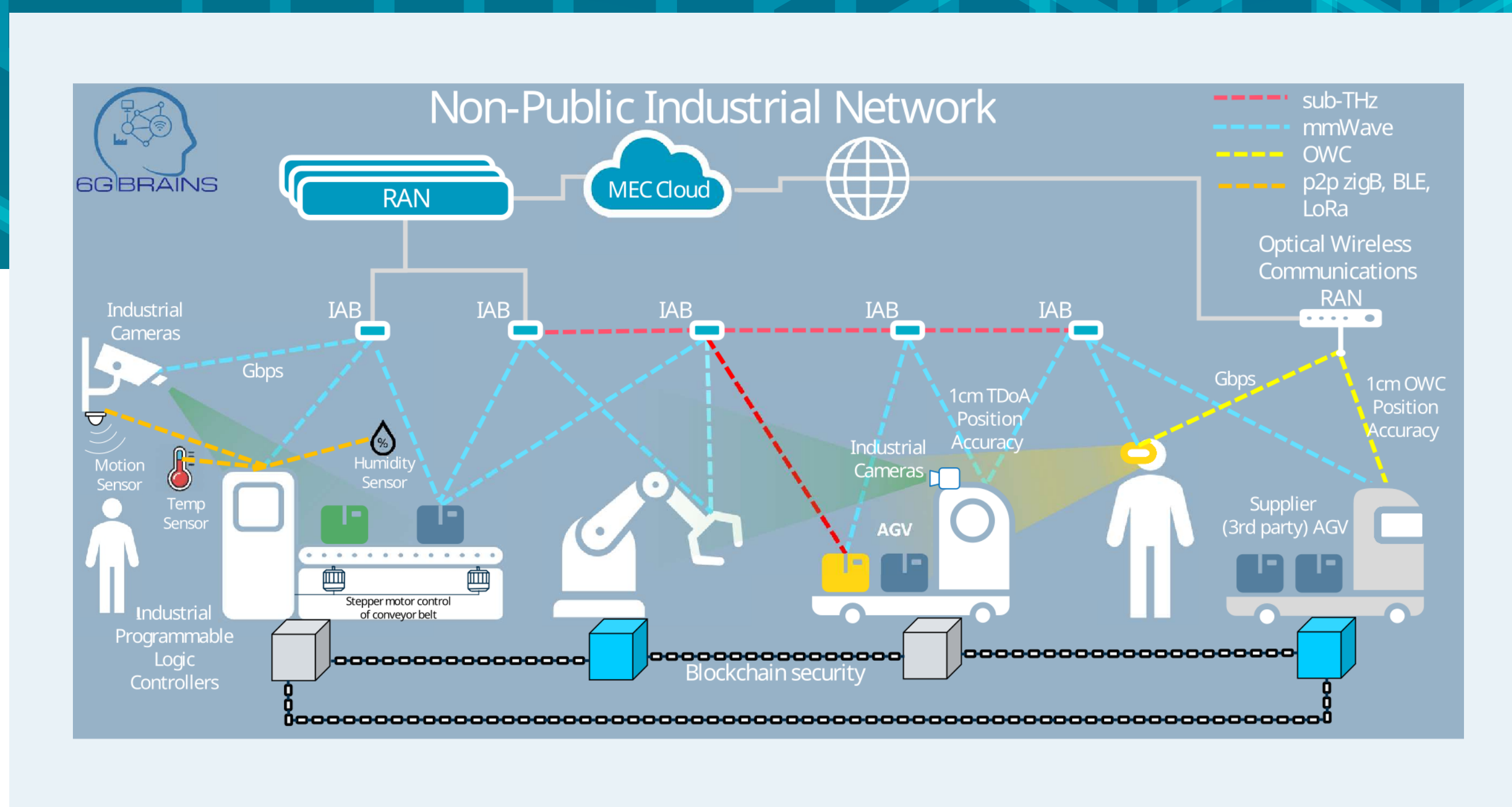
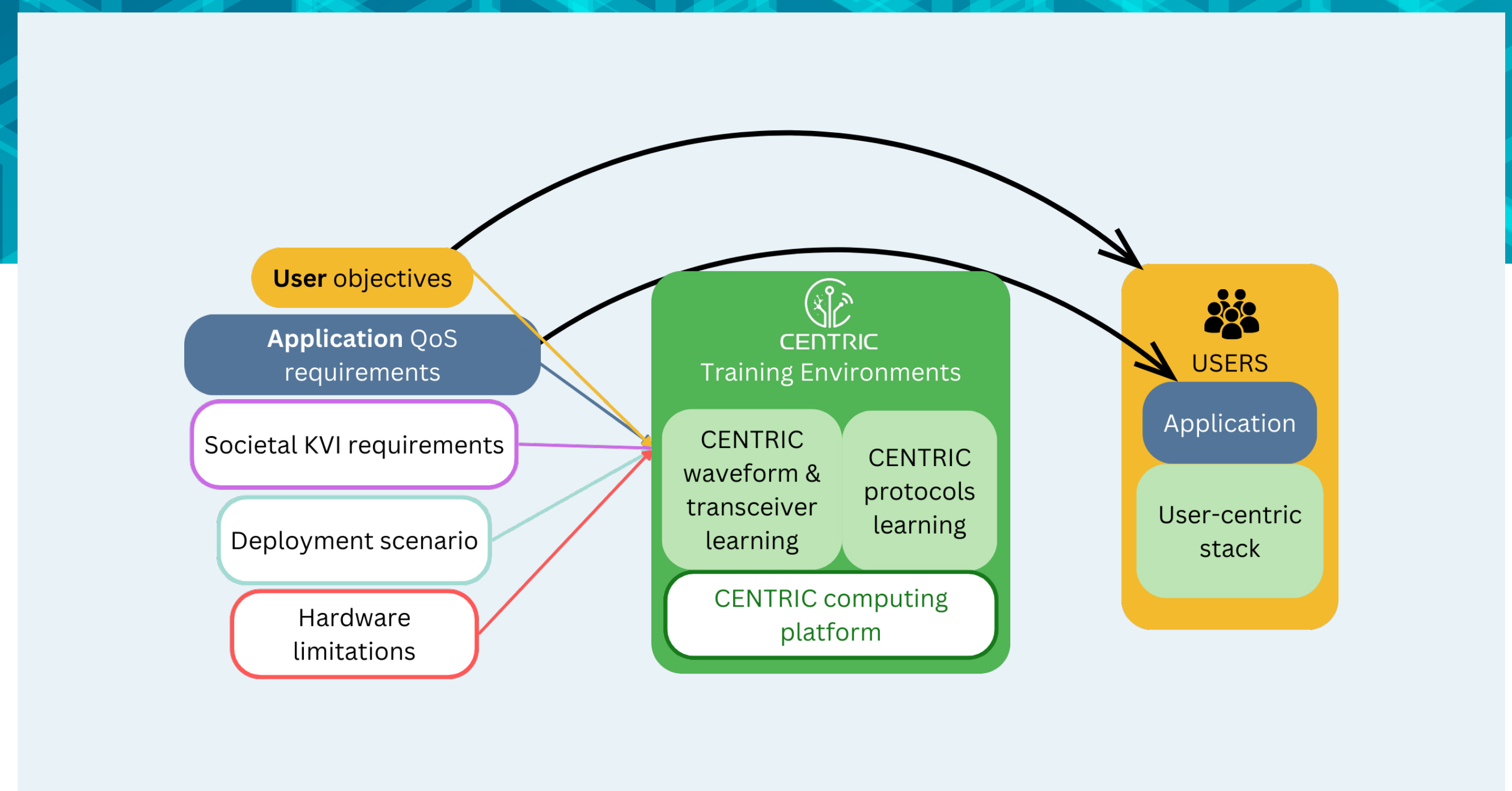


6G-BRAINS: Bring Reinforcement-learning Into Radio Light Network for Massive Connections

CENTRIC: Towards an AI-Native User-Centric Air Interface for 6G Networks



6G BRAINS infographic »Non-Public Industrial environments«



CENTRIC AI training environment for 6G Air Interface design

Graphs: ©6G BRAINS & ©CENTRIC

6G-BRAINS research topics

- Enhanced new spectrum links: OWC and THz
- AI-driven D2D cell free network architecture for highly dynamic and ultra-dense connectivity
- AI-based end-to-end directional network slicing with guaranteed QoS over highly dynamic networks
- AI-driven data fusion for 3D indoor position mapping
 - 1mm location position accuracy
 - 1° orientation accuracy

CENTRIC research topics

- AI methods for the discovery of
 - novel and efficient waveforms
 - novel and efficient transceivers
 - customized lightweight communication protocols
- Novel end-to-end hardware co-design solutions for energy-efficient AI-native transceivers
- Training and monitoring for AI Air Interface deployments
- Validate user-centric solutions



More information: <https://6g-brains.eu/>



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