

Finland's Digita chooses Nevision technology and services to build nationwide IP media network for radio services

Solution transforms workflows, putting users in control

Oslo, Norway, 23 March 2021 – [Nevion](#), a Sony Group Company and award-winning provider of virtualized media production solutions, announced today that [Digita](#), a Finnish technology company specializing in communication networks, picked Nevision to help create a new workflow-transforming and highly innovative IP media network for the FM and Internet radio services of Finland's national broadcaster Yle. The new IP network replaces an existing network based on older technology.

The objective of the project was to have a solution that would put journalists and production staff in control, enabling them to collaborate freely across Finnish regions and distribute their programs on air to any regions themselves – in a way that was not possible previously. This more agile production would enhance the listeners' experience.

The key to delivering on that objective was to have a modern IP media network for contribution and primary distribution that could be controlled in a simple way from any location. The network needed to connect approximately 50 national and regional studios, and 6 main switching centers and 47 transmitter sites. This network also had to be extremely resilient as it is a key part of the countrywide Emergency Alarm System (EAS).

Despite the travel restrictions imposed by the COVID-19 pandemic, Digita and Nevision worked remotely, together with the broadcaster, to create the new IP media network solution, which went live in January 2021. The solution is built primarily on the Nevision's software-defined media node, [Virtuoso](#) and its orchestration and SDN control software, [VideoIPath](#).

Virtuoso handles the reliable transport of audio streams over IP (SMPTE ST 2110-30) with full protection (SMPTE ST 2022-7). It also provides audio processing capabilities, including clean-switching and mixing of feeds from various studios.

VideoIPath controls the network end-to-end, including the LAN/WAN interconnections between Digita and Yle networks, and handles the several layers of redundancy needed in the network to ensure its total reliability.

In order to put the users in control, a custom user-interface to VideoIPath was developed, that largely replaces traditional broadcast controllers, and dramatically

simplifies production workflows – making the creation of localized content much easier. VideoIPath carries out the users' requests by controlling network and the audio switching in multiple Virtuosos simultaneously.

As part of this project, Nevion also has been providing consultancy services before and during the project, to ensure the solution delivered corresponded to the expectations, handling existing production workflows and even enhancing them.

Pekka Mattila, Senior Vice President, Radio at Digita said: "This was a complex project, needing to be delivered under exceptionally unusual and difficult conditions as a result of COVID-19, but we worked well together virtually, with a clear common goal. Nevion's expertise and experience has been a major contributor to the successful outcome of the project."

Hans Hasselbach, Chief Commercial Officer at Nevion concludes: "This project has been a really interesting one for us on many levels. It has given us the opportunity to deploy Virtuoso's most advanced audio capabilities, as well as use VideoIPath to really enhance the way Yle produces radio programs. It's also a project in which we have provided a substantial element of consultative services. And, of course, there was the COVID-19 situation, but we have proved again that our experts are able to rise to any challenge!"

For more information about Nevion's solutions, products and services, [please visit the website](#).

About Digita

Digita is a provider of digital infrastructure and services, and is Finland's largest independent owner of telecommunication masts. The company owns and operates Finland's leading terrestrial network for nationwide TV and radio transmissions, is a pay-TV operator on the terrestrial television network and develops broadcasting services for the future. Digita's telecommunications services include private networks, indoor coverage solutions, management services for rooftop telecommunications installations, IoT and data center services. The company provides services to media companies, consumers, mobile phone operators, industry, infrastructure enterprises and real estate owners. Digita employs 180 industry professionals nationwide. www.digita.fi

About Nevion

As the architect of virtualized media production, Nevion, as Sony Group Company, provides media network and broadcast infrastructure solutions to broadcasters, telecommunication service providers, government agencies and other industries. Increasingly based on IP, virtualization and Cloud technology, Nevion's solutions enable the management, transport and processing of professional-quality video, audio and data

– in real time, reliably and securely. 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.

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