



# Diversifying Portfolio - From Broadcaster to PMR and MCX Provider

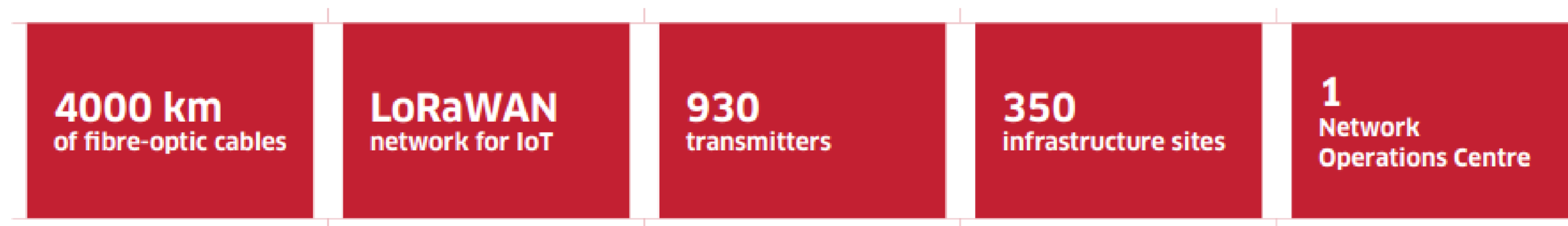
**OIV** Digital signals and  
networks

OB-O-02/0 | INDUSTRIAL SECRET / OIV\_INTERNAL

MBT Conference, May, 2025.

# The power of OIV – Digital signals and networks

- The primary provider of national strategic communications infrastructure
- Offers clients reliable digital networks and platforms for the transmission and transfer of digital signals
- Offers distribution of content and fibre-optic network for mission-critical services
- Digital television and radio signals covering virtually 100% of Croatia's territory
- Professional-grade public safety services (Cronect, panoramic 360° live video, early fire detection)
- Data stream (HRTi platform) 2PB/month 1 PetaByte= 1000 TB



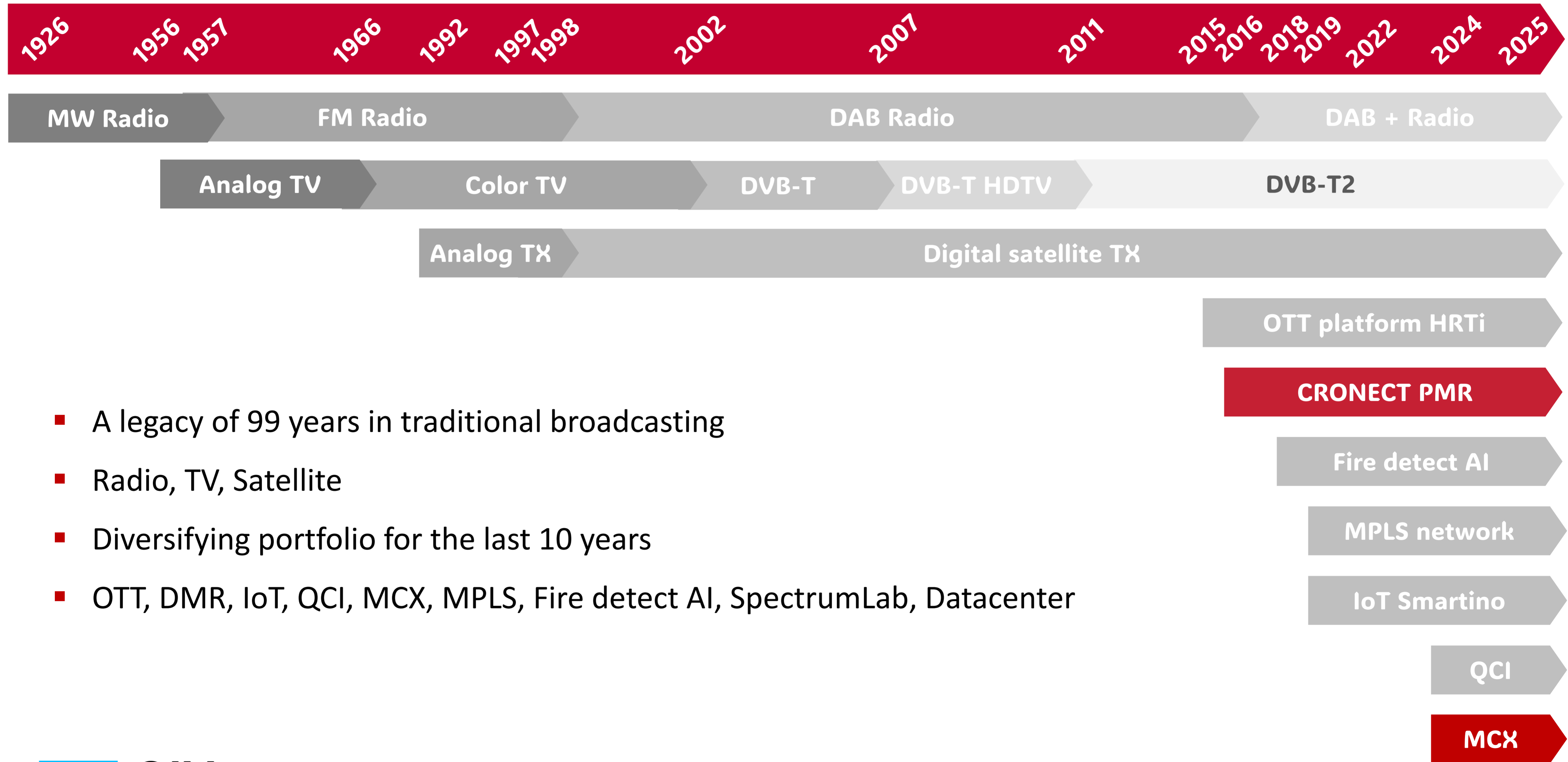
**900 GB/s**  
optical internet  
backbone bandwidth

**2,5 Gbit/s**  
digital microwave  
network

**9,6 Tbit/s**  
DWDM system

**Uplink**  
via satellite

# Getting stronger – Diversifying portfolio



- A legacy of 99 years in traditional broadcasting
- Radio, TV, Satellite
- Diversifying portfolio for the last 10 years
- OTT, DMR, IoT, QCI, MCX, MPLS, Fire detect AI, SpectrumLab, Datacenter

# Reusing resources

- Strategically placed tower installations
- Robust microwave and optical core networks
- Redundant power supply infrastructure at key backbone locations at main backbone sites
- Dedicated and expertly trained personnel

**930**

transmitters

**4000**

km of fibre optic cables

**350**

infrastructure sites

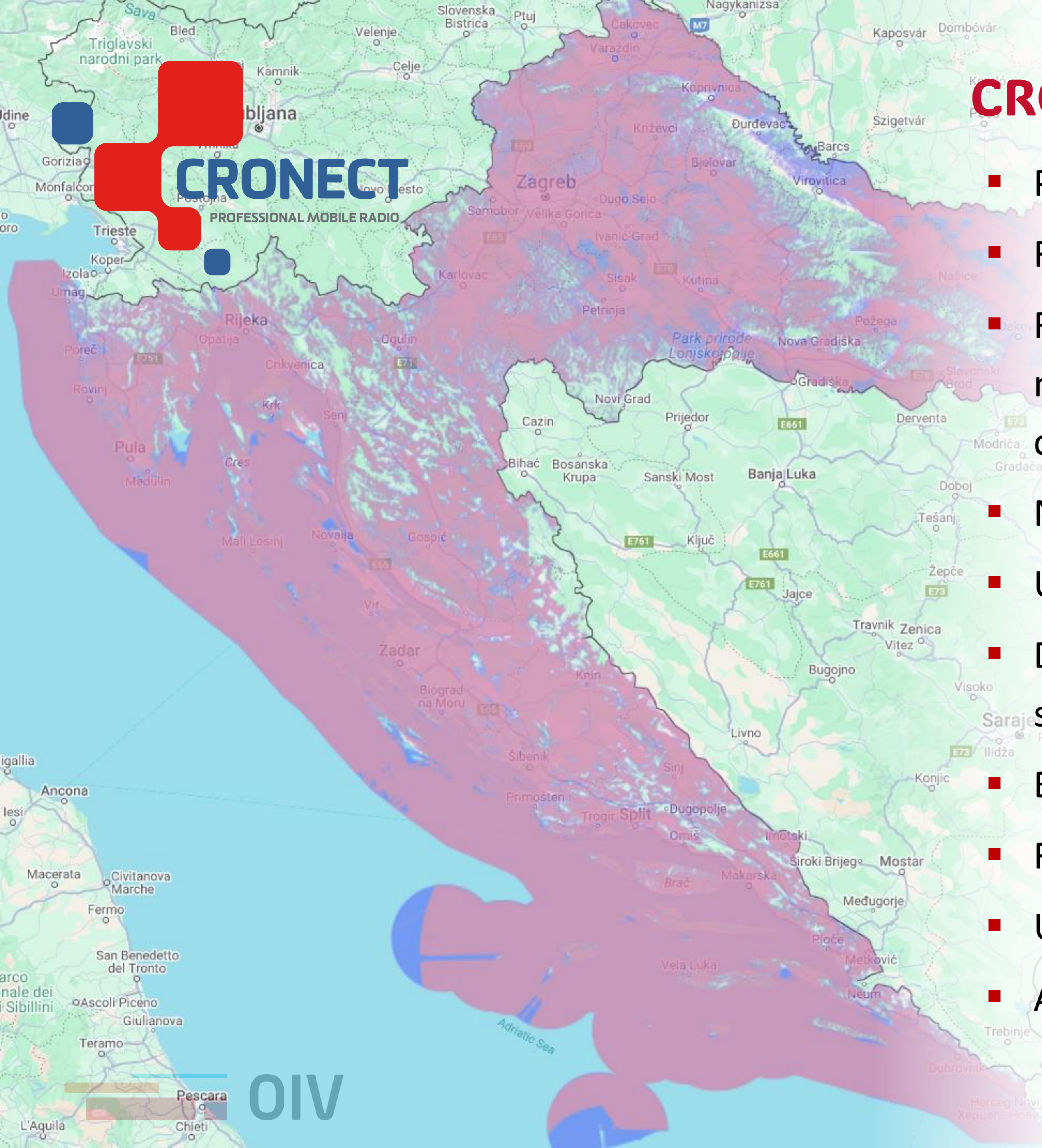
**900**

GB/s optical Internet backbone bandwidth

**1 NOC**

+ 4 regional Network Operations Centres





# CRONECT PMR

- PMR – Professional Mobile Radio
- Facilitates voice, text or data communications
- Fully reliable system - operational even in cases of natural disasters or interruption of conventional communication links.
- National coverage 88%
- Using protected UHF radio spectrum 410/420 MHz
- DMR Tier3 – modern trunking DMR based on ETSI standard
- E2E 40/256-bit encryption
- Flexible and easy to manage
- User priority / hierarchy organisation
- Ad-hoc event deployment

# MCX – securing the future critical communications

- Enhancing Narrowband CRONNECT technology to modern Wideband technology on 4G/5G
- MCX – Mission Critical Services
- Broadband critical communications applications and the underlying infrastructure that supports public protection and disaster relief management
- Essential for first responders like police, firefighters, and medical services, government...
- Ensuring they have a responsive, robust, and secure network during emergencies
- Services like MCPTT, MCDData, MCVideo



Looking forward to the panel  
discussion

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