

European R&D Project

HIPPO

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HIGH-POWER PHOTONICS FOR SATELLITE LASER COMMUNICATIONS AND ON-BOARD OPTICAL PROCESSING



PRESS RELEASE

European project “HIPPO” makes its first steps

HIPPO announces its successful launch and through Thales Alenia Space, the satellite manufacturer steering the exploitation of the project, sets the basis for the applicability of the technology developed. HIPPO will systematically work towards the design and development of a complete family of photonic components and modules that would enable:

- ✓ **Satellite to Satellite and Satellite to Ground Optical Links:** HIPPO technology will be designed for deployment in future Laser Communication Terminals on-boards satellites in order to facilitate high-speed optical communication between GEO/LEO satellites and between GEO satellites and ground.
- ✓ **On-board optical links:** HIPPO will focus on advancing photonic component technology and enable the commercialization of a family of products that will find application within future high-capacity telecommunication satellites, where information exchange within the satellite would be performed using high-speed fiber-optic links.

About HIPPO

HIPPO is a 3-year Research & Development, Collaborative project co-funded by the European Union (REA – Space Unit). The project aims to design and develop a new generation of robust and reliable high-power photonic components and modules, demonstrate applicability to space applications and prove that the technology can operate in the stringent requirements set by the space environment.



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