

Managing Large Scale Virtualization Projects in Telco Environment

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Partnering to build the networks of tomorrow.

Odine is a global **technology** partner empowering sustainable network transformation, building resilient and software-defined networks of the future.

Odine is publicly listed on the Borsa İstanbul (BIST: ODINE), demonstrating our commitment to transparency, accountability, and delivering long-term value to our shareholders.

We work as partners, not as a supplier to our customers.





Odine in numbers

Years in **Business**

20+



Global **Customers**

3

Technology Fast 50 TURKEY WINNER Deloitte.







4 built

23

Countries in Client Base

International Office Locations

			AWARDS		HIB	T
BERLIN 2022 HE CLOUD INNOVATIVE AWARD ODINE	BERLIN 202 THE CLOUD & EDCE COM TING INNOVATIVE AWAR ODINE	IPO-	RLIN 2024 PROJECT OF THE YEAR ODINE	ACCELERATING EXPORTS AWARDS 2024 Technology Innovation Category		
v de unite	Tisso 27001 Information Becurity Management System	LSO 22301 Business Confinutly Management Systems	ISO 20000-1 I Service Mariagement	ISO 9001 O-aliy Management Systems	ISO 14001 Endranestal Managemore Systems	





TURKCELL TELCO CLOUD

Key Drivers of Success

Pioneering Vision

Turkcell's ambition to lead in technology innovation has been the foundation of this groundbreaking transformation.

State-of-the-Art Platforms

OpenStack and OpenShift were chosen for their proven leadership in delivering robust, scalable, and flexible cloud solutions.

Unmatched Expertise

A collaborative effort from Odine, Red Hat, and Turkcell teams brought unparalleled knowledge and technical proficiency to the project.

Strategic Coordination

Seamless management of this large-scale, multistakeholder initiative ensured alignment, efficiency, and timely delivery.



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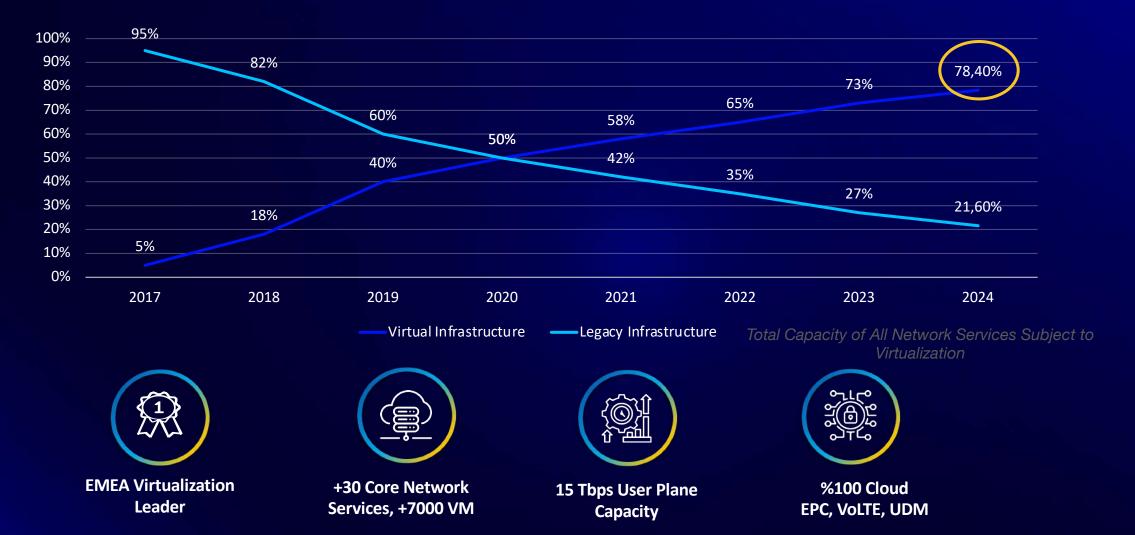


LEADING DIGITAL OPERATOR

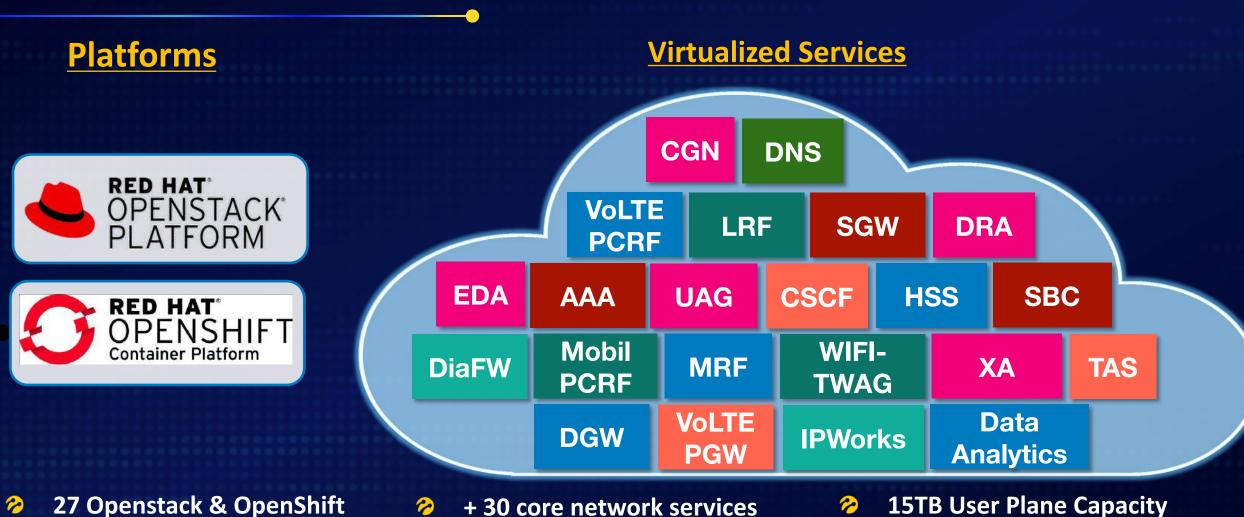


Turkcell Virtualization Journey

General Network Virtualization Ratio



Turkcell Telco Cloud 2

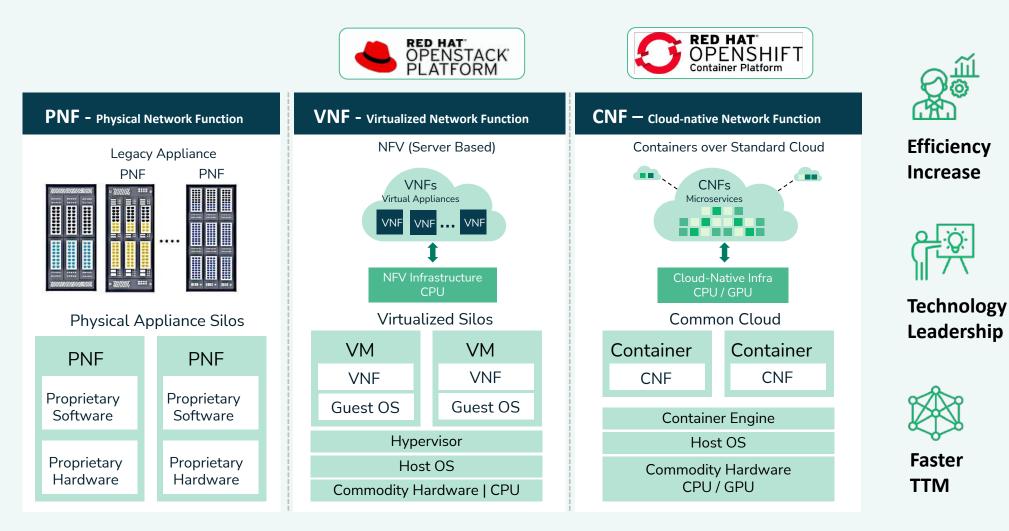


? **9 CEPH Clusters** 2 + 7000 VM

- **15TB User Plane Capacity** 8
- %100 Virtual IMS, 24M 2 subscribers



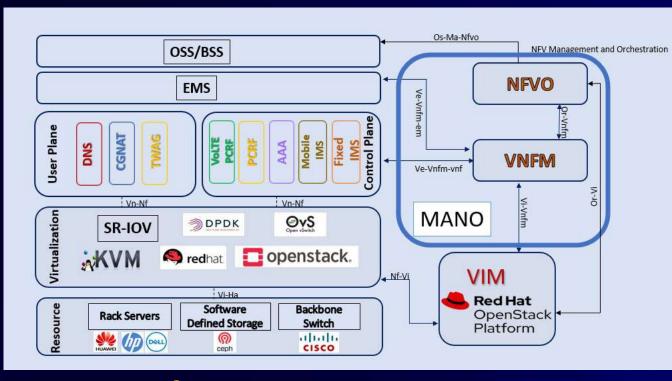
Journey to the Cloud-Native



Ease of Management



Secure Infrastructure





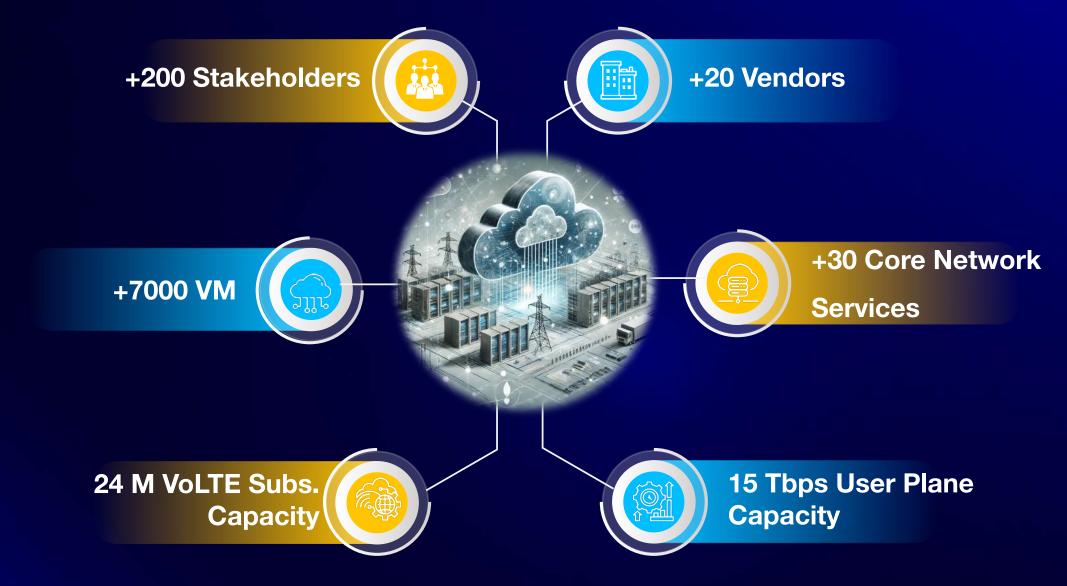
%100 Cloud EPC, VoLTE, UDM



Seamless Modernization









Waterfall Methodologies

- Design, Testing
- FNI, Rollout

Agile Methodologies

- Focus Group
- Daily Stand-Up Meetings
- Backlog Management



- Defining Priorities
- Managing Changes
- Resolving Blocker Issues
- Managing Uncertainty



- Identification
- Assessment
- Response Planning
- Monitoring
- Contingency Planning







- For the first time globally, upgrade completed w/o rerouting the traffic
- Seamless modernization
- Mitigated End of Support (EoS) risk
- Patent Application: 2024 / 016116



Empower the next phase of networks

Pioneering Partnership with Red Hat and Turkcell

Together, executing a world-class, large-scale cloud and container transformation with zero service disruption.

Automation as a key to Success

Leveraging Red Hat Ansible and Odine's orchestration, enabling seamless operations in massive cloud environments.

5G and Beyond

Preparing for 5G with containerized infrastructure and microservices, supported by OpenShift.

Towards Autonomous Systems

Integrating AI with automation to achieve an autonomous, adaptive network management structure.





Thanks