

FROM SEMI-AUTONOMY TO FULL AUTONOMY

IOT, 5G, EDGE TECHNOLOGIES

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COMMUNICATION TECHNOLOGIES

- ▶ IoT (Internet of Things)

- ▶ 5G

- ▶ Edge

IOT IMPACT ON AUTONOMY

- ▶ Automation requires data from many different sources
- ▶ IoT provides a simple and inexpensive way to transmit data between technologies to power autonomous systems.
- ▶ Communication networks are the key to automation

5G AND AUTOMATION

- ▶ Expanded network capabilities with regards to bandwidth and latency.
- ▶ Network slicing to improve individual performance
- ▶ Fully wireless network structure

EDGE COMPUTING

- ▶ Computing near the user
- ▶ Advances in privacy and security
- ▶ Intelligence for network bandwidth consumption

TEXT

AUTOMATION

- ▶ User defined communication
- ▶ Latency
- ▶ Privacy/security and bandwidth