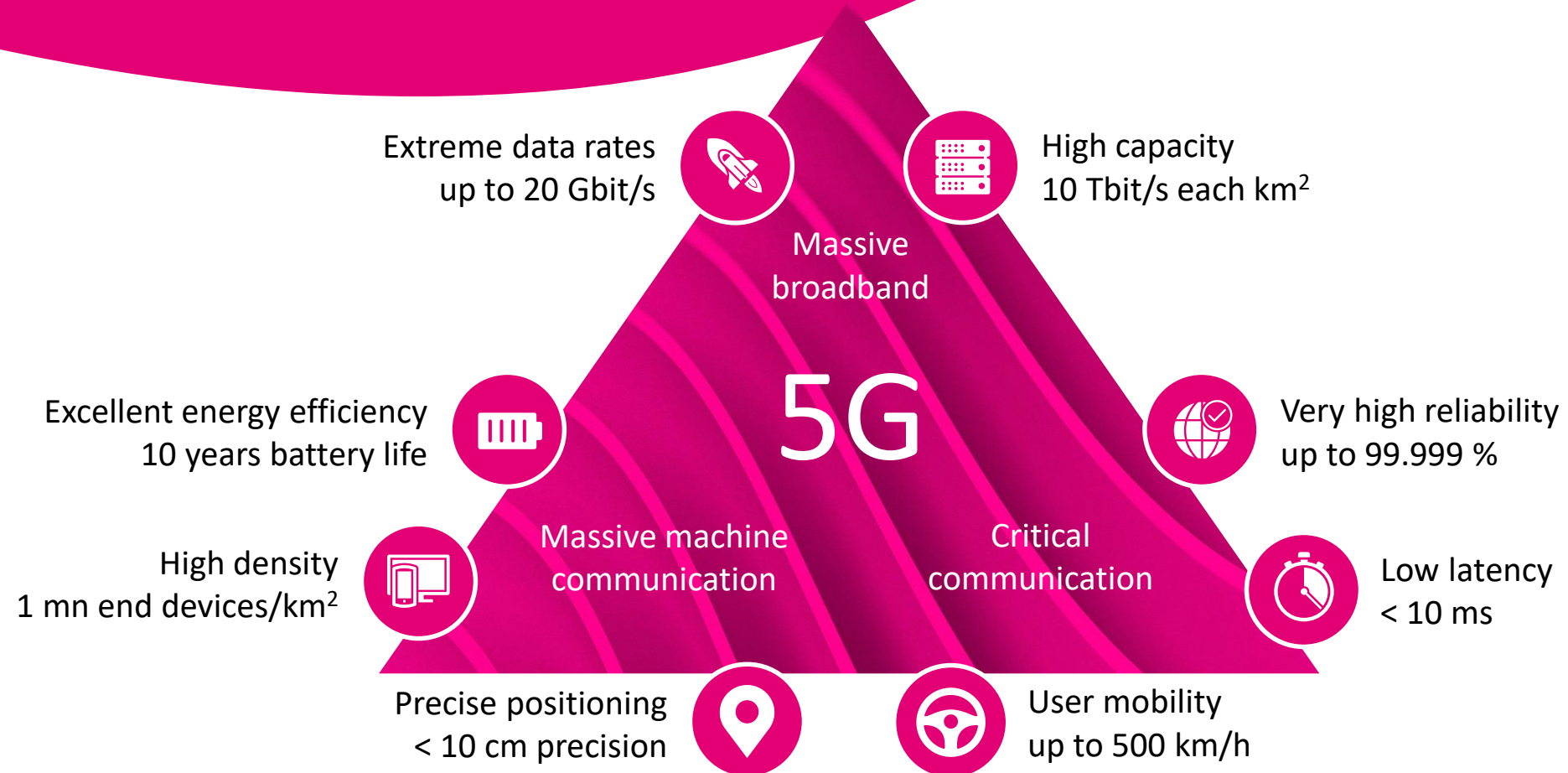


5G Private Mobile Networks

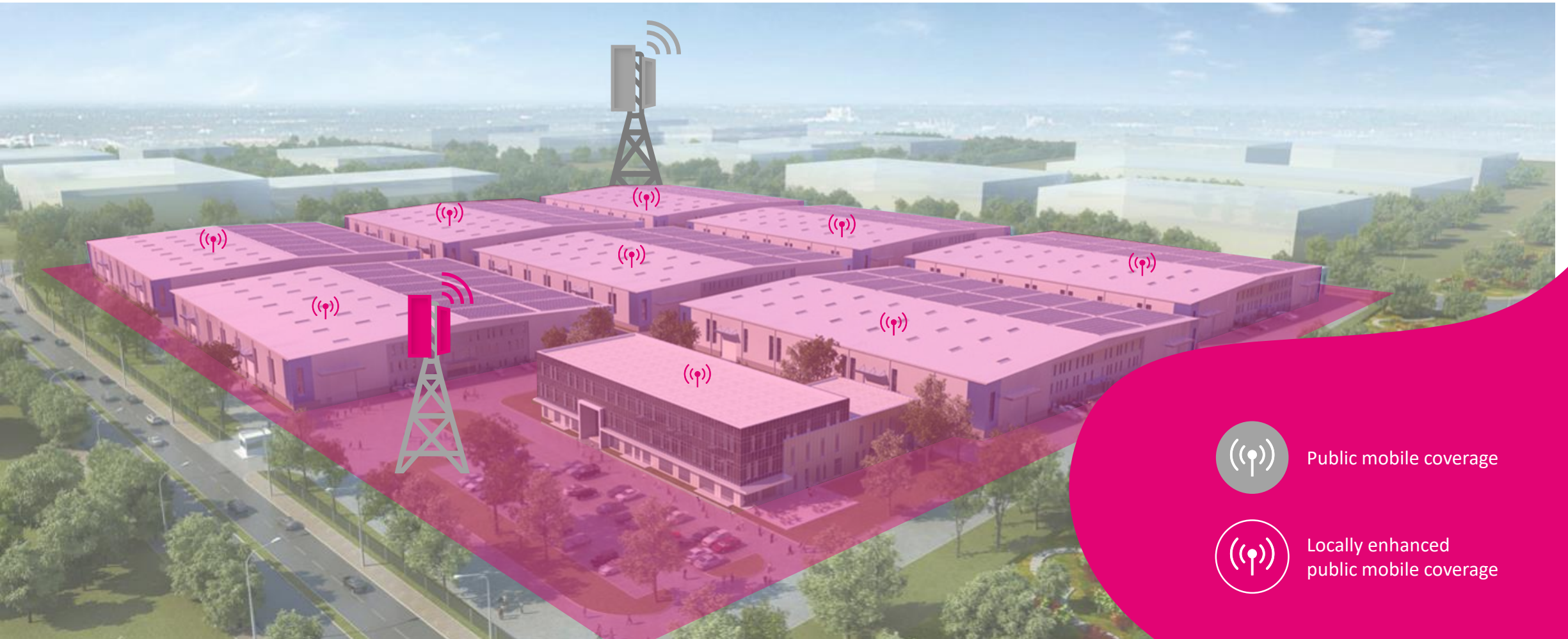
Jan Hirš,
T-Mobile CZ, Director for Industry 4.0



Target picture: 5G enables increased bandwidth, more connectivity and even better reliability



The connected factory with Campus Networks



Public mobile coverage



Locally enhanced
public mobile coverage

Campus Networks as basis for the entire local ecosystem



Campus Network

Plattform Services

- IoT
- Edge
- Security
- Cloud

Factory Automation

- Operation Monitoring
- AGV Steering
- Fault Diagnosis

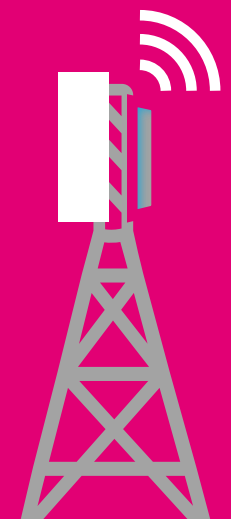
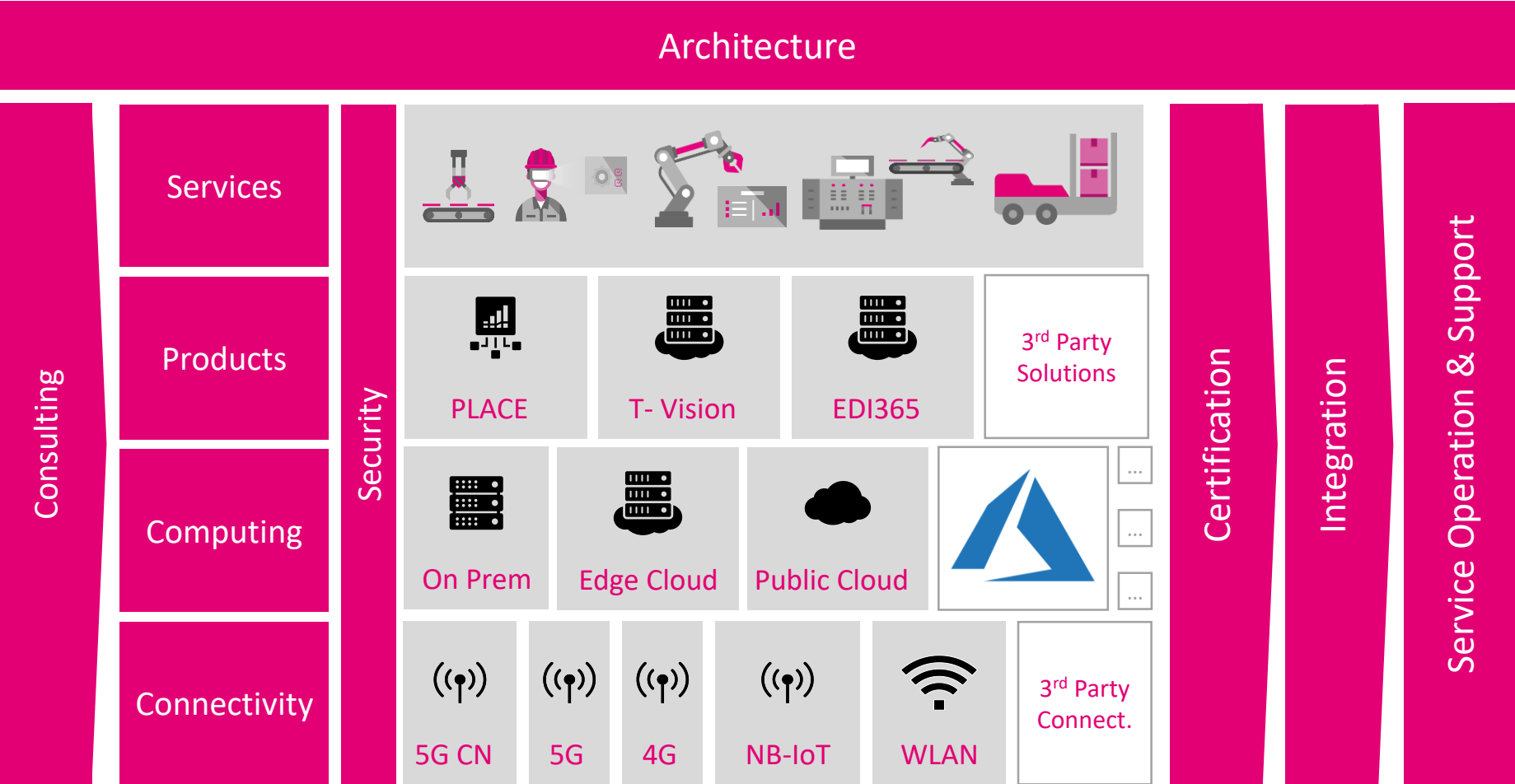
Process Automation

- Predictive Maintenance
- AR Glasses
- Sensors
- Flexibilization
- Process Control

Smart Building Automation

- Power Monitoring
- Energy Management

Ecosystem of INDUSTRY 4.0



5G private solution on Universities



In operation

- 4G/LTE
- 5G NSA
- 5G NSA mmWave 26 GHz
- Edge Cloud

In preparation:

- Industrial IoT
- 5G SA



CZECH INSTITUTE OF INFORMATICS,
ROBOTICS AND CYBERNETICS

In operation

- 5G SA – 2nd testbed in Europe
- Edge Cloud
- Industrial IoT



In progress:

- 5G SA
- Industrial IoT



In progress:

- 5G SA
- Industrial IoT



In progress:

- 5G SA
- Industrial IoT



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