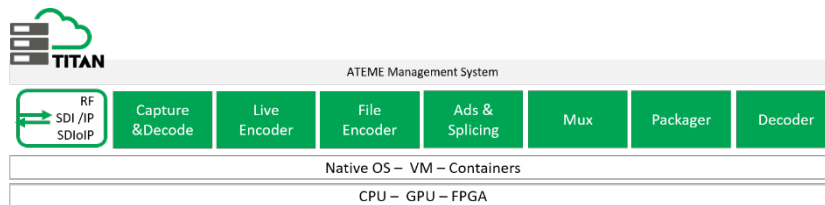


NOVELSAT and ATEME Collaborate to Roll Out a New Integrated Satellite Broadcast Solution

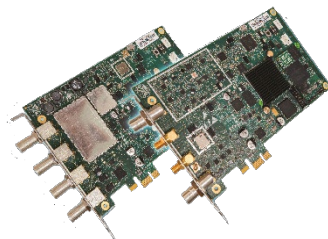
Technology partnership results in integrated UHD video encoding and satellite modulation unit to reduce broadcasters' operating costs.

Ra'anana, Israel, April 5, 2018 – NOVELSAT, a world leader in satellite transmission technology, today announced that the company has extended its technology cooperation with ATEME, a global leader in video delivery. The new collaboration between the long-time partners includes the integration of NOVELSAT's state of the art PCIe-based NS10C Satellite Modulator cards and NS20C Satellite Demodulator cards into the ATEME's TITAN software converged headend solution. The new integration was rolled out to offer broadcasters enhanced solution for HD and Ultra HD transmission by including high-efficiency satellite signal modulation within single unit video encoding/decoding, compression and acceleration.

TITAN© Live from ATEME is a high-quality, HD video software compression solution, designed for Cable, DTH and OTT live delivery of mobile, SD, HD and 4K Ultra HD content. TITAN Live is a True virtualized software-based solution, based on the ATEME 5th Generation STREAM© compression engine. It delivers the highest video quality at minimum bitrates with accelerated parallel processing.



ATEME TITAN Architecture



NOVELSAT NS10C & NS20C PCIe-based Satellite Modulator and Demodulator Cards

The PCIe-based NS10C and NS20C satellite modulator and demodulator cards from NOVELSAT are designed for easy integration into any PC-based satellite broadcast platform. They are ideal for both terrestrial and space-side OEM satellite broadcast applications including mobile flyaways and SNGs. Designed to meet the demands of any broadcast application, the new NOVELSAT cards support all satellite transmission standards, including DVB-S/S2/S2X, DVB-CID and NOVELSAT NS4, as well as the

NOVELSAT DRM (Digital Rights Management) license. The PCIe form factor reduces space and equipment demands, power consumption and maintenance.

When equipped with the optional NOVELSAT NS4 waveform, the NS10C/NS20C cards support high data rates of up to 425Mbps using 80Msps, enabling transmission of a single carrier over an entire 84MHz transponder. NOVELSAT NS4 delivers satellite bandwidth savings of up to 45% compared with DVB-S2 and 21% vs. DVB-S2X. The NS20C also packs groundbreaking signal processing methods such as an adaptive equalizer and error correction techniques that enable the receiver to be more resilient to impairments.

“Our past collaboration efforts with NOVELSAT have led to successful technology solutions that provide significant advantages and savings for satellite broadcasters,” said Remi Beaudouin, ATEME VP Marketing. “Integrating NOVELSAT modulators and demodulators into our TITAN platform is another great example of how complementary technologies are even more powerful together.”

“NOVELSAT engineers and our colleagues at ATEME continue to single-mindedly design solutions that are easy to integrate so that the unique benefits of both systems can be combined into unified, cost-saving ‘super-solutions’,” said Efi Levinzon, NOVELSAT CPO. “Our PCIe-based satellite modulator and demodulator cards offer unmatched bandwidth efficiency. Together with ATEME’s high-quality, low-bitrate encoding and decoding, the TITAN platform is an easy choice for satellite broadcasters.”

About ATEME (PARIS: ATEME)

Transforming Video Delivery. ATEME is a global leader in AV1, HEVC, H264, MPEG2 video compression solutions for broadcast, cable, DTH, IPTV and OTT. More information is available at www.ateme.com. Follow us on Twitter: [@ateme_tweets](https://twitter.com/ateme_tweets) and [LinkedIn](https://www.linkedin.com/company/ateme).

About NOVELSAT

NOVELSAT is a leading provider of next-generation content connectivity solutions. Powered by innovative technologies, our broadcast and broadband solutions are transforming networks’ capabilities to expand growth potential and to drive new experiences on any device, anytime, anywhere. Our high-performance products for satellite and terrestrial content connectivity include integrated video solutions and highly efficient broadband connectivity solutions, as well as best-in-industry content security solutions. Transforming delivery of data and video with new levels of performance, efficiency, agility, and security, NOVELSAT empowers mission-critical and demanding applications for the telecom, enterprise, media, entertainment, government, and mobility markets. For more information visit www.novelsat.com