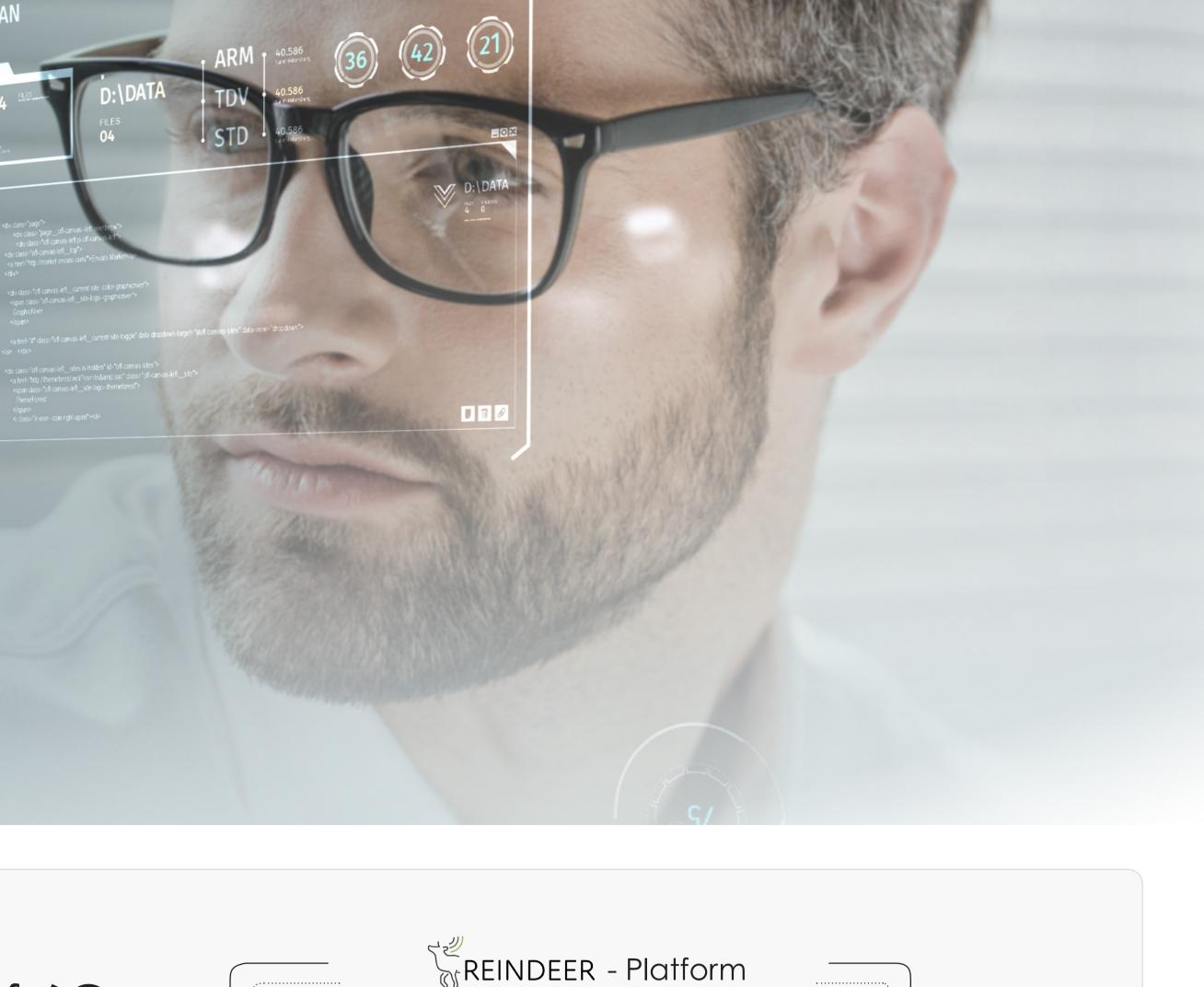
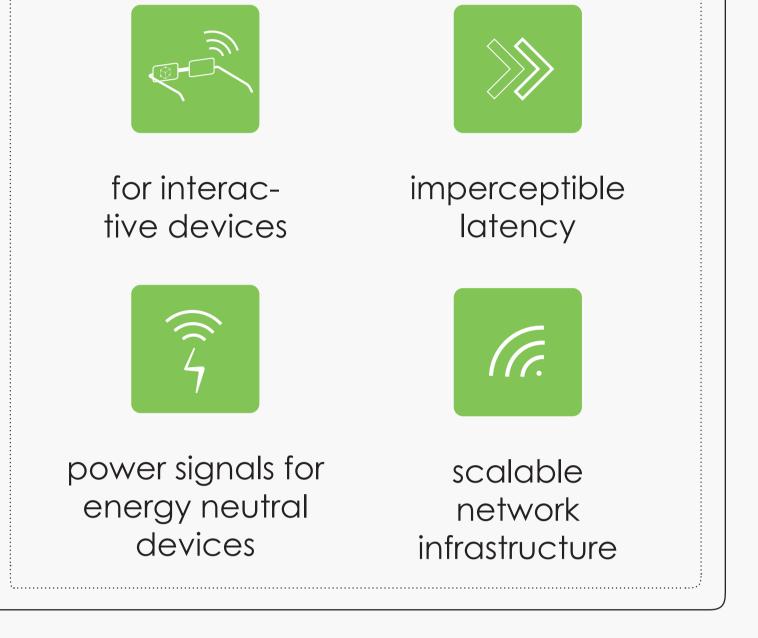
RESILIENT INTERACTIVE APPLICATIONS THROUGH HYPER DIVERSITY IN ENERGY EFFICIENT RADIOWEAVES TECHNOLOGY

> The **REINDEER** project will address fundamental aspects of **6G** multi-antenna technology, by developing a new smart connect-compute platform based on **RadioWeaves technology**:



- wireless access infrastructure consisting of a fabric of distributed radio, computing, and storage resources which functions as a massive, distributed antenna array
- blend physical and virtual reality
- scalable capacity, perceived zero latency and zero outage

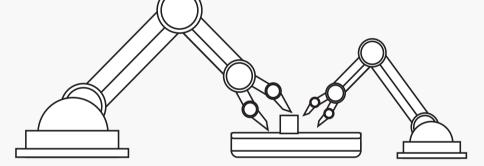
 interacting with an extremely high number of embedded devices



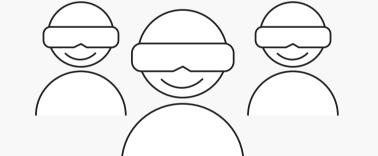
Analyse and specify technical requirements for future interactive applications

Robotized factories, logistics, warehouses Mixed-reality entertainment for crowds

Natural Human Machine Interaction



- real space information
- imperceptible latency, zero-outage
- energy neutral devices



- high capacity network
- high number of individual HD video services for crowds



reliablility interactive applications

O2 Develop RadioWeaves connectivity infrastructure:

- energy-efficient, smart, scalable and secure
- including topologies for zero-outage, efficient and secure deployment
- data & power signals

Experimentally validate and demonstra-**U**4 te the RadioWeaves smart connectivity platform and the REINDEER algorithms for robust applications and interaction with energy-neutral devices

Develop scalable protocols & algorithms tor:

05 Share the REINDEER results with a broad group of stakeholders and the scientific community, promote technological vision in pre-standardization activities, ensure interoperability

- cell-free operation & signal processing solutions for resilient interactive applications
- cooperation with energy-neutral devices
- secure connectivity infrastructure
- topologies for zero-outage, efficient and secure deployment

