



## **LGS Innovations LLC Awarded DARPA Contract for Rapidly Deployable Undersea Network**

*Program seeks to develop new technology to restore network connectivity in contested environments*

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HERNDON, Va.--(BUSINESS WIRE)--LGS Innovations LLC, a provider of networking and communication solutions to government and commercial organizations worldwide, announced today that it has been awarded a \$1.9 million contract for the Defense Advanced Research Projects Agency's (DARPA) Tactical Undersea Network Architectures (TUNA) program.

LGS Innovations LLC – along with Linden Photonics and Tethers Unlimited – will aim to develop the world's strongest neutrally-buoyant undersea cable for an undersea fiber optic based network. Under the terms of the contract, LGS will provide model simulations, design, and analysis as well as scaled development and demonstration for the technology over a period of 15 months.

“The goal of the program is to ensure that our armed forces retain an information advantage even in contested environments where potential adversaries may attempt to disrupt other communication channels,” said Kevin Kelly, CEO of LGS Innovations LLC. “LGS’ advanced R&D capabilities will be leveraged to support of our national defense through extreme cutting edge network technology and science.”

The DARPA TUNA program seeks to temporarily restore tactical data network connectivity in contested environments through the use of novel optical-fiber-based technology. Currently in an initial phase, the program emphasizes concept and technology development in three technical areas: system design, small fiber optic cable systems, and buoy nodes. DARPA plans a second phase focused on the implementation of an integrated end-to-end network prototype.

## **About LGS Innovations**

LGS Innovations LLC delivers next generation solutions that solve the most complex networking and communications challenges facing the U.S. Federal Government, state and local governments, foreign governments, and commercial enterprises. LGS offers groundbreaking research and development and builds advanced wireless, optical, and wired products and applications customized for specific mission environments. These solutions provide unique information and data security advantages that lead to the operational success of its customers.

LGS Innovations LLC is a U.S.-owned company headquartered in Herndon, Virginia. Formerly a subsidiary of Alcatel-Lucent, LGS is the exclusive reseller of Alcatel-Lucent products and services to the U.S. Federal Government and any other entity when the end customer is the U.S. Federal Government. LGS maintains strong ties to Bell Labs and its technologies, preserving a deep heritage of creative, life-changing innovations. Employing nearly 770 associates - including more than 450 scientists and engineers – LGS also holds offices in Colorado, Florida, Illinois, Maryland, New Jersey, New Mexico, and North Carolina. To learn more about LGS Innovations, visit [www.lgsinnovations.com](http://www.lgsinnovations.com).

## **About Linden Photonics**

Linden Photonics has developed a range of miniature, high strength optical fiber cables and hybrid cables for environments where high strength and compact size are required. Linden's fiber optic and hybrid cables are optimized for underwater use and in larger umbilicals, combining high strength, low weight, and small size.

On the forefront of polymeric design, Linden has worked with the Navy, its prime contractors and many local manufacturing and plastics experts to develop a proprietary, low cost manufacturing process for the production of high strength, small diameter cables with single or multiple optical fibers. To learn more, please visit [www.lindenphotonics.com](http://www.lindenphotonics.com).

## **About Tethers Unlimited, Inc.**

Tethers Unlimited, Inc. develops transformative technologies for Space and Defense missions. Its technology portfolio includes tether systems, advanced space propulsion systems, frequency-agile software defined radios for small satellites, and systems for in-space additive manufacturing of spacecraft components. To learn more about TUI and its products, please visit [www.tethers.com](http://www.tethers.com).