

## Russia's RTRN picks Nevision to help transition its terrestrial network to digital

*Nevion's T2 bridges and TS monitors deployed in one of the largest DTT networks in the world*

**Oslo, Norway, 23 August 2018** – [Nevion](#), the award-winning provider of virtualized media production solutions, has announced that the [Russian Television and Radio Broadcasting Network \(RTRN\)](#), has deployed Nevision T2-bridge and TS monitoring equipment to support its move from analog TV to digital TV. RTRN's DTT network covers 85 regions, across five time-zones and has around 5,000 transmission sites.

RTRN started its investigation into a digital TV solution for the analog switch-off in 2011, with a requirement for each of the 85 regions it covers to be able to transmit a combination of the national and regional feeds. The national feeds are composed of the national broadcasting group (VGTRK) and private commercial broadcasters.

Due to the size of the country, the most cost-effective way to get the feeds to the transmission sites is to use satellites, as laying fiber for IP connectivity would be too expensive. The national feeds are sent via satellite from a federal head-end, while the regional programming is sent from regional head-ends via a dedicated satellite feed. The main challenge was then how to combine two satellite feeds onsite, ready for transmission by the DTT towers. A further challenge was to operate in single frequency network (SFN) to minimize the number of DTT frequencies used – as these are scarce.

To solve these challenges, RTRN decided on a multi-vendor approach, selecting three vendors to provide the regionalization equipment. Nevision's CP330 was chosen for 1/3 of the transmission sites.

Nevion is also providing TS-monitoring equipment from its nSure family, to enable fast fault detection and diagnostics at each regional head-end.

Igor Stepanov, press secretary, RTRN explains: "Nevion was chosen to be part of this extensive project not only because of the capabilities of the products and the expertise of the company, but also because it was able to manufacture and ship the large number of units required within the necessary time-frame for the roll-out".

Hans Hasselbach, Chief Commercial Officer for Nevision, commented: "Nevion has a great track record in digital terrestrial networks. For example, our products are used in over 2/3 of all DVB-T2 networks worldwide so naturally we are proud to have been able to work with RTRN to bring our knowhow to one of the world's most extensive networks!"

Igor Stepanov concludes: "Our new DVB-T2 network went live at the start of 2018, and has been working as planned, including throughout June and July for the FIFA World Cup in Russia."

Nevion will be [showing its DTT products and solutions on its booth \(1.B71\) at IBC 2018](#), 13-18 September, at RAI Amsterdam (The Netherlands)

For more information about NeviON and its solutions, please visit the [Nevion website](#).

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### **About NeviON**

*As the architect of virtualized media production, NeviON provides network and broadcast infrastructure to broadcasters, telecommunication service providers, government agencies and other industries. A pioneer in media transport, NeviON enables the transport and management of professional-quality video, audio and data – in real time, reliably and securely – from the camera to the home. From content production to distribution, NeviON solutions are used to power major sporting and live events across the globe. Some of the world’s largest media groups and telecom service providers use NeviON technology, including AT&T, NBC Universal, Sinclair Broadcast Group Inc., NASA, Arqiva, BBC, CCTV, EBU, BT, TDF and Telefonica.*

*For more information please visit [www.nevion.com](http://www.nevion.com). Follow NeviON on Twitter @nevioncorp*

### **About RTRN**

*RTRN is the federal DTT operator for the entire country of Russia. RTRN designed the DTT network which they also operate in its entirety. They also own the frequency towers so are completely responsible for the transmission of programming from both national and regional transmissions, reaching 85 regions in the country.*

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### **Media Contacts**

*Media contacts: The Whiteoaks Consultancy*

*Elise Ivens-Barnes*

*t: +44 (0)1252 727313*

*e: [elisei@whiteoaks.co.uk](mailto:elisei@whiteoaks.co.uk)*