

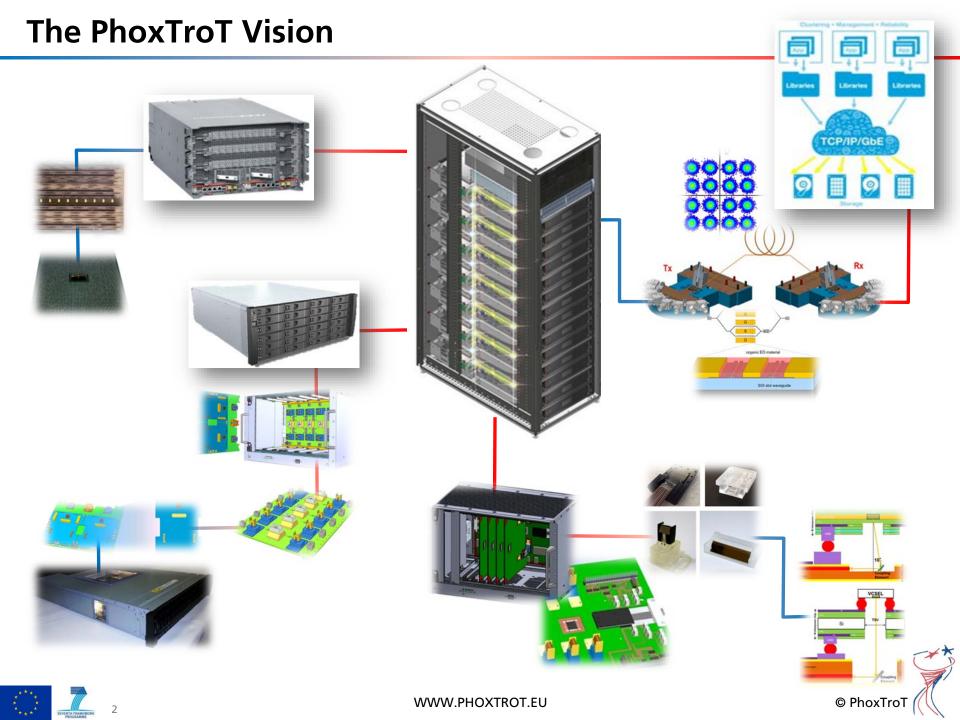
PhoxTroT

Photonics for High-Performance, Low-Cost & Low-Energy Data Centers, High Performance Computing Systems: Terabit/s Optical Interconnect Technologies for On-Board, Board-to-Board, Rack-to-Rack data links





This project has received funding from the European Union's Seventh Framework Programme for research, technological development and demonstration under grant agreement no 318240.



Partners

World leading industrial organisations, research institutes and universities coming together to realise the PhoxTroT Vision











































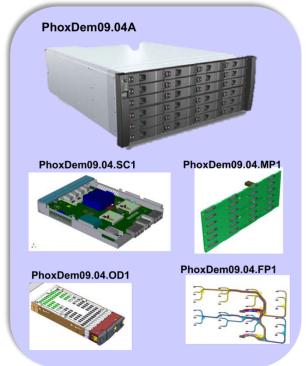




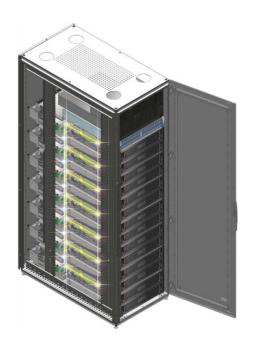


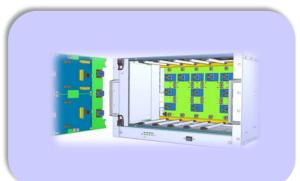
Converged Data Centre System Portfolio

 Product portfolio for converged storage, compute and ultra-high radix switching systems in object oriented fully optically disaggregated data centres

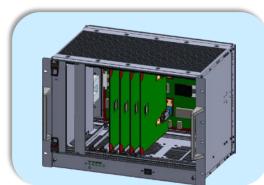














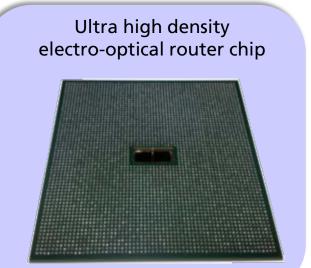


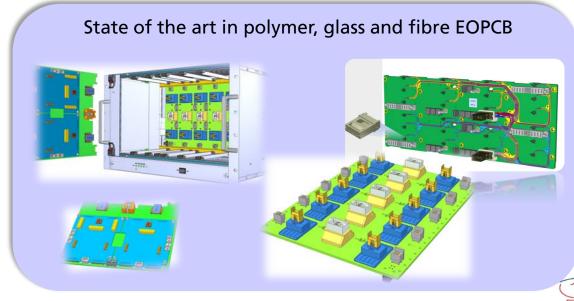
System Level Multimode Optical Interconnect

- High volume electro-optical circuit board manufacture and assembly
- Optically enabled data storage systems



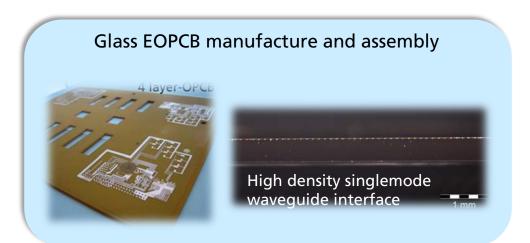


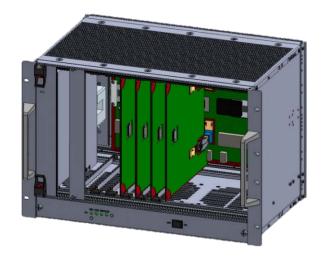


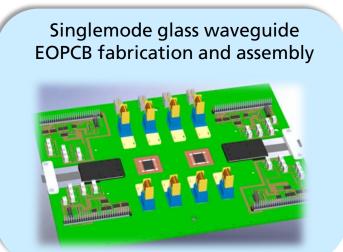


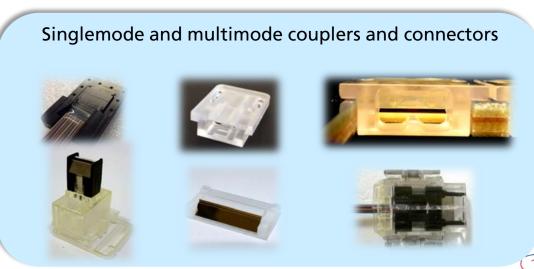
System Level Singlemode Optical Interconnect

- Advanced embedded singlemode optical interconnect for seamless connectivity to singlemode data centre infrastructures
- SiPh transceiver and ultra-high bandwidth router







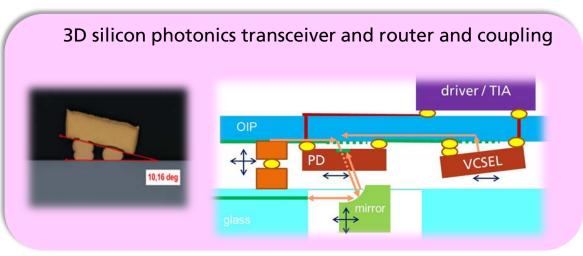


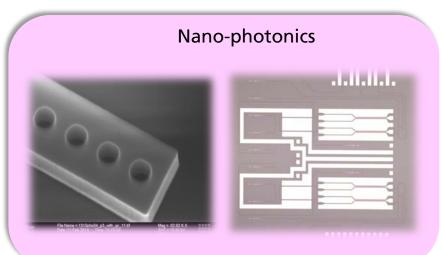


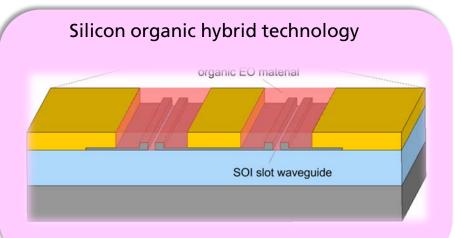
Silicon Photonics and 3D Assembly

- Silicon photonics design services
- Silicon photonics wafer foundry
- Silicon photonics integration and assembly





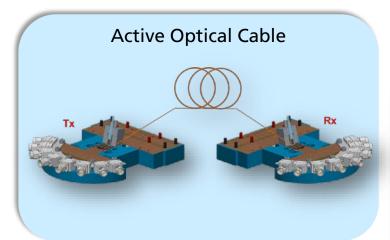


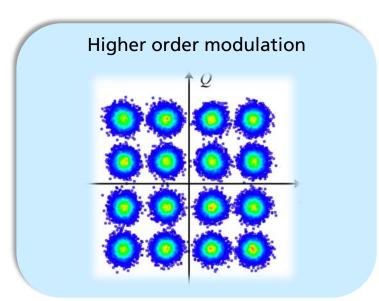


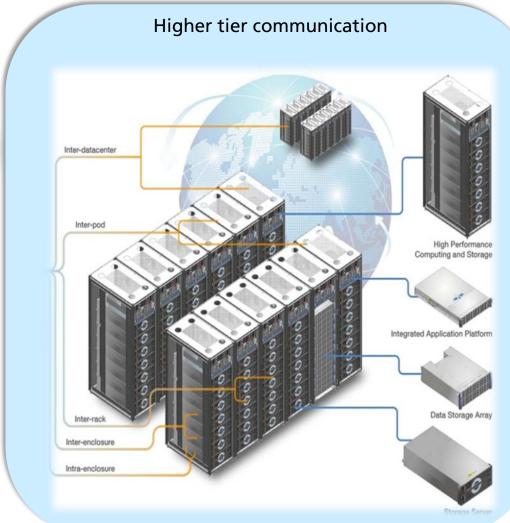


Advanced Inter-rack Optical Interconnect

• Active Optical Cable and transceiver products with advanced modulation schemes for ultra high bandwidth higher tier communication

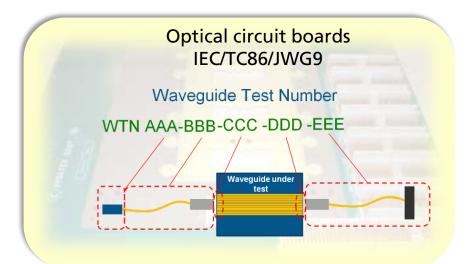




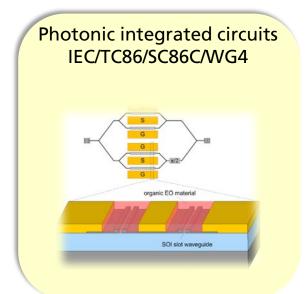


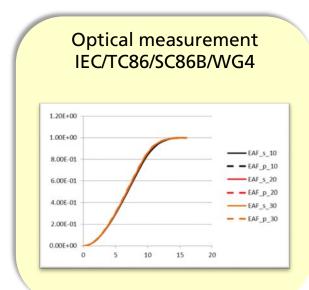
International Standards

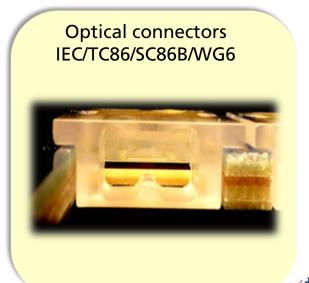
Driving international standards for optical interconnect across the board













Holistic Approach

 Synergizing different platforms to deploy the optimal "mix& match" technologies tailored for each optical interconnect layer

Optical circuit boards Connectors & interfaces PIC fabrication & 3D assembly Transceivers & advanced modulation Switches & converged





systems