

FSO INSTRUMENTS

“Laser Satellite Communications, Ready for Prime Time”



About us

FSO Instruments, together with its ecosystem partners, develops and supplies optical communication optical heads, components, sub-systems, and terminals. FSO Instruments combines the strengths of Demcon and VDL ETG, and builds on TNO technologies allowing laser satellite communication to take the next steps towards industrialization. Working closely with our customers we can quickly realize reliable solutions that are fit for purpose.

FSO's Space Flight Proven laser technology combined with VDL ETG's high tech contract manufacturing allow for rapid and reliable large- scale adoption of optical communication in space.

Solutions

- FSO builds and improves on CubeCAT, TNO's compact laser satcom terminal for Direct to Earth Applications. CubeCAT is being brought to market by AAC Clyde Space
- FSO is also realizing optical heads for other applications of satellite laser communication
- FSO offers the space proven FSM – fast steering mirror – as a subsystem for use in laser communication applications

Company highlights

- Space Flight Heritage achieved with CubeCAT, a 1U, 1.3kg terminal able to connect at 1Gbps, establishing reliable communication links from NORISAT TD
- With its mother companies VDL Groep and Demcon, FSO is realizing manufacturing capacity ready for rapid scale-up of production following proven methods used in semiconductor manufacturing

Company facts

- Founded in Delft in 2023
- FSO is a joint Venture between Demcon and VDL ETG Groep, combining a wealth of engineering capability with Europe's best high tech contract manufacturing
- A core part of the FSO team played a key role in developing TNO's laser satellite communication technology



Gus van der Feltz

Sr Business Developer
gus.van.der.feltz@fso-instruments.nl
M: +31 6 415 59 557



Edu van der Noordaa

BD North America
edu.van.der.noordaa@fso-instruments.nl
M: +1 571 338 4549

FSO Instruments BV

Delftechpark 23
2628 XJ Delft

The Netherlands
+31 88 115 2000

E: info@fso-instruments.nl
W: fso-instruments.nl

Connect

