



Iskratel Voice Modernisation Virtualized IMS/VoLTE Solution

Why Iskratel:

- Slim and cost-efficient solution
- Fully standards compliant
- Provides operator grade multimedia IMS voice services
- Builds on a standardized SCC and eSRVCC mechanism

In the turbulent telecommunication markets, Telco operators are challenged with falling prices on voice services due to competition and new communication channels. Furthermore, they are faced with high OPEX for existing network equipment, which in the worst case might even be declared as end of life by the vendors.

IMS based network architecture, introduced by the standardization bodies and implemented by all major vendors, provides an answer to both challenges.

SIMPLIFIED NETWORK TRANSFORMATION

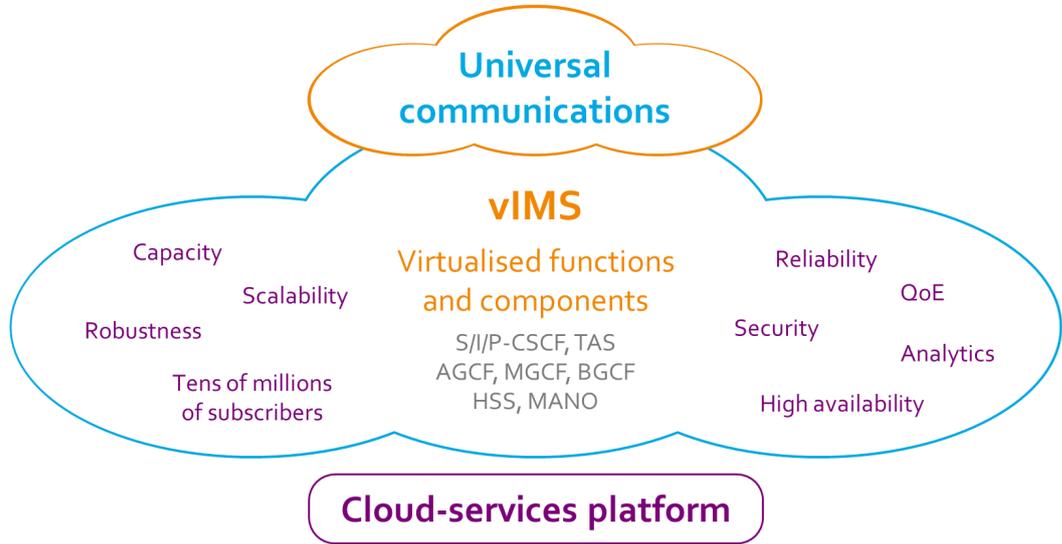
The investment costs that are required for complete network transformation are usually too high and operators do not see the business case in it.

End customers are unwilling to accept any additional costs for the operator's technology transformation.

Therefore the key to an agile operator network is to develop a comprehensive architecture deployed on a flexible infrastructure.

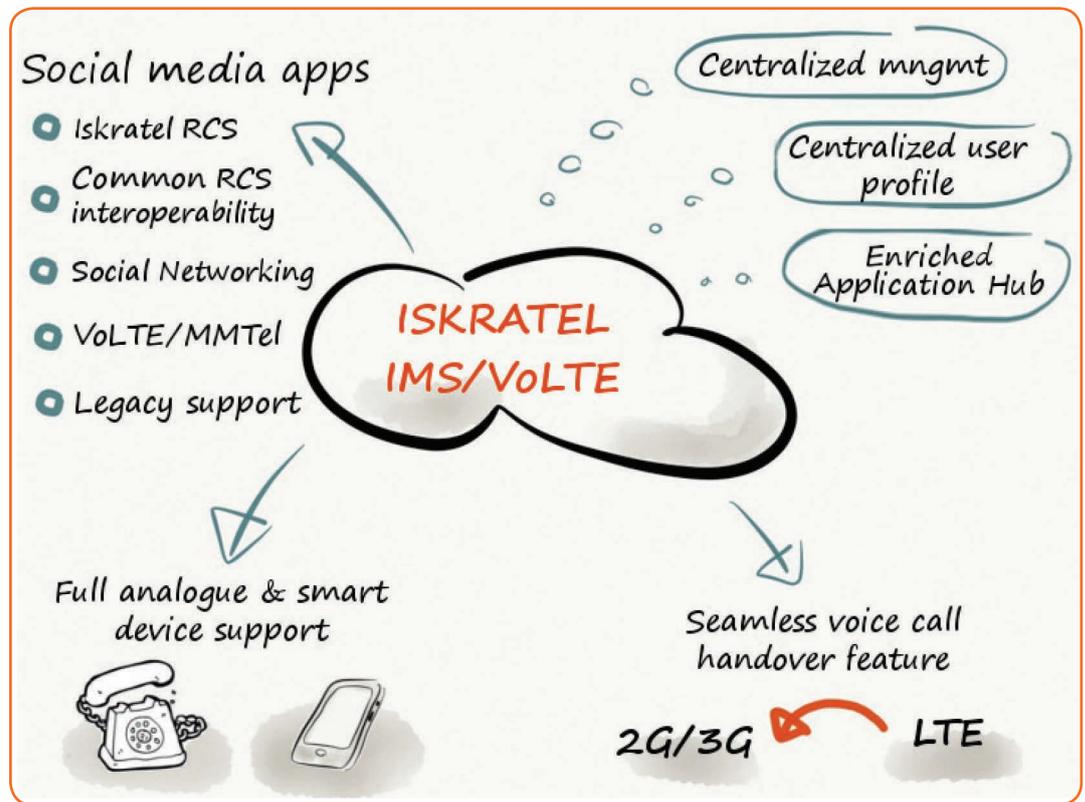
Iskratel took these challenges under consideration when developing its solution. By implementing the solution on NFV principles, solution provides a flexible telecom-grade platform on which a variety of communication services can implemented.

Services can be quickly and easily deployed and automatically scaled up or down with the support of orchestrator in line with customers demand.



Operator benefits:

- Multi tenancy support
- SaaS implementation model
- Short implementation time with auto-deployment and auto-scaling
- Substantial savings in terms of cost and lead time



CONTROL ELEMENT PLACED INTO CLOUD

Iskratel SW defined IMS network elements are decoupled from HW through Iskratel virtualization middleware and deployable on any x86 based hardware and supports also onboarding on any KVM based cloud platform. Cloud implementation enables hosting operators with new SaaS model for providing each tenant with its own, logically separated, virtual network, which can be deployed only for certain period of time.

With only SW implementation the time to service operation is reduced which in turn reduces the costs.

Since the solution is based on VNF elements, scaling and mobility within and across data centers is enabled.

Virtual IMS solution is providing carriers with service environment for the lowest investment costs.

Through common network element management with open standard interfaces, the integration with an operator OSS/BSS is a straight forward process which is supported by the Iskratel professional support team.

Network element manager provides the ability to continuously optimize cloud network elements by monitoring the network performances. It ensures reliability, security and analytics for full SLA support.

The Iskratel solution protects the existing investment in the infrastructure and enables operators to create an environment for the deployment of new, exciting services.

ISKRATEL Group

Iskracom, Naurizbay batyra 17, office 213, 050004 Almaty, Kazakhstan, phone: +7 727 244 82 22, fax: +7 727 244 82 19, e-mail: info@iskracom.kz, www.iskracom.kz

Iskratel, Ljubljanska cesta 24a, SI 4000 Kranj, Slovenia, phone: +386 4 207 20 00, fax: +386 4 202 26 06, e-mail: info@iskratel.si, www.iskratel.com

Iskratel Baku, Fazail Bayramov str. 2, kvartira 2, AZ1025 Baku, Azerbaijan, phone: +994 12 496 73 71, e-mail: info@iskratel.az, www.iskratel.az

Iskratel Bosnia and Herzegovina, Kuloviča 3/IV, 71000 Sarajevo, BiH, phone/fax: +387 33 225 602, e-mail: emir.cengic@iskratel.si, www.iskratel.com

Iskratel Moldova, Teatralniy pereulok 15, Kishinev, Moldova, phone: +373 22 20 03 03, fax: +373 22 21 00 02, e-mail: iskratel@mtc.md, www.iskratel.com

Iskratel Poland, Legnicka str. 55/4, 54-203 Wroclaw, Poland, phone: +48 71 349 29 05, fax: +48 71 349 29 02, e-mail: m.trzcinski@iskratel.pl, www.iskratel.com

Iskratel Tashkent, pr. Amira Temura, 99A, 100084 Tashkent, Uzbekistan, phone: +998 71 234 38 89, e-mail: sharifov@iskratel.si, www.iskratel.com

Iskratel Turkey, Bestekar Sevki Bey Sokak No 34, Balmumcu Besiktas Istanbul 34349, Turkey, phone: +90 212 211 1020, e-mail: samo.ivancic@iskratel.si, www.iskratel.com

Iskratel Ukraine, Sichovykh Striltsiv st. 72a, 04050 Kiev, Ukraine, phone: +380 44 394 50 00, fax: +380 44 394 50 12, e-mail: itu@iskratel.si, www.iskratel.com

Iskrauraltel, Komvuzovskaya str. 9a, 620137 Ekaterinburg, Russian Federation, phone: +7 343 210 69 51, fax: +7 343 341 52 40, e-mail: iut@iskrauraltel.ru, www.iskrauraltel.ru

ITS Iskratel Skopje, Kej 13 Noemvri, Kula 4/2, 1000 Skopje, Macedonia, phone: +389 2 323 53 00, fax: +389 2 312 05 58, e-mail: info@its-sk.com.mk, www.its-sk.com.mk