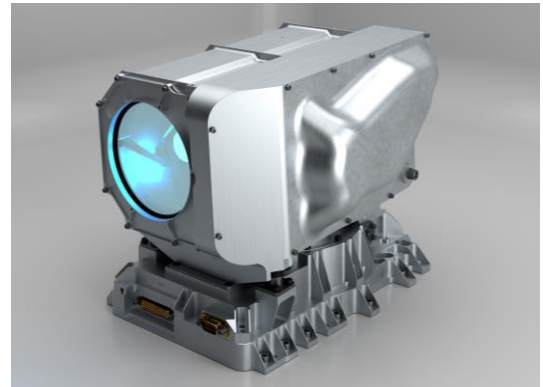




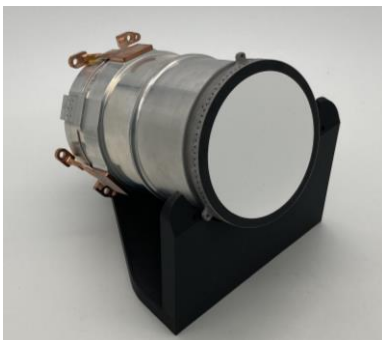
Media Lario Telescopes selected for Tesat's SCOT80 Laser Communication Terminals

Bosisio Parini, Italy, 21 October, 2025 – Media Lario has been awarded a contract by TESAT-Spacecom for the supply of high specification telescopes for the SCOT80 Laser Communication Terminals for the Telesat Lightspeed™ satellite network.

The SCOT80 is the flagship laser communication terminal from Tesat and will include telescopes from Media Lario based on our unique and patented Repli-formed Optics™ process. The SCOT80 terminal has been selected for Telesat Lightspeed, a highly innovative global network developed by Telesat of Canada, initially comprised of 198 state-of-the-art Low Earth Orbit (LEO) satellites, seamlessly interconnected by about 800 terminals to create a resilient mesh network in space, much like an optical fibre network on ground. Media Lario's telescopes are integrated into the terminal to transmit and receive focused laser beams carrying high-speed data over several thousand kilometres in space.



Rendering of SCOT80 Laser Communication Terminal (courtesy of TESAT).



Media Lario's Telescope for the SCOT80 Laser Communication Terminal of Tesat

Media Lario's opticomms telescope is based on an on-axis design and is made with a lightweight aluminium architecture resulting in a total mass of just 1 kilogram. High specification mirrors are produced with our proprietary Repli-formed Optics™ technology, a paradigm shift in optics manufacturing whereby identical mirrors are produced on highly accurate moulds ensuring consistent quality and very short production times - a few hours - compared to traditional techniques. The process is industrially scalable to many thousands of units per year ensuring high quality and repeatability with minimal metrology. Telescopes can be produced the moment mirrors are removed from their moulds and, with mounting and alignment features already in place, can be completed in less than a day.

Jeff Lyons, CEO of Media Lario, said, "We are grateful to Tesat for taking the time to evaluate and ultimately select our Repli-formed Optics™ technology for their flagship laser communications terminal. Tesat quickly recognized the scalable nature of our optics technology and, in choosing it, validated our decision to fully back this technology for this rapidly growing industry. We are very proud to be working with Tesat and to be part of the SCOT80 laser communications terminal which has not only been selected for Telesat's Lightspeed satellite constellation but is also intended for future satellite constellations. We believe that laser optical communications is the future for satellite communications and will also see ground-based applications. In our view, telescopes are the new fiber-optics for modern secure communications networks."

Media Lario is located north of the industrial hub of Milan, Italy, in the region of Lake Como in Lombardia, an area rich with heritage and expertise in the precision optics and space industries.

For more information on Telesat Lightspeed, please visit: <https://www.telesat.com/leo-satellites/>

For more information on TESAT-Spacecom, please visit: <https://www.tesat.de/>

For more information on Media Lario S.r.l., please visit: <http://www.medialario.com/>

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