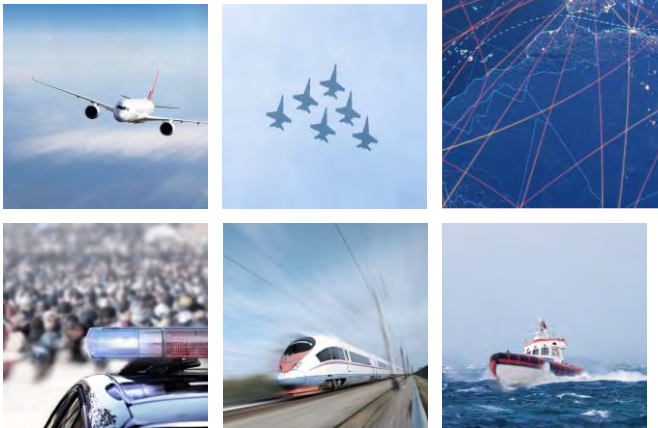




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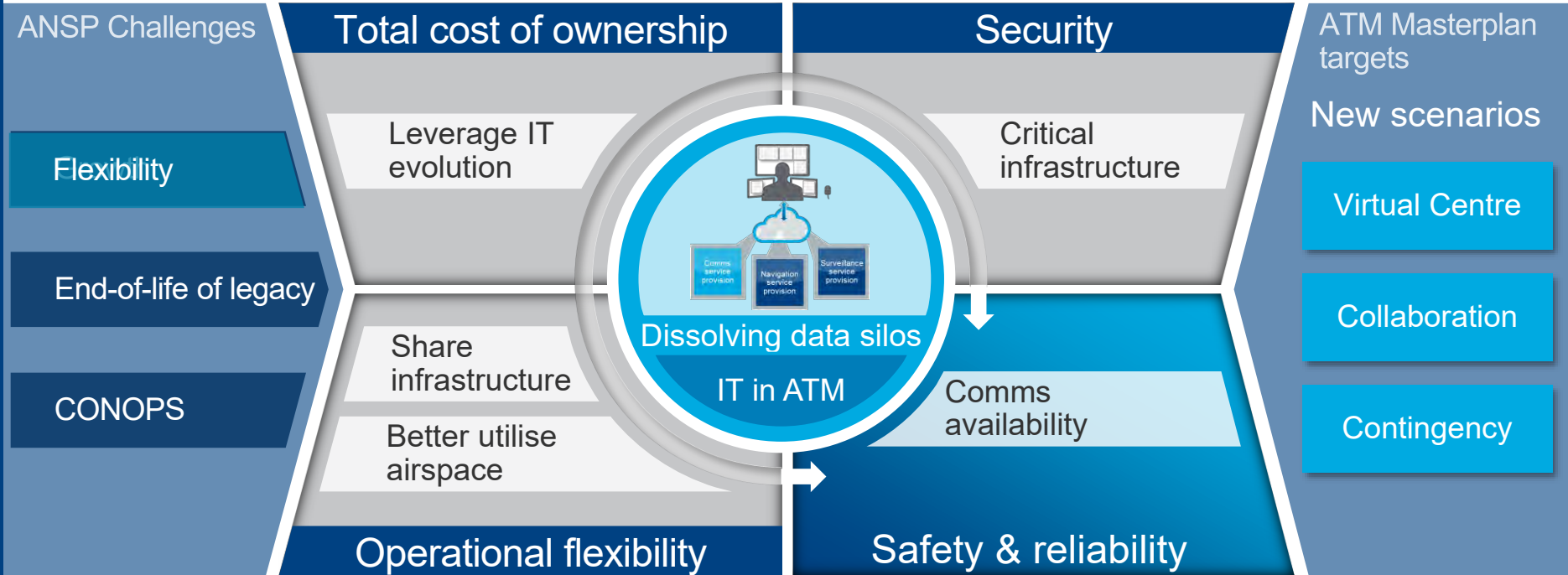


IT VCS for ATM ICAO CNS Webinar

Maarten van der Lee
Product manager VCS3020X

VCS3020X - Breaking down barriers...

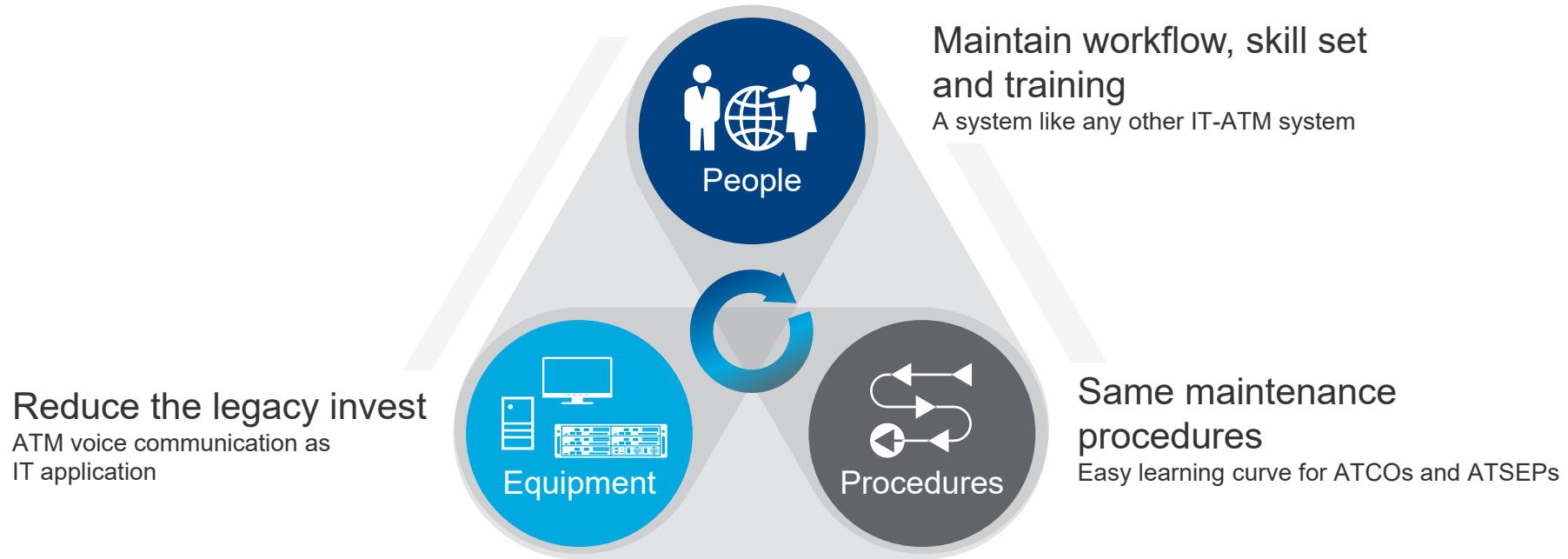
...by setting new standards...



VCS3020X R10 Enablers for the ANSP

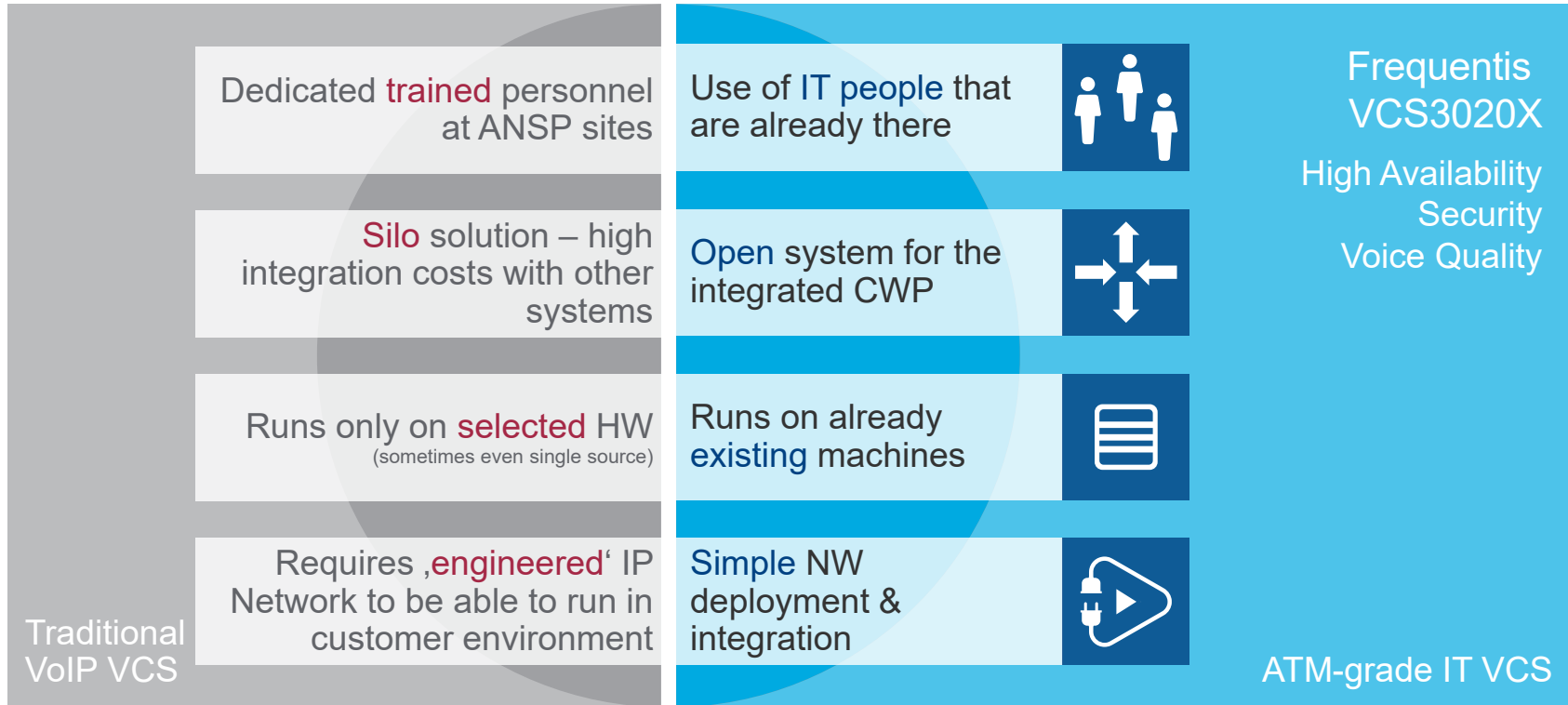
Manage your voice communication like any other IT system

Benefits of an ATM-grade IT implementation



It is time for IT

Changing the paradigm from VoIP to IT



SESAR Future Airspace Architecture Study leads the way

Current architecture

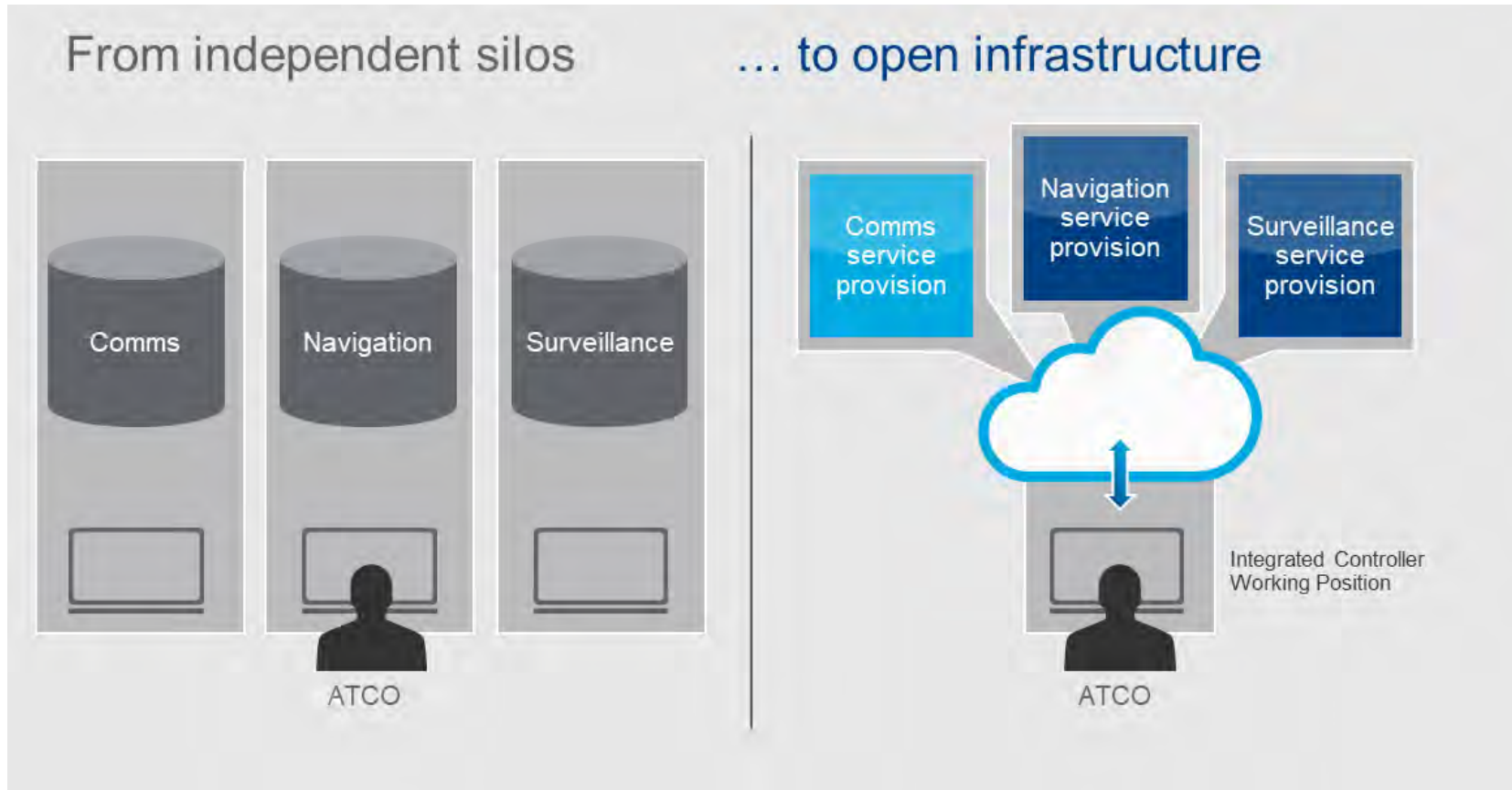


Single European Airspace System



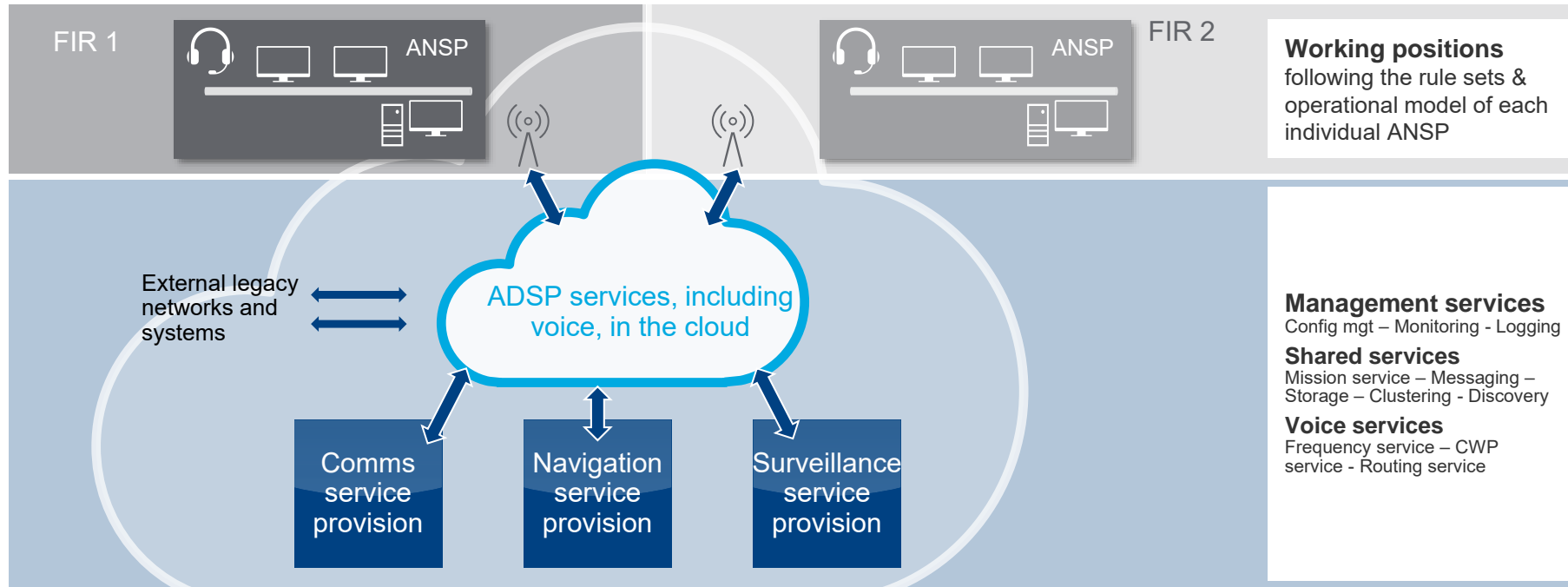
- IT architecture: From information silos to information sharing in the CNS world
- Seamless integration of voice communication into the ATM infrastructure

Dissolving data silos – cornerstone for the Virtual Centre

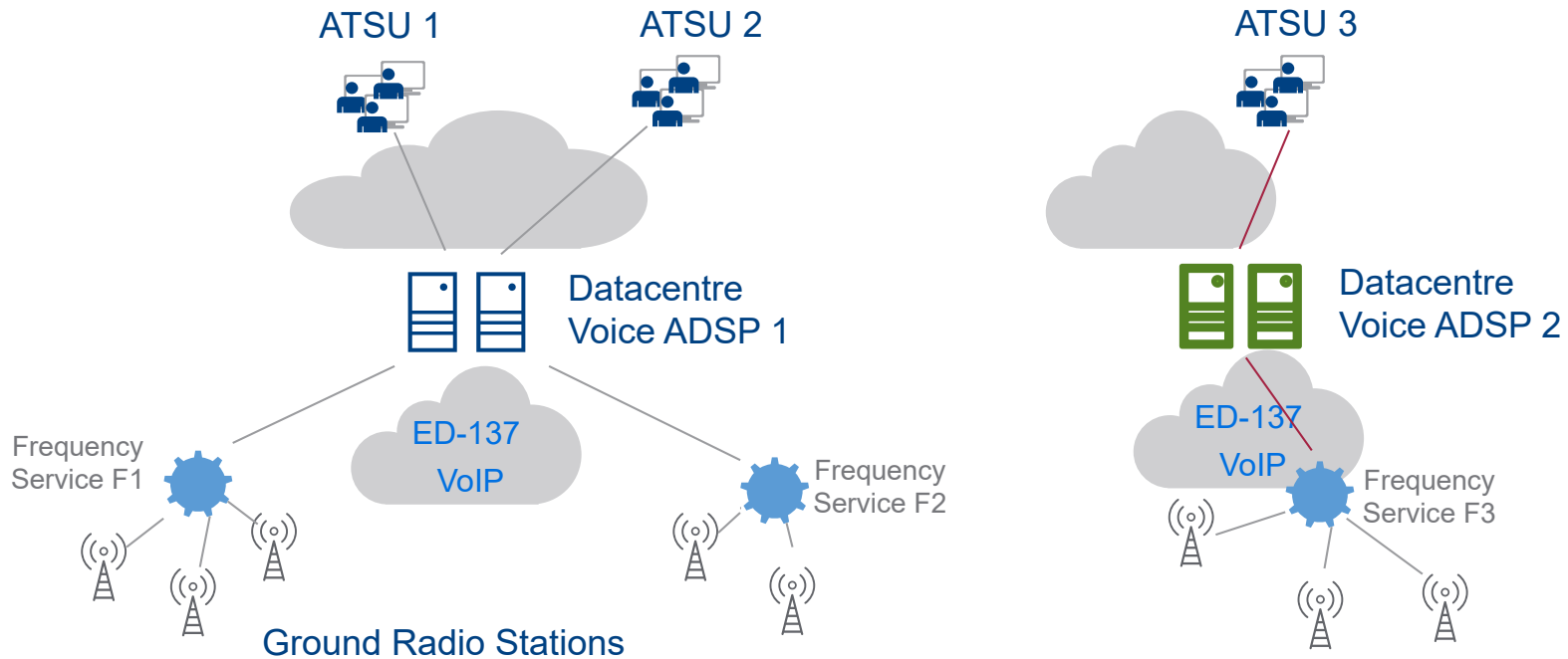


IT and Voice - Aeronautical data service provision services

Voice as a shared service: abstracting the local implementation

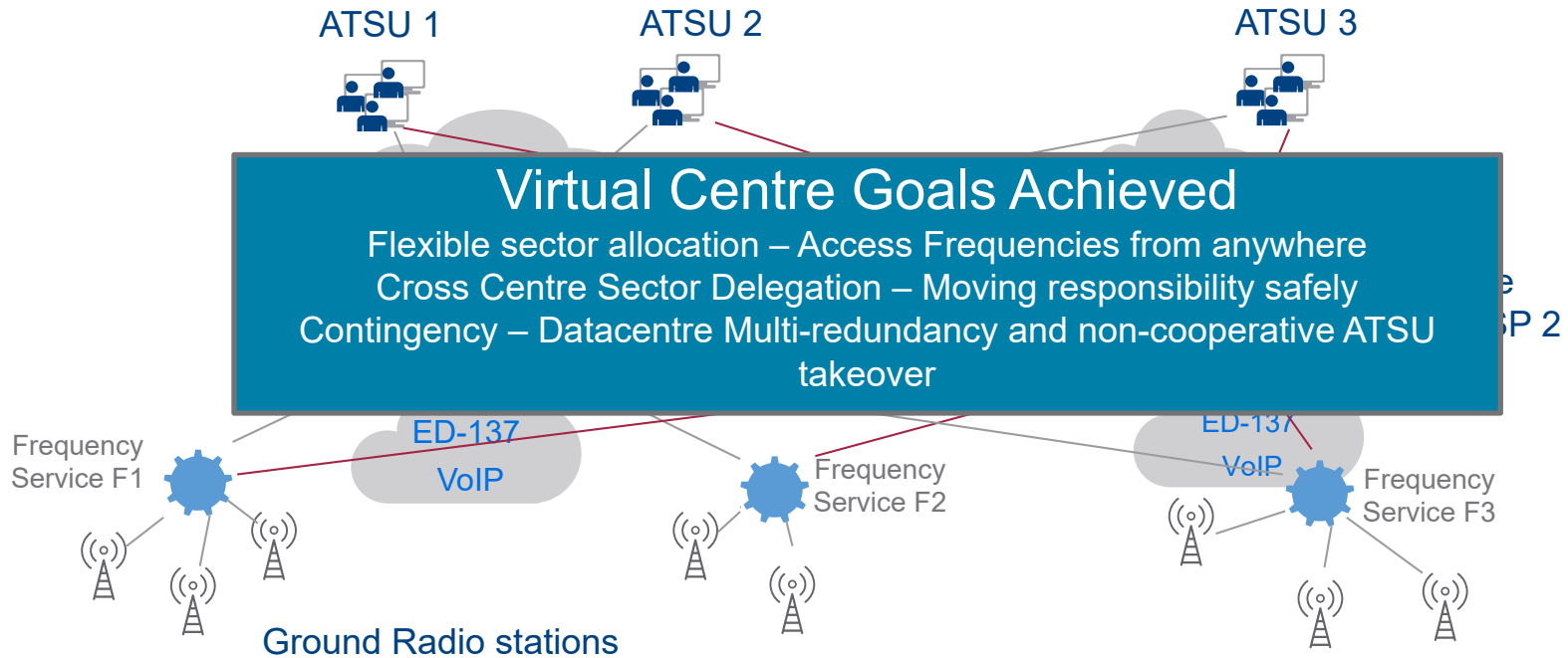


Architecture for the Voice Virtual Centre with VCS3020X Separating Control room and Frequencies



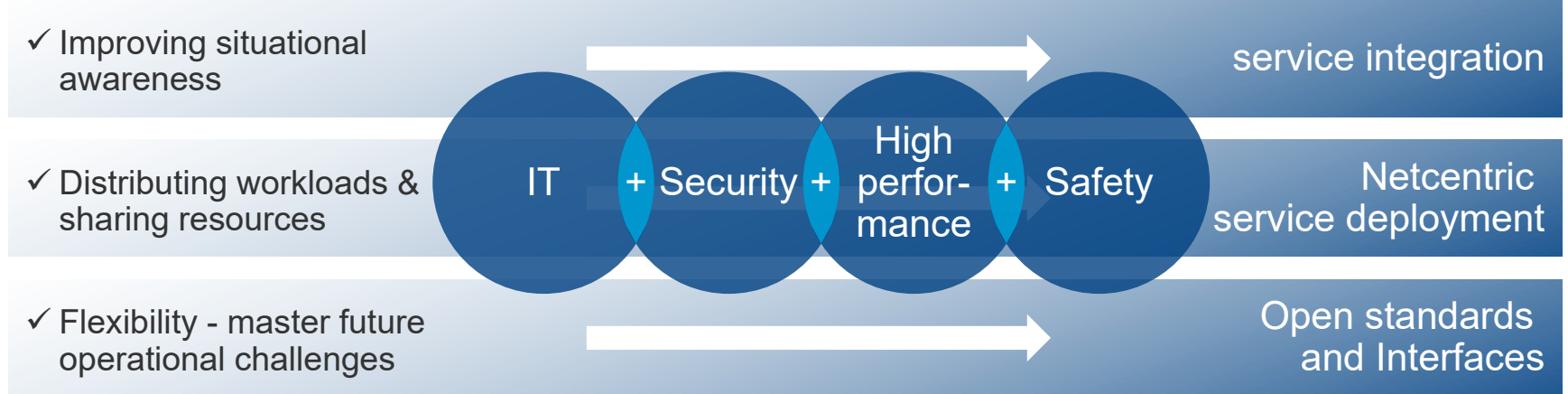
Architecture for the Voice Virtual Centre with VCS3020X

Implementing the Virtual Centre – Flexibility and Redundancy



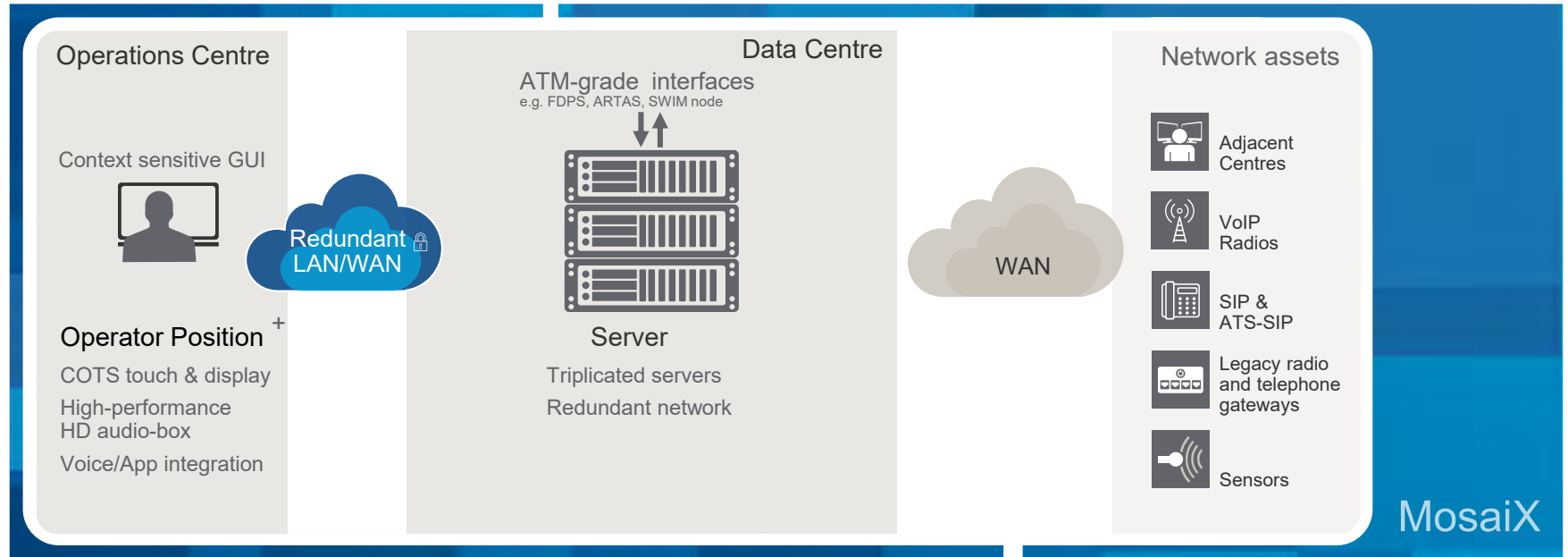
VCS as IT System – Frequentis is first

- Using proven technologies from the datacentre world
 - Quorum data redundancy, docker software containers
- Using proven concepts form 30 years of VCS experience
 - Safety and reliability: Parallel computing and parallel audio
- Mosaix: Creating a new technology platform out of this
 - The ATM-Grade datacentre – enabling application integration



The first IT system for voice communication – VCS3020X

Uniting IT infrastructure flexibility with ATM-grade predictability, redundancy, reliability and resilience



HD audio for excellent speech quality

High availability MosaiX open⁺ service architecture

Resilience and availability through SW containers

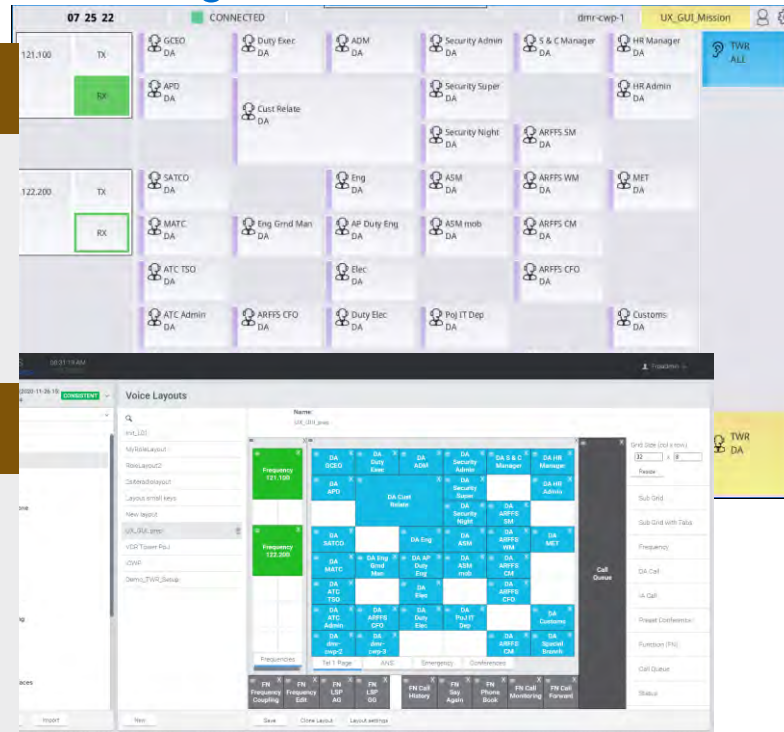
Cool stuff: What's in it for me to go IT

VCS3020X IT VCS

- Context sensitive HMI with free design
- Web Management
- HD Audio
- Deploy positions anywhere

Good stuff kept:

- Parallel audio for highest availability
- Predictable and low bandwidth usage between system elements
- Ultra reliable with quorum-redundancy
- ED-137C Compliant



Your Benefits

- Tailor the HMI to the needs of your operational scenario – any way you need it
- Access and integrate the configuration and monitoring in your landscape – easy and intuitive
- Step forward from telco line quality into IT quality: Improved voice quality and controller experience
- Flexibility: Low footprint deployment and easy roll-out of additional positions
- No networking stress
- ATM-grade VCS – Zero time switchover on component or network outage

IT VCS benefits

- Move to IT will harmonize and rationalize the technical landscape at the ANSP's
 - Other industries have gone before: Take charge of your technology budget and invest smart
- Virtual Centre, application integration benefits and voice enabled integrated controller working positions are finally here
 - Fits to international plans: Open architecture – no barriers – open for your future
- It starts now
 - Don't miss it





Come with us into the IT VCS world today

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