Enabling complex industrial use cases through enhanced connectivity

Smart manufacturing

- Digital twin for remote diagnostics and improved planning via what-if scenarios
- Real-time operational visibility of plant operations

Mining

- Intelligent worker safety solution
- Real-time mining equipment monitoring across open pit and underground

Ports

- Predictive maintenance of equipment/machines
- Intelligent video based perimeter security/theft prevention solutions

Connected worker

- AR-based inspection/remote expert assistance for the field engineers
- Immersive (VR) solutions for trainings/demos

Smart warehouses

- Real-time asset/inventory tracking
- LiDAR based solution for storage/retrieval

Compliance & Sustainability

- IoT-based real-time environmental monitoring for GHG emissions
- Intelligent public safety solutions

Your trusted partner for private 5G innovation

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Empowering industries by solutioning wide array of tailored use cases

Value achieved: Automation use cases*

Real-time operational visibility of all manufacturing operations for a leading Automotive

~65K quality parameters tracked in real time   50+ robots and machines connected

~30% downtime reduction

🛡 99.999 % reliability

Digital twin technology enabling remote diagnostics and enhanced planning capabilities for aerospace applications

Higher yield rate   Improved operational decision making

🛡 99.999 % reliability   🕐 < 25 ms latency

VR workforce training boosting efficiency and productivity for a global energy leader
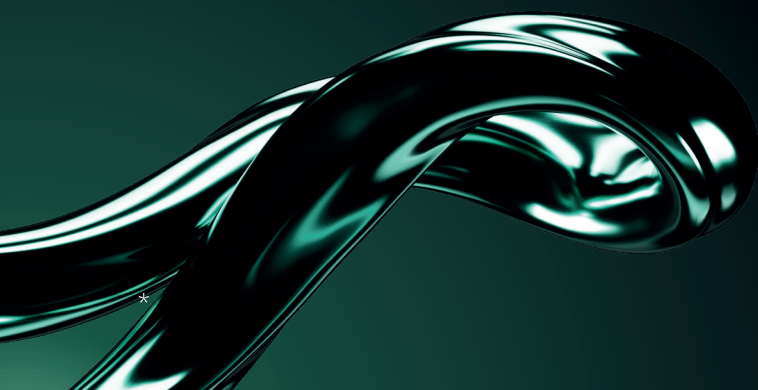
15% - 20% improvement in employee productivity

🛡 99.999 % reliability   ⇅ ~100 Mbps on the DL
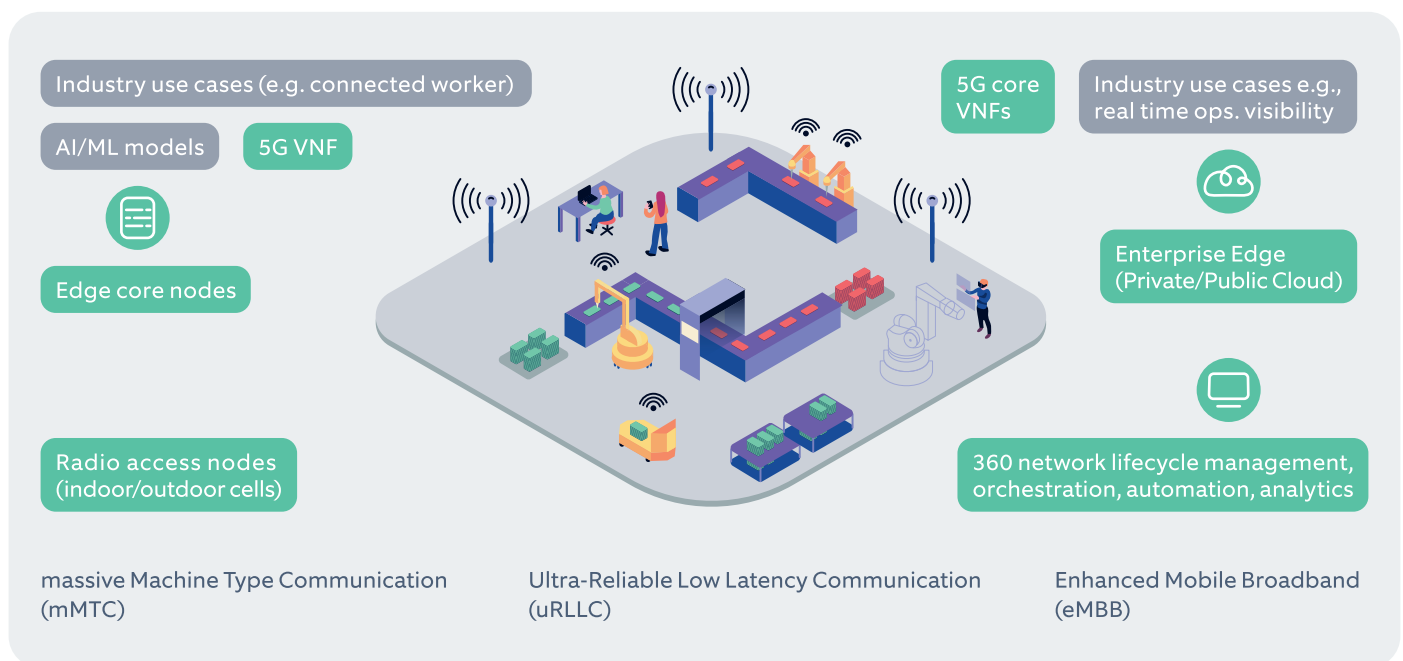
Real time asset tracking for a global beverages leader

30% reduction in pallet cost   Improved visibility in supply chain

🛡 99.999 % reliability

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Fast forwarding your Industry 4.0 transformation with our IIoT accelerators

Industry use cases (e.g. connected worker)

AI/ML models   5G VNF

Edge core nodes

5G core VNFs

Industry use cases e.g., real time ops. visibility

Enterprise Edge (Private/Public Cloud)

Radio access nodes (indoor/outdoor cells)

360 network lifecycle management, orchestration, automation, analytics

massive Machine Type Communication (mMTC)

Ultra-Reliable Low Latency Communication (uRLLC)

Enhanced Mobile Broadband (eMBB)

● Nagarro offerings   ● Our partners

01	Agent onboarding & asset management	**02**	Data collection & storage
03	Connectors (MQTT, OPCUA,…)	**04**	Cloud connectors (AWS, Azure, GCP…)
05	Edge gateway – OTA update	**06**	Data pre-processing & analytics
07	Alerts and notifications	**08**	Asset control
09	Raw data visualization	**10**	Tenancy
11	Basic digital twin	**12**	Global configuration manager
13	TCP connector	**14**	User management
15	SMB connector	**16**	Anomaly detection (pre-built ML models)

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18,000+
People

27+
Years

1000+
Customers

38
Countries

Publicly listed
SDAX and TecDAX

Why us

1 Deep functional expertise across different industry verticals to build the right use case application

2 Rich experience of offering solutions across cellular (5G/4G) and non-cellular connectivity technologies

3 Experts in critical technologies: 5G, Edge, AI/ML, VR/MR, IoT, Cloud and more

4 Strong system integration capabilities

Selected partners*

Khasm

Airspan

Druid

aarna.ml

Caring is our superpower

Client-centric   **A**gile   **R**esponsible   **I**ntelligent   **N**on-hierarchical   **G**lobal

Nagarro, a global digital engineering leader, helps clients become fluidic, innovative, digital-first companies and thus win in their markets. The company is distinguished by its entrepreneurial, agile, and global character, its CARING mindset, and its Fluidic Enterprise vision.

Let's talk: **Presales-Telecom@nagarro.com** or visit us at **www.nagarro.com**.

*Non-exhaustive list