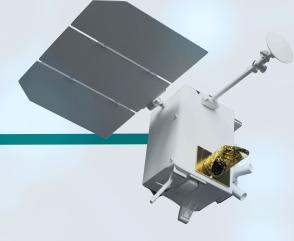
Space optics and photonics solutions

Your mission powered by light



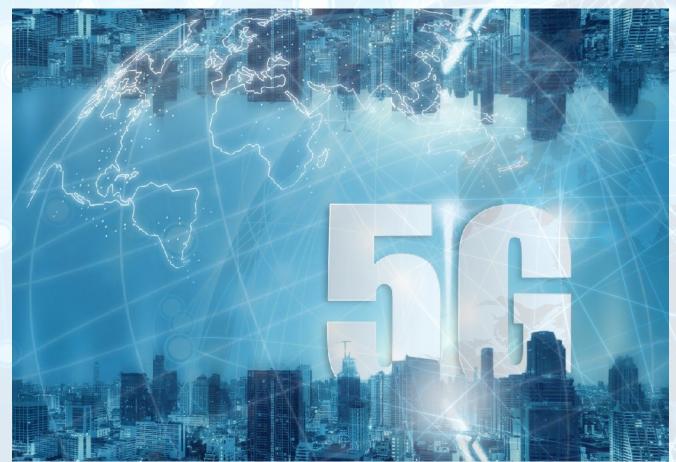


Applications, Products and Services

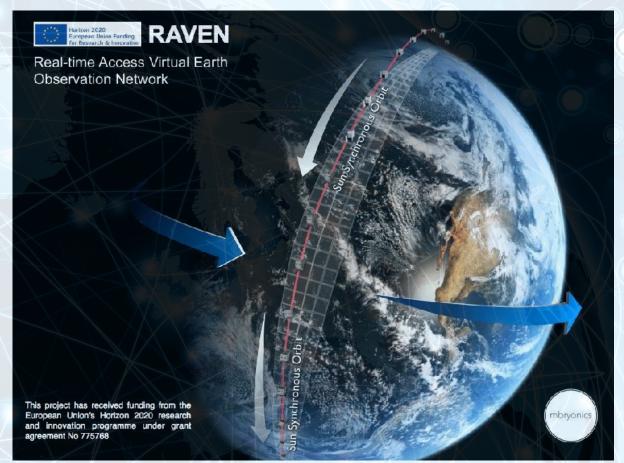




Space Optical Mesh Networks;
Data Relay & Deep Space



Satellite/Terrestrial Network convergence



Real-Time EO Data streaming; Endto-end Big Data Chain Solutions



Photonics/ASICs Intra-Sat Comms



Secure Communications, SSA, PNT



Opto-Mechanical MAIT: GSE; Onboard Instruments; Mechanisms



Optical Ground Stations,
Gateways & Wireless Networks



Optics/Photonics MAIT
Process Automation

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2



Space Photonics & Optical System Integrators:

Design, Engineering, Manufacturing, Assembly, Integration, Metrology & Test

Our Capabilities:



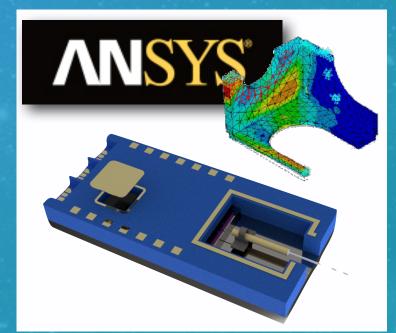
(PIC) Photonic Integrated Circuits Design House: PIC-Foundry Platform Agnostic integration platform for OTN hardware at the package and board level



Electro-optical

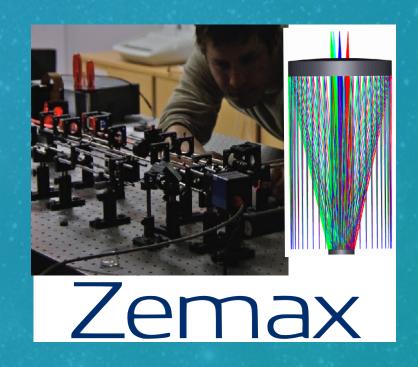
systems & ASIC Specialists in optoelectronic systems & Adaptive Optics systems. Deformable Mirrors, Liquid Crystal Spatial Light Modulators.

Custom photonics ASICs



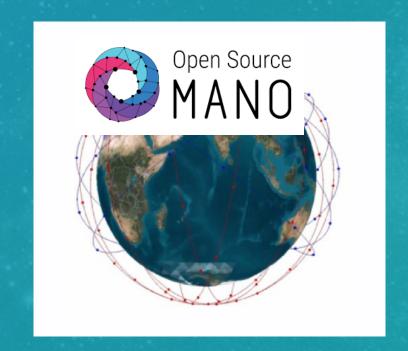
Photonics System
Design, Engineering &
MAIT

Development of custom packages for high frequency Applications; Finite Element Analysis for thermo-mechanical design, optical design; Pilot Lines & Ramp



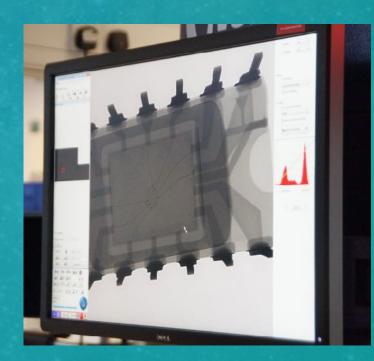
Optical & Mechanical Design, Engineering & MAIT:

Design for manufacture for 'one-off' or series manufacture. Metrology for Assembly integration and test, MGSE/OGSE; Freeform; Active Optics



SDN Development for Satellite Architecture

Development of Software definable networks for custom satellite topologies, ground networks, traffic management, and channel considerations.



Component
Qualification ISO
17025 & custom
Metrology
development for
assembly integration
and test.



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