Industrial 5G Use Cases & Key Enablers

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5G Alliance for Connected Industries and Automation

The Role of 5G for Industry 4.0

The Evolution of Mobile Communications

1G ... 4G ... 5G

1G

The Four Industrial Revolutions

I4.0 I3.0 I2.0 I1.0

5G Factory

Higher Flexibility

Higher Productivity

Higher Efficiency

Higher Ease-of-Use

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Potential Application Areas of Industrial 5G

- Mobile & Portable Assets
- Moving & Rotating Parts
- Wireless Sensors
- Human-Machine Interaction
- Positioning & Tracking
- Modular Production
- Retrofit Solutions
- One Size Fits All

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Important Enablers for Industrial 5G

- **Industrial-Grade QoS**
- **Solid QoS**\(^1\) Differentiation
- **TSN\(^2\)-over-5G**
- **Non-Public Networks**
- **Integrated Positioning**

\(^1\)Quality-of-Service \(^2\)Time-Sensitive Networking

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