Dialogic® ControlSwitch™ System Helps Turkcell Superonline Transform Its IP Multimedia Subsystem and Core Switching Networks

CASE SUMMARY

Challenge
Turkcell Superonline, a fast growing innovative telecom operator in Eastern Europe, needed a replacement for its end-of-life Cisco Systems, Inc. (Cisco) PGW 2200 softswitch deployments to support its any-to-any connectivity requirements.

Solution
Turkcell Superonline replaced its legacy softswitches with the Dialogic® ControlSwitch™ System, an IP Multimedia Subsystem (IMS) ready Media Gateway Control Function (MGCF) solution, which provided it a cost effective and operationally efficient way to leverage its existing base of Cisco AS 5300 Series Universal Gateways and seamlessly interconnect to its Ericsson IMS core network.

"It [the Dialogic ControlSwitch System] provided us with a cost effective and operationally efficient way to leverage our existing base of Cisco gateways and seamlessly interconnect to our Ericsson IMS core network."

- Barbaros Özdemir, Director of Corporate Business Management, Turkcell Superonline
System softswitch, but also enable it to still utilize the existing embedded base of Cisco AS5000 series Universal Gateways which helped them save considerable CAPEX, time and OPEX on the overall project. A Dialogic® I-Gate® 4000 EDGE Media Gateway was used to provide the legacy SS7 connectivity, and the interoperability and flexibility of the ControlSwitch System allowed Turkcell Superonline to seamlessly interconnect to other IP-based networks through its existing third party session border controllers (SBCs) and interwork with its current application servers and growing IMS network.

Turkcell Superonline was impressed with Dialogic’s experience in helping other customers successfully and seamlessly transition from not only the PGW 2200 technology, but also other legacy IP and TDM switches from other well-known infrastructure vendors. Turkcell Superonline saw this expertise and implementation support first-hand as Dialogic helped it interconnect its IMS infrastructure as well as its TDM and NGN networks.

Turkcell Superonline felt that Dialogic’s solution brought increased functionality to a service provider’s operating environment, which led Barbaros Özdemir, Director of Corporate Business Management, to comment, “After evaluating a number of vendor options we chose the Dialogic’s ControlSwitch System as our MGCF solution. It provided us with a cost effective and operationally efficient way to leverage our existing base of Cisco gateways and seamlessly interconnect to our Ericsson IMS core network.” Some of the solution features that stood out most to Turkcell Superonline included:

- Support for a wide array of signaling protocols for IP-to-IP and IP-to-TDM interworking including SIP, SIP-I, H.323, SS7, SIGTRAN and PRI
- IMS MGCF support with seamless interworking with Turkcell Superonline’s IMS core from Ericsson and interoperability with existing application servers
- The ability to support an existing base of Cisco AS5000 series Universal Gateways without a forklift upgrade compared to other vendors’ approaches
- Geographical redundancy for high availability and continual processing of mission critical customer traffic
- Extensive routing capabilities, including support for LNP
- Higher bandwidth compression rates (up to 16:1) with the use of Dialogic® I-Gate® 4000 Media Gateways

**Result**

With Dialogic’s solution, Turkcell Superonline was able to leverage its existing investment in legacy gateway platforms and third party SBCs. The experience of Dialogic’s professional services in helping customers transition from their end-of-life technology was important from a service continuity and service integrity perspective. Mr. Özdemir further noted, “Dialogic’s commitment to the technology, and its experience with successfully transitioning service providers like us from legacy switching platforms was an added incentive and meant our customers would be minimally impacted.”

Finally, Turkcell Superonline saw in Dialogic the commitment to helping it advance its IMS IP transformation initiatives as well as support its near term service delivery needs and cost constraints with a comprehensive any-to-any connectivity solution. In summing it up, Mr. Özdemir added, “Our VoIP business will continue to grow with Dialogic’s solutions and support.”

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About Superonline
Turkcell Superonline is "#1 Alternative Telecommunications operator" and "Fastest Growing ICT Company for the last 3 years" (according to the latest ICT500/Turkey listing published July 2010). Turkcell Superonline is an innovative telecom operator providing communication solutions to telecom operators, corporations and households in the areas of data, voice and video (triple play).

For more information visit www.superonline.net

About Dialogic
Dialogic inspires the world’s leading service providers and application developers to elevate the performance of media-rich communications across the most advanced networks. We boost the reliability of any-to-any network connections, supercharge the impact of applications and amplify the capacity of congested networks. 48 of the world’s top 50 mobile operators and nearly 3,000 application developers rely on Dialogic to redefine the possible and exceed user expectations.

For more information visit www.dialogic.com