A glowing blue square chip is centered on a complex, glowing circuit board background. The circuitry is rendered in shades of blue and green, with a perspective that makes it look like a 3D landscape. The overall aesthetic is futuristic and high-tech.

In the right
hands, our optical
systems will reshape
communications.

Where Light Meets Digital

EFFECT
PHOTONICS

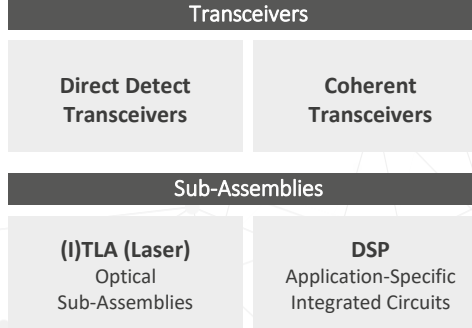
EFFECT PHOTONICS AT A GLANCE

Global Provider of Transceivers and Sub-Assemblies for the Telecom/Datacom Industries

Business Description

- Highly vertically integrated, independent optical systems company
- Designs, develops and delivers optical communication solutions addressing the need for high-performance, affordable optic solutions driven by the ever-increasing demand for bandwidth and faster data transfer capabilities
- Embraces a hybrid business model both as a transceiver supplier and as a sub-assembly supplier supporting the need for disaggregation of key components
- Being entirely fabless, EFFECT Photonics is leveraging established foundry and manufacturing partners, ensuring the ability to scale, higher security of supply, and increased speed to market

Product Offering and Key Markets



Global Presence

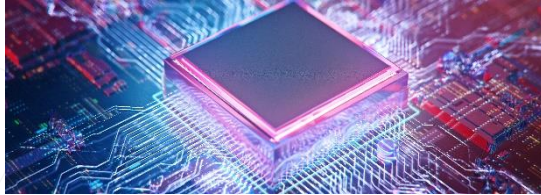


A HIGHLY INTEGRATED OPTICAL SYSTEMS PROVIDER

Key Technology Pillars and Differentiators

Key Technology Pillars

Digital Signal Processor

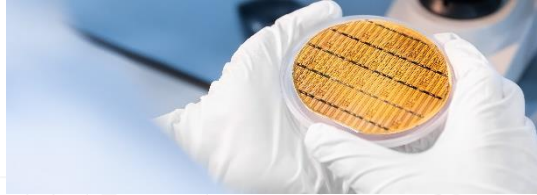


DSP Application Specific Integrated Circuits (ASICs) to compensate for fiber impairments and provide Forward Error Correction (FEC)



- Compensate for fiber impairments
- Higher bit rates over longer distances
- Simplify network design and operation
- Field-proven designs from 100G to 800G

Ultra-Pure Light Sources



InP platform to produce high-performance and efficient lasers enabling full photonic integration



- Seamless and full integration with laser
- Enables faster data transmission, miniaturization & automated packaging
- High resilience & lower power consumption

Leverage Existing Electronics Ecosystem



Leveraging design, wafer manufacturing, packaging and test infrastructure from existing ecosystem



- Scaling in both cost and performance
- Increases speed to market
- Collaboration with well-established players in the microelectronics ecosystem
- Enabler for “photonics everywhere”

Overview

Key Benefits

EFFECT Photonics is the only company that allows integration of all three, for optimum performance and power efficiency

EMBRACING A HYBRID BUSINESS MODEL

Product Portfolio Overview

TRANSCEIVERS

DWDM Direct Detect Transceivers

- DWDM tunable transceivers
- Self-tuning and remote diagnostics reduce set-up time, minimizes human error and delivers operational cost savings
- Cost effective and low power data transmission alternative

Up to 10 Gbps & Up to 25 Gbps



DWDM Coherent Transceivers

- DWDM Coherent Transceivers enable data transmission at higher bit rates and over longer distances, despite fiber impairments
- Bringing technology existent in ultra-long haul to metropolitan access at suitable cost/power per bit per second

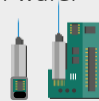
100 Gbps to 800 Gbps & beyond



SUB-ASSEMBLIES / ASICs

(I)TLA (Laser)

- Ultra-pure light sources based on InP lasers for silicon photonics (SiPh) based solutions
- Temperature and environment hardened optical and electrical wafer-scale packages



DSP

- DSP is the electronic heart of coherent transmission systems
- ASICs enable high bit rates and long distances via DSP
- DSP and FEC designs available through the acquisition of Viasat design team and IP



GUIDED BY A HIGHLY EXPERIENCE LEADERSHIP TEAM

Executive Leadership Team



Roberto Marcoccia – CEO

- 25+ years of leadership in optical comms product development
- VP Engineering at Juniper
- Developed Silicon Photonics transceivers and multiple Coherent products
- Co-founded and led development at Stratelight, deploying worlds first 40Gb system with AT&T.



Sophie De Maesschalck – CFO

- 15 years tech CFO
- PhD optical networking
- Bain & Co consultant
- MBA and Corp Finance
- Multiple companies founded, funded and exited



Harald Graber – CCO

- 20+ years optical networking
- VP Technical Sales and PLM Coriant
- Dir. Bus. Dev. Alcatel-Lucent
- Lived & worked in US, China, EU
- Founding mgmt. of Coriant, exited to Infinera



Tim Koene – CTO

- 12 years optical components
- Broad and deep technical expertise in PIC design, packaging, electronics and systems
- Cofounder



Veronique Gremmen-de Groot

Global Head of
Human Resources



Ted Schmidt

Senior Vice President
of Product Development



Tony Englese

Vice President
of Operations

ACTIVE CONTRIBUTOR TO THE INDUSTRY

Key Industry Bodies and Associations in Which EFFECT Photonics Participates

SmartTunable MSA

CableLabs®



TELECOM INFRA PROJECT

OPTICA | Formerly OSA

OIF



PhotonDelta
Gateway to Integrated Photonics

