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PRESS RELEASE

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ODU connector solutions: New standards in military technology for training and simulation systems

Training and simulation technology in the military sector plays a decisive role for ODU connector solutions. The outstanding performance, reliability and precision of these connectors set new standards for data transmission via conventional copper-based cables, fiber optic cables, and their connectivity. ODU AMC® and ODU-MAC® connectors are ideally suited for modern military applications.

ODU AMC® connectors have proven to be indispensable components for data and signal transmission in military applications. They form the backbone of networked training systems, providing state-of-the-art infrastructure for realistic simulation and effective training.

Realistic development – Reliability in extreme conditions

ODU's unique selling point lies in continuously adapting and optimizing products to real operating conditions. Direct experience gained from various military units is used to develop the connectors. This includes the use of military data links to network command, control, reconnaissance, and weapon systems, as well as large-scale projects to integrate visual augmentation and vehicle-based training systems into the U.S. Armed Forces. German infantry modernization programs and insights gained from European main battle tank systems are also incorporated.

In demanding military simulation applications, the durability of ODU AMC® connectors is crucial. High shock and vibration resistance, as well as exceptional performance in

extreme environmental conditions, ensure reliable operation in the harshest environments. This is critical in both emergency and training scenarios.

Optimal networking and highly modular integration of complex systems

ODU AMC® connectors demonstrate their versatility in various military simulation technology applications, from laser- and IR-based live simulators to driver training devices and flight simulators. They not only provide optimal networking, but also allow the integration of fiber optics for ultra-fast data transmission over long distances. The highly modular ODU-MAC® series enables the integration of multiple signals, media, optical fibers, and power transmission modules in a single plug-in process. This makes it easier to commission complex systems in the field.

With its connectors, ODU is taking the “Train as you fight!” principle to a new level. Fast and accurate networking creates realistic deployment scenarios that prepare soldiers for their missions. ODU AMC® and ODU-MAC® connectors are essential key components in modern simulation technology and play a vital role in the future networking of shooting, combat and tactical training, laser- and IR-supported live simulators, driving training, and flight simulators in military applications.

ODU – WE GOT YOUR SIX