

Towards the roll-out of highly customizable Future 5G Networks

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67%

international
activities



19

countries with
local presence



1,722

employees
worldwide



**A global telecommunication systems and
solutions vendor with extensive know-how
and a proven track record.**

70

countries we
export to



3

R&D
centers



40

years of
experience



Core Offerings – Markets Served

Core Offerings



Wireless Access & Transmission

Intracom Telecom products employ the most advanced field-proven technologies achieving and exceeding the level of performance required by the modern applications for wireless access and backhaul.



Telco Software Solutions

Intracom Telecom has been building and enriching a wide portfolio of advanced telco software solutions, enabling Operators to generate new revenues and boost their Customers' Experience.



ICT Services & Smart City Solutions

Intracom Telecom strategically focuses on the delivery and operation of top-notch services for converged networking and cloud computing solutions. The company also offers a range of Smart City solutions.



Energy Solutions

Intracom Telecom designs, installs and commissions energy-related systems, providing Smart Grids and Energy Management solutions.

Markets Served



Telecom Operators



Utility Companies



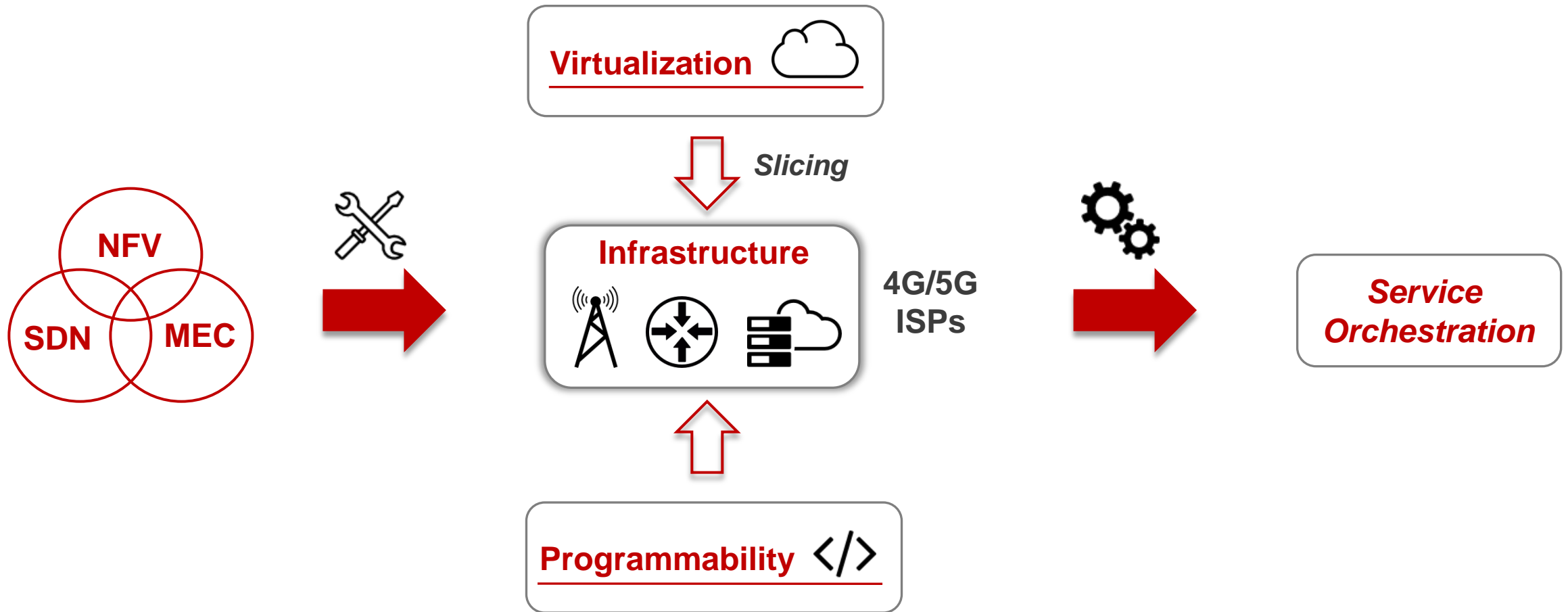
Large Enterprises



Healthcare Institutions



Public Authorities



Focusing on **Verticals** – Network Services

Content distribution

(Industrial) IoT

Edge oriented – (not limited)

Multi-access: WiFi, 4G, 5G

Single and **multi-domain**

4G/5G , ISPs

Leveraging on **multi-tenancy**

Cross-slice synergies and value-added service composition

**Service
Orchestration**

Zero-touch Resource allocation
Lifecycle management
Resilience
Auto-scaling
Optimizations
...

5G Related Products & Services



Wireless Front-/Back-haul

- ▶ 1–10 Gbps
- ▶ PtP / PtMP
- ▶ SDR & SDN-enabled
- ▶ Ethernet / CPRI for Backhaul / Fronthaul
- ✓ *Multiple deployments around the globe*



NFV Accelerator Platform

- ▶ Performance & Energy aware placement
 - ✓ 14-30% Power ✓ 30-60% Data Rate
- ▶ Non-disruptive tenant collocation
- ▶ Adaptive SLA-guided NS optimization
- ▶ Automated HW / SW & workload profiling

NFV-ready Virtualized Wi-Fi

- ▶ Multi-access Edge Computing
- ▶ End-to-end Slicing & Multi-tenancy
- ▶ Accelerated Service Deployment
- ▶ SFC support ▶ Rich VNF Library
- ✓ *Completed pilot tests for MGTS (CIS)*

Media & Entertainment

- ▶ Live TV / VoD / multi-play services
- ▶ Full-fledged: encryption, transcoding, distribution & reception of content
- ▶ Web, Smart TV/Phone, Tablet Interfaces
- ✓ *Multiple deployments e.g., USA*



5G Research Activities

Network & Service Management

- ▶ Softwarization of WindPark Networks
- ▶ Cross-domain Slicing & KPI monitoring
- ▶ Optimized cross-slice communication
- ▶ MEC orchestration
- ▶ IoT Slicing

Advanced Wireless Network Infrastructure

- ▶ SDN / SDR Wireless Backhaul
- ▶ Transport Network Slicing
- ▶ RoF-based Fronthaul
- ▶ mmWave Beamforming
- ▶ Terahertz Communications

H2020 / 5G PPP Projects



Standardization



Technologies / Frameworks



Multiple Vertical domains

- **Media & Entertainment:** large event coverage (sports, festivals, *etc.*)
- **PPDR:** first responders video sharing
drone-based surveillance / coordination
crowd-management, *etc.*
- **Smart X-culture:** agriculture/fish farming, field monitoring
- **eHealth:** ambulance support/remote expert guidance, *etc.*
- **Automotive:** see-through overtaking infotainment, *etc.*

Enhanced Video Streaming Services / vCDN - eMBB

- High resolution and/or VR/360 video streaming
- User Generated Content / Personalization / multi-party streaming / social networking
- AR and Video Analytics application support: streaming / MEC infrastructure

Infrastructure support

- Wireless backhauling for facility extensions
- MEC orchestration
- IoT Slicing: multiple verticals/applications sharing IoT infrastructure

thank you

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