

ASN ANNOUNCES PIONEERING COLLABORATION WITH NANOMETRICS AND RBR ON SMART CABLE

Paris, September 25, 2024

Alcatel Submarine Networks (ASN) is pleased to announce a strategic collaboration with **Nanometrics** (NMX) and **RBR** to advance its innovative **Climate Change (CC)** solution, targeting the **SMART** (Scientific Monitoring and Reliable Telecommunications) Cable market. This collaboration leverages ASN's global expertise in subsea telecommunications, combined with high-precision seismic sensors from Nanometrics and advanced environmental monitoring technologies from RBR. Together, these cutting-edge technologies will enhance global connectivity and enable real-time environmental data collection, seamlessly integrating scientific monitoring capabilities into new subsea telecom systems.

UNMATCHED EXPERTISE AND INNOVATION

ASN, with an installed base of over 800,000 km of optical submarine cables worldwide, continues to lead the subsea transmission solutions industry. By joining forces with Nanometrics, the global leader in seismic instrumentation with over 50% of the broadband seismic instrumentation market, and RBR, a leader in precision environmental sensors, this collaboration sets a new benchmark for subsea SMART technology, combining cutting-edge innovations and unparalleled expertise.

PROJECTS ENHANCING DISASTER PREPAREDNESS AND SCIENTIFIC RESEARCH

ASN is contracted to design, manufacture, and deploy two pioneering **SMART** cable projects: Atlantic CAM in Portugal, Madeira, Azores, and Tamtam in Oceania, with deployment scheduled for 2026. These SMART cable systems will not only enhance underwater data connectivity but also provide critical real-time monitoring of seismic, tsunami, and environmental events. By delivering early warning signals, these systems will help save lives and reduce damage from natural disasters. Additionally, these deployments will generate valuable scientific data from previously unexplored areas of the ocean floor.

Alain Biston, President and CEO of ASN, stated, *"Our efforts to develop the SMART technology is another testimony of ASN's commitment to sustainability in the implementation of subsea optical networks. We believe that Nanometrics and RBR are the right partners for **developing this complete SMART solution**"*

INNOVATIVE CLIMATE CHANGE SOLUTIONS FOR SMART CABLE

For these contracts, ASN introduced its end-to-end **Climate Change Solution**, which integrates seismic and environmental monitoring capabilities into telecom subsea cable systems. Nanometrics has developed custom ocean-bottom seismic instrumentation, while RBR's sensors monitor critical environmental parameters such as temperature and pressure, thereby enhancing the cable's ability to support both telecommunications and climate science.

About Alcatel Submarine Networks (ASN)

Alcatel Submarine Networks, part of Nokia, leads the industry in terms of transmission capacity and installed base with more than 800,000 km of optical submarine systems deployed worldwide, enough to go almost 20 times around the world. From traditional telecom applications to content and "over the top" service provider infrastructures, as well as to offshore oil and gas applications, ASN provides all elements of turnkey global undersea transmission systems, tailored to individual customer's needs. An extensive services portfolio completes its comprehensive offering for the submarine business, including project management, installation, and commissioning, along with marine and maintenance operations performed by ASN's wholly owned fleet of cable ships. For more information, visit our website: www.asn.com

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About Nanometrics

Nanometrics is a global leader in seismic instrumentation, monitoring solutions, and scientific data analysis, enabling groundbreaking research and informed decision-making.

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About RBR

RBR designs and manufactures precision oceanographic instruments, known for their accuracy and reliability. RBR's commitment to advancing scientific research through innovative technology has made it a trusted name in the scientific community.