



DEFENCE AND SPACE

Comunicazioni radio per la sicurezza

Evoluzione delle reti mission critical

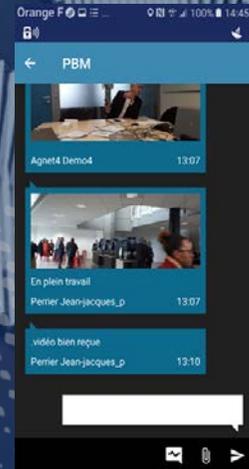
Lionello Ginelli

Politecnico di Milano 16 Aprile 2018

AIRBUS

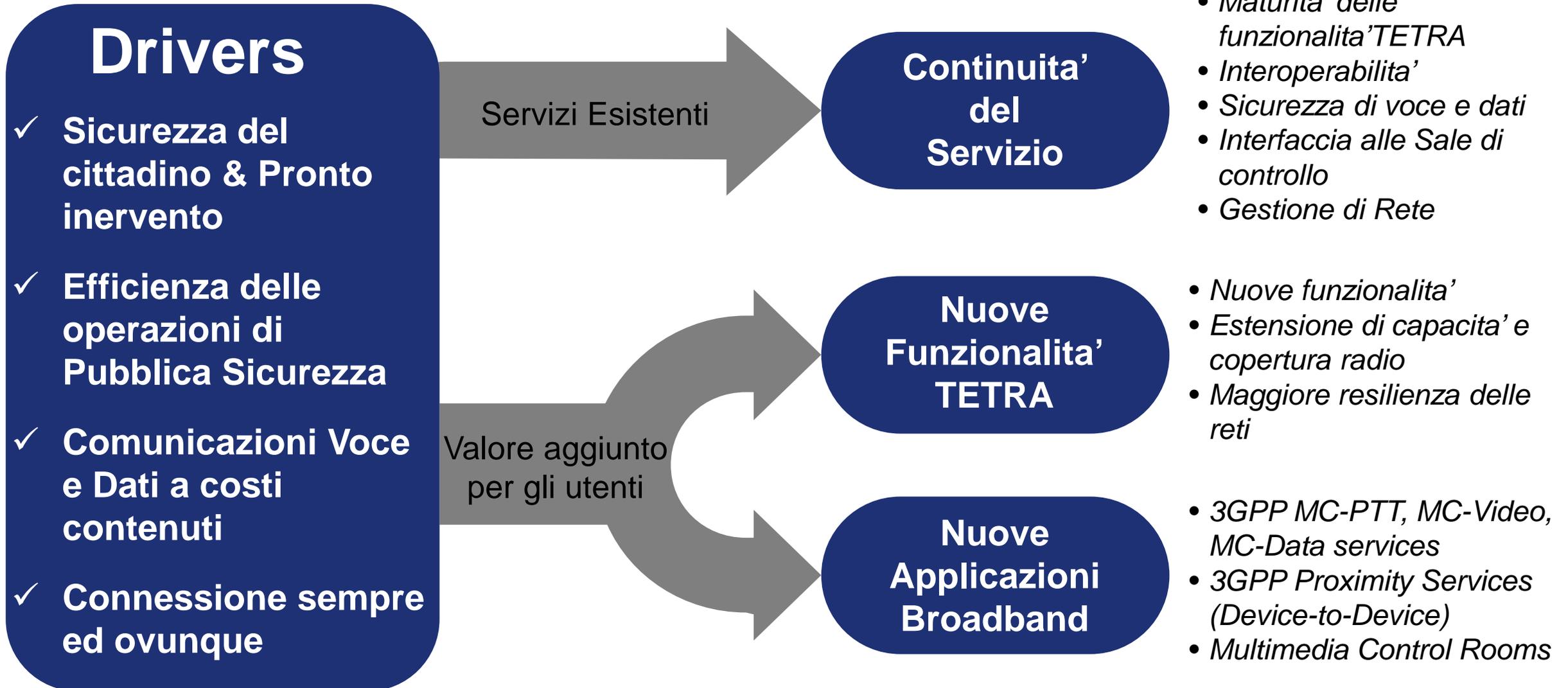
PMR e ICT da sempre alla
ricerca di sinergie

Nell'attuale scenario
tecnologico stanno
convergenndo
nell'ecosistema di
"Critical Collaboration" di
prossima generazione



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Evoluzione dei requisiti Mission Critical per la Pubblica Sicurezza

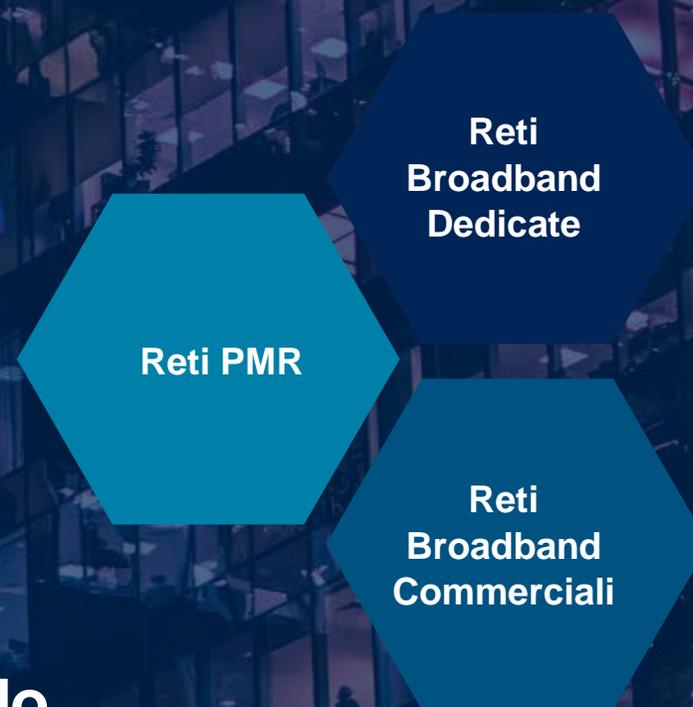


Il “Business critical” e la migrazione verso i “Collaboration Services” su reti 4G/5G

- **Comunicazioni voce “Mission Critical” legate ai sistemi TETRA/Tetrapol in ammodernamento per almeno i prossimi 10-15 anni**
- **Servizi dati introdotti gradualmente dalle reti 4G/5G sulla base di accordi specifici e attraverso reti e dispositivi ibridi**

Le Soluzioni Ibride offrono una transizione morbida verso il “Mission critical broadband”.

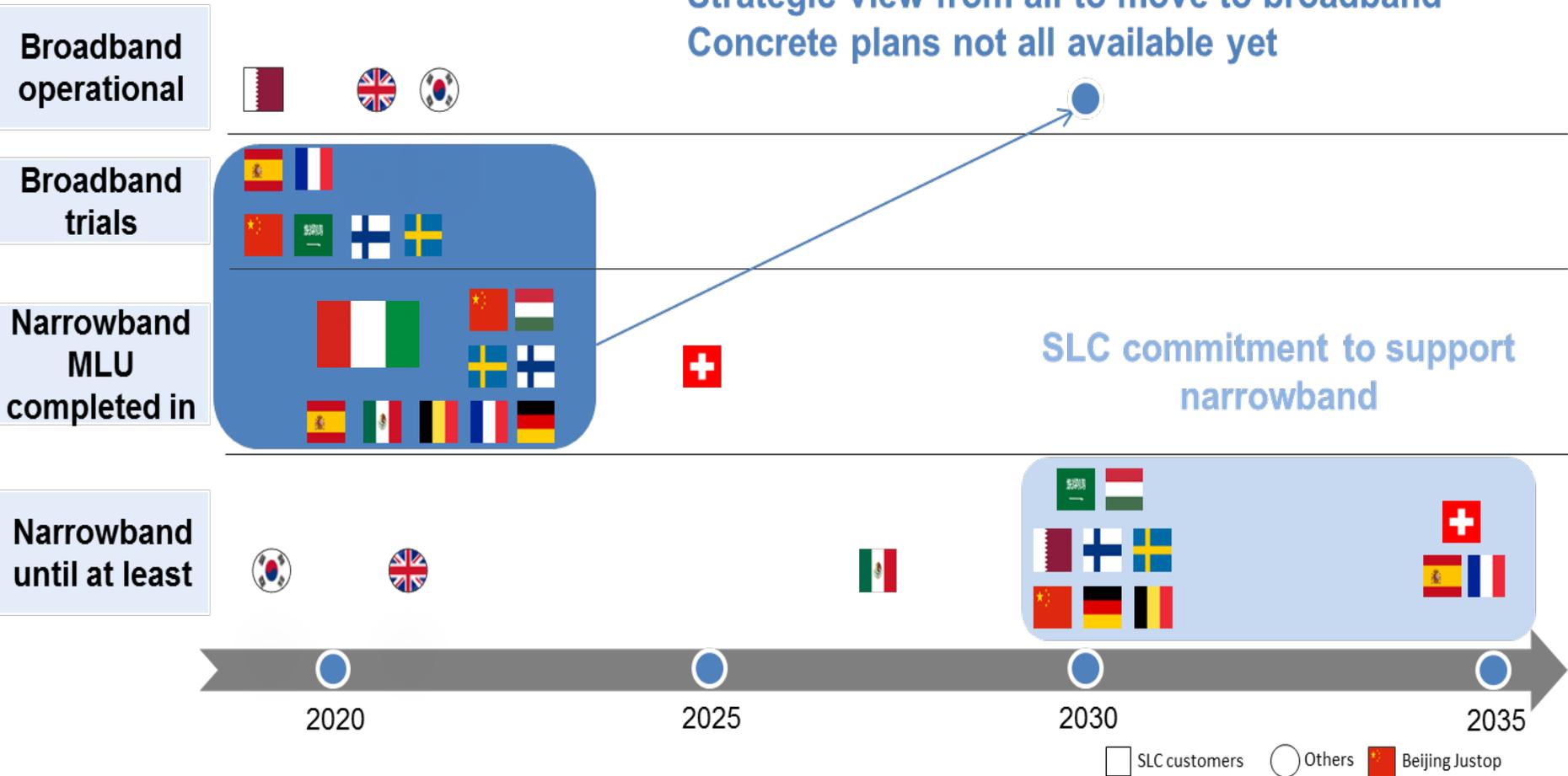
Con la combinazione tra PMR e mobile broadband, il modello ibrido si adatta ai bisogni delle organizzazioni, ottimizza la migrazione attraverso implementazioni graduali



Piani di sviluppo degli operatori della Pubblica Sicurezza

Strategic view from all to move to broadband
Concrete plans not all available yet

SLC commitment to support narrowband



Key Takeaways...

- Most major TETRA and TETRAPOL customers have confirmed narrow-band systems use until 2030-2035
- Mid-Life upgrades engaged to secure narrowband systems use for another 13 – 18 years
- Broadband solutions introduced step by step:
 - First driver: non mission critical use of data for operational efficiency
 - Long term driver: convergence towards broadband

Tactilon® Agnet e' parte essenziale delle soluzioni di Critical Collaboration

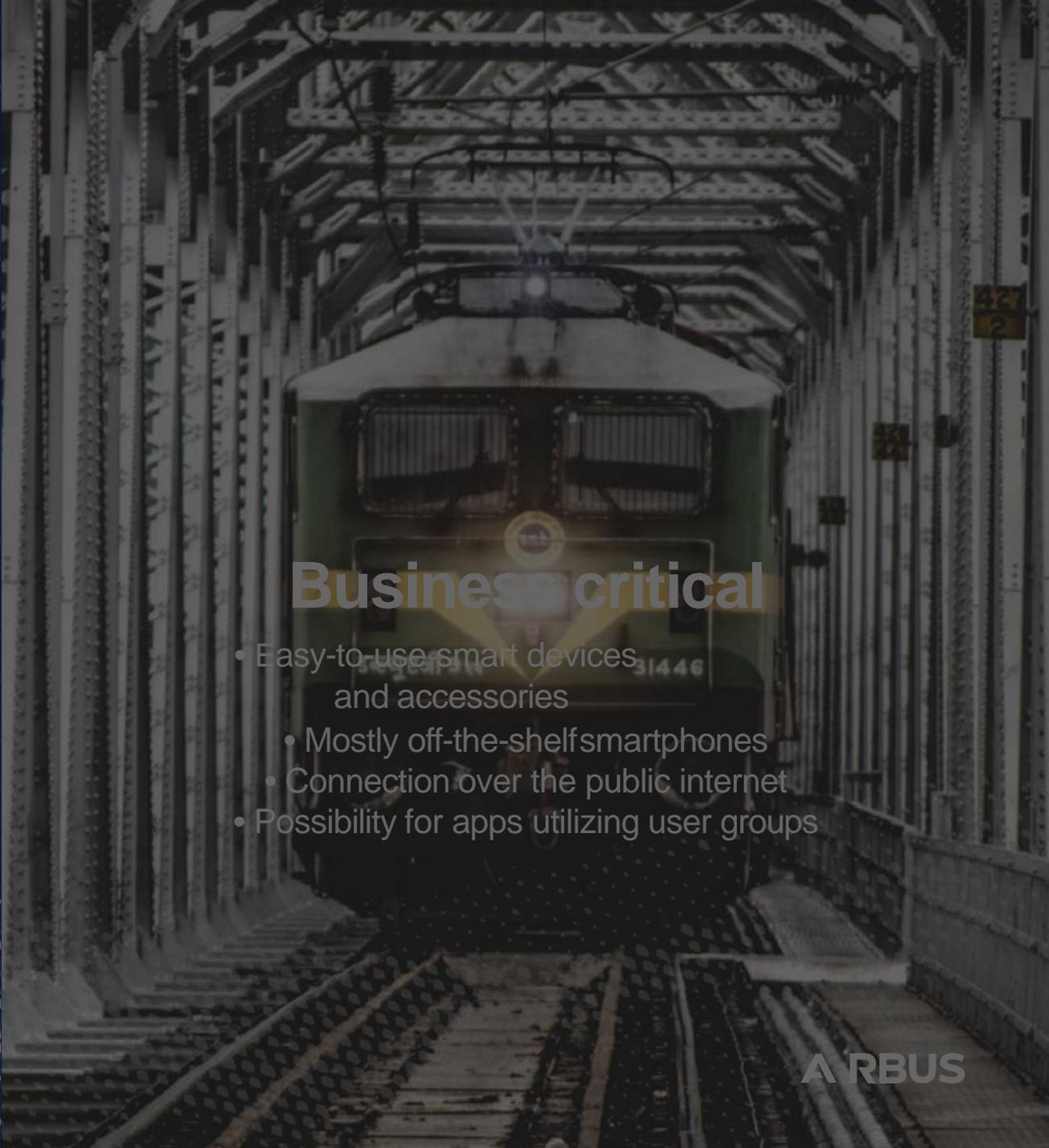




Una Soluzione, due mercati

Mission critical

- Strictly controlled and managed
- Attention to user group management
 - High-quality voice
 - Dedicated virtual networks
- Highly secured solutions for devices and apps
 - Devices with special needs and extending the user groups with
 - Off-the-shelf smartphones



Business critical

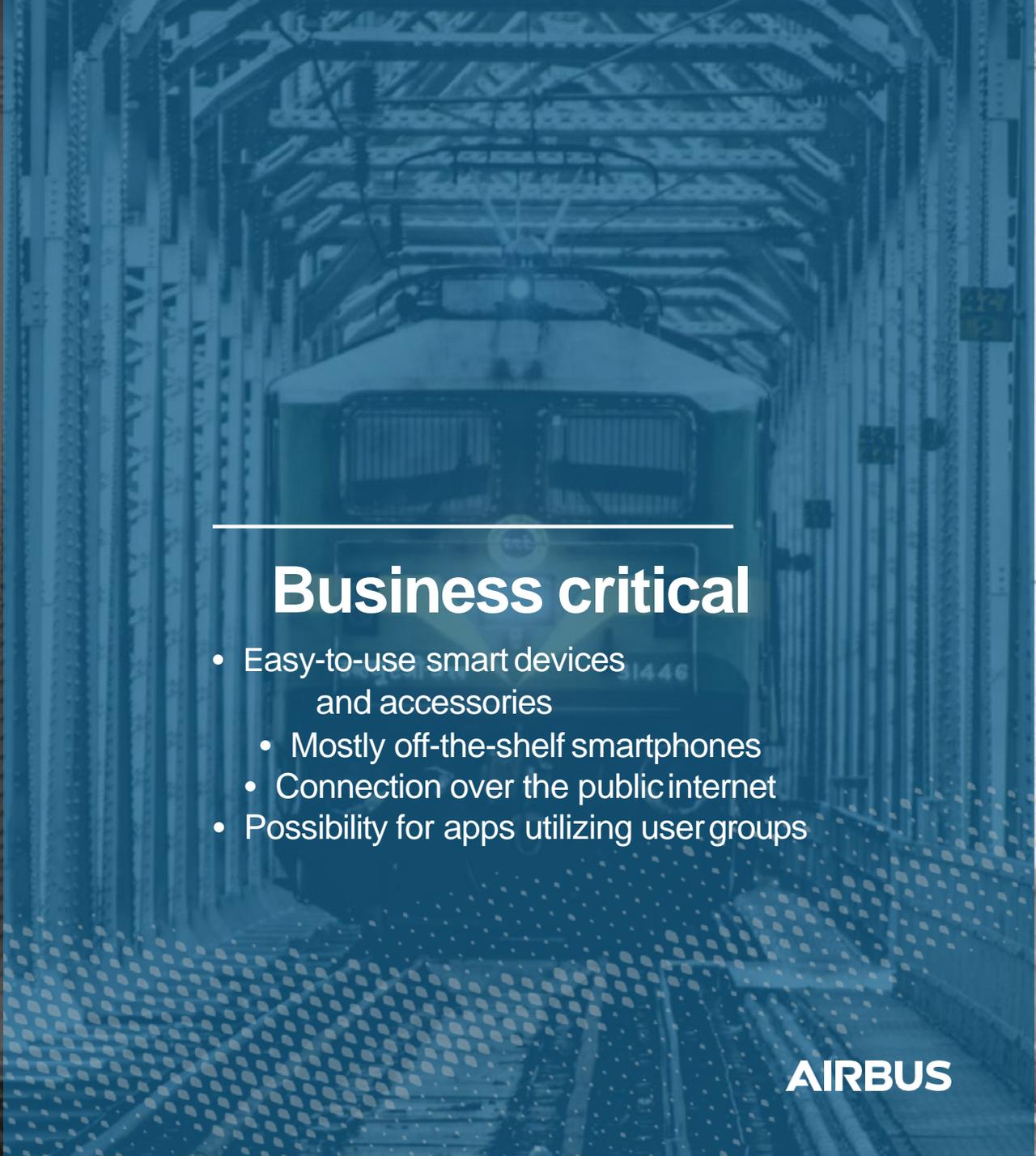
- Easy-to-use smart devices and accessories
 - Mostly off-the-shelf smartphones
 - Connection over the public internet
- Possibility for apps utilizing user groups



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