



bouygues
TELECOM
Business

5mart Ho5pital

10/02/2026

5smart Ho5pital

GOAL: Improve service quality and deliver the most advanced and efficient care to patients thanks to 5G SA and edge cloud technologies, augmented by AI applications. The project will deploy a large-scale 5G SA "hybrid" network within the hospital paired with AI-ready edge cloud capabilities.



5G: The foundation of the University Hospital's transformation



Improve the Patient and Caregiver experience



Improve the quality of care



Improve safety and security



Improve performance and resilience



Innovate and improve training



Why 5G ?



Private and public communication



Large areas, complex to cover



indoor / outdoor mobility



Data security and confidentiality



Multiples use-cases
5G Routeurs
Smartphones
IoT / M2M Low Power



QoS per use-cases

Hybrid 5G Infrastructure

5G « SLICING » IMPLEMENTATION FOR PUBLIC/PRIVATE USAGE

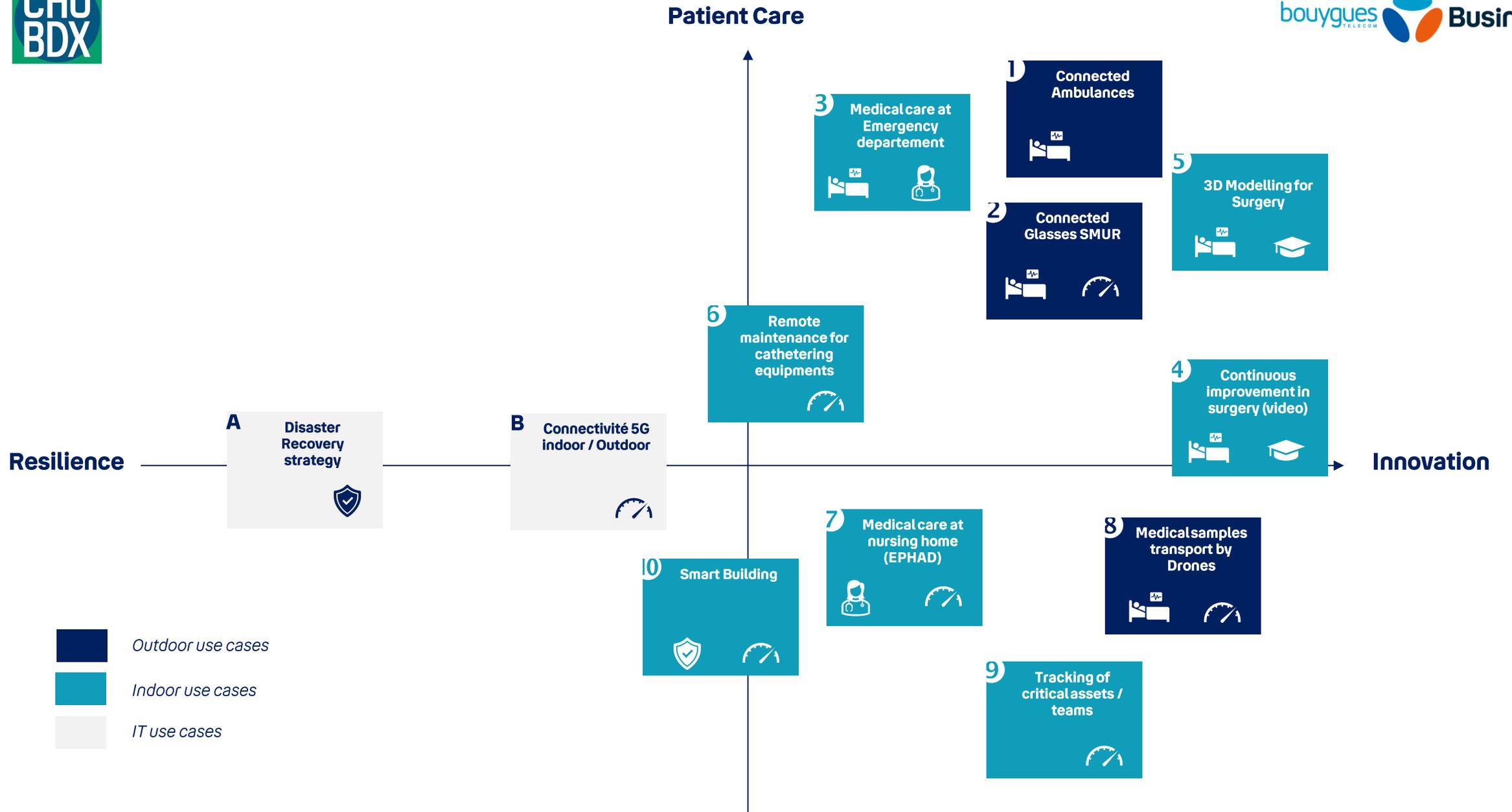
Multi-operators compatibility for public usage

Radio Capacity Reservation for Private Hospital Usage

Delivery of Private Traffic within the Hospital – Local Break Out

Native Security Features Integrated into the Hybrid 5G Network (Segmentation & Encryption)

Disaster Recovery: Use of 5G Infrastructure as Part of Recovery Infrastructure in case of Cyber Attack.



Drudgery lessening – Performance improvement

Next steps

DESIGN THE 5G COVERAGE FOR THE 18 BUILDINGS

DEFINE THE USE-CASES WITH THE MEDICAL TEAM

DESIGN THE EDGE INFRASTRUCTURE