

Mobile robot manufacturers/system integrators:

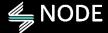
Commissioning in a day on your robot.

End users:

Potential assessment analysis for your factory/warehouse.

Investors:

Please reach out to get in touch.



Get in touch!



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Phone: +49 151 10320336



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NODE.SRVS - Interface Options

