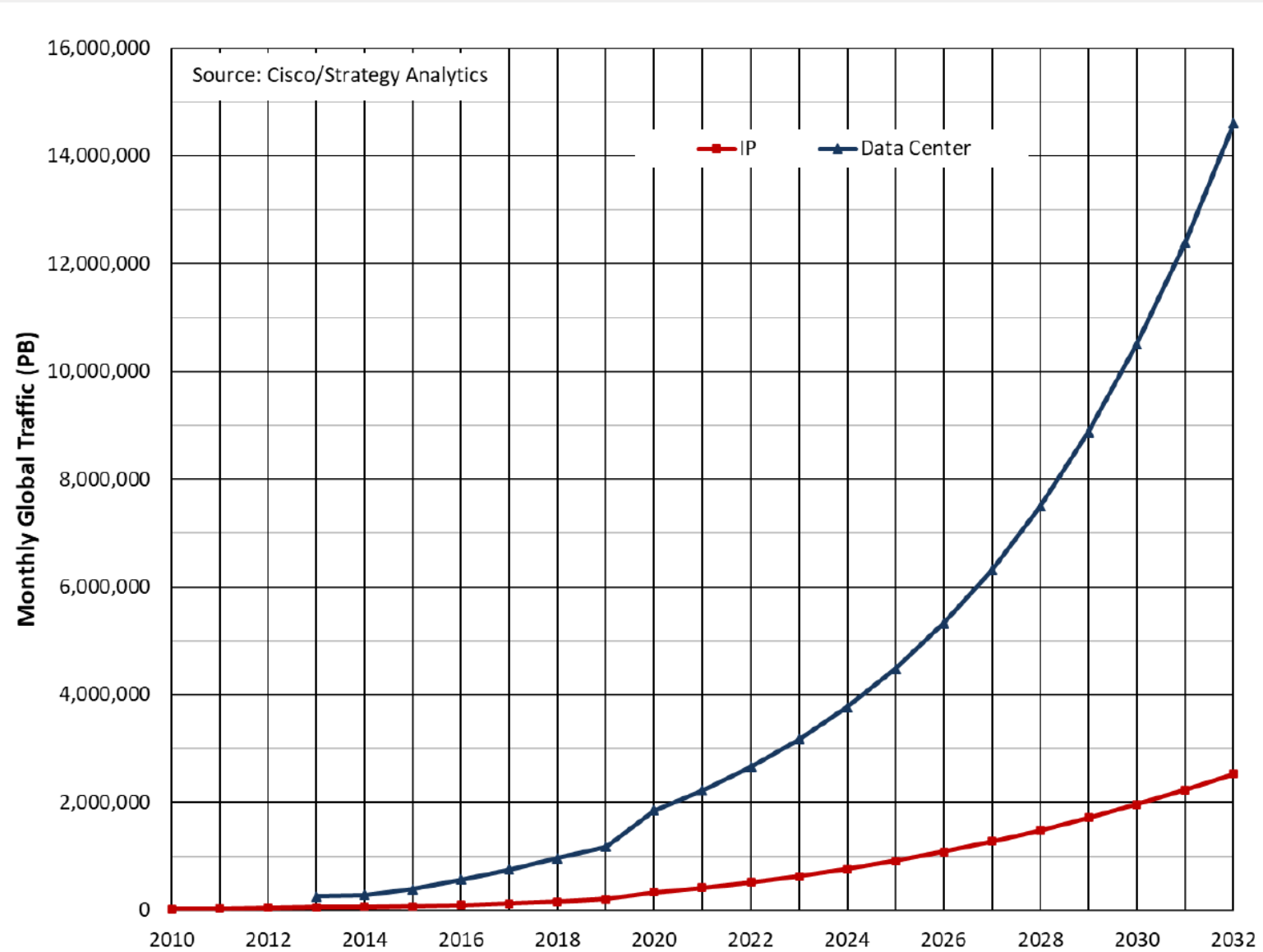




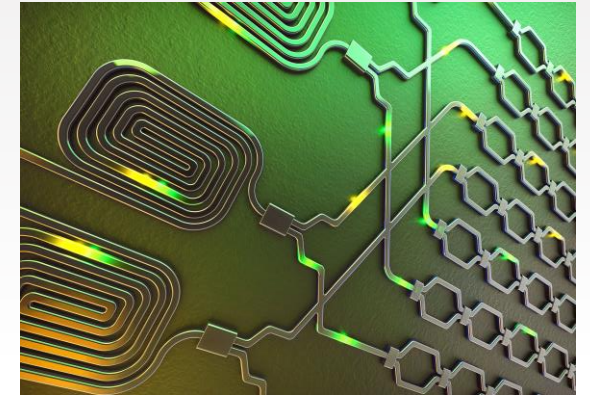
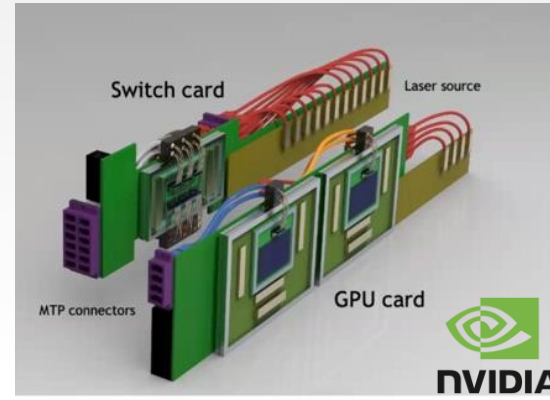
Posibilitar la fotónica

La sociedad digital demanda capacidades que la electrónica no puede servir

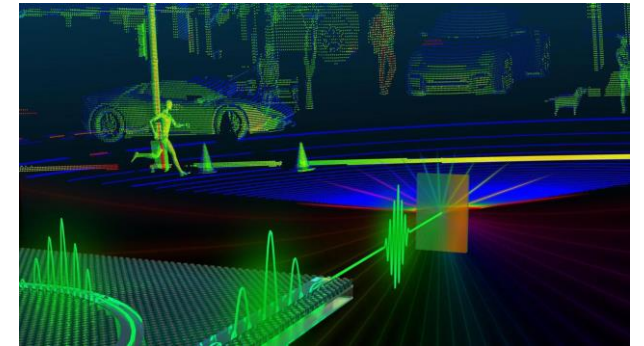
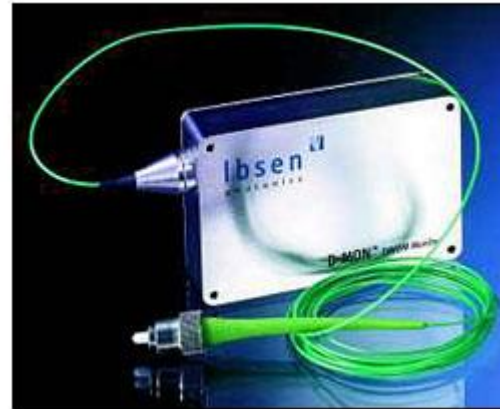
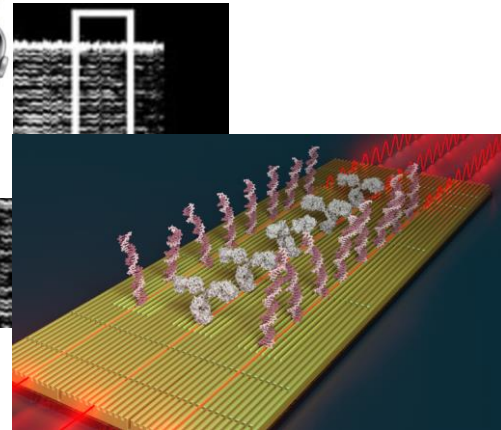


La fotónica integrada reemplaza a la electrónica y posibilita nuevas aplicaciones

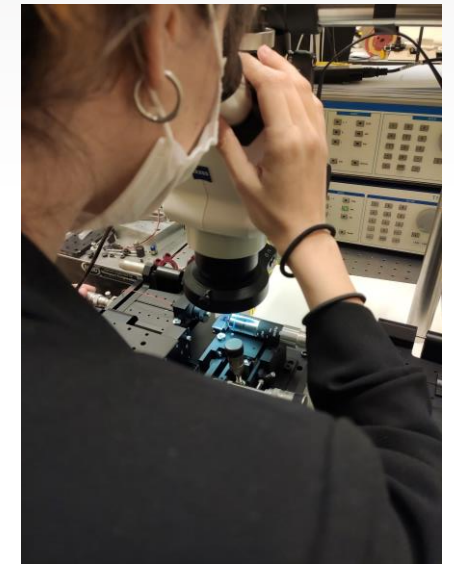
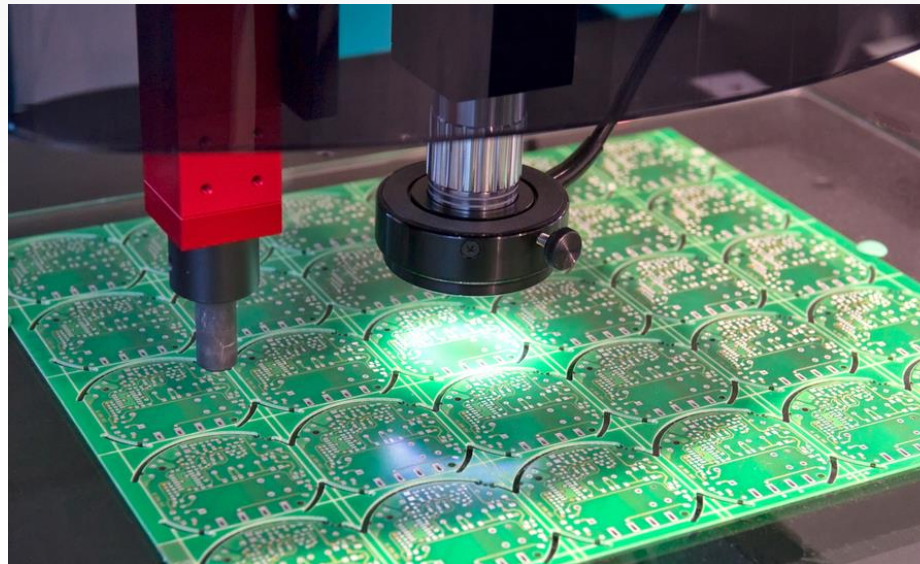
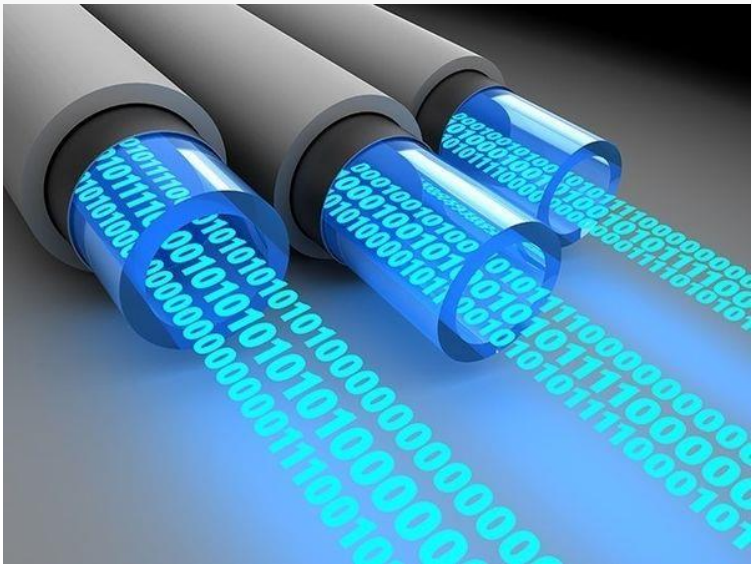
Telecom | Datacom | Computing | Quantum



Imaging | Sensor | ...



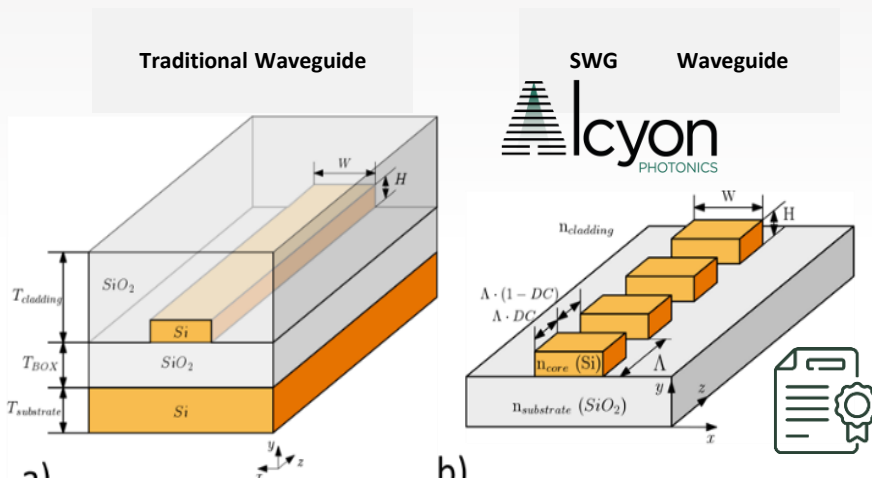
La industrialización de la fotónica presenta desafíos técnicos y sistémicos



Alcyon Photonics contribuye con una doble innovación a acelerar la adopción de la fotónica

METODOLOGÍA DISEÑO

MODELO DE IP



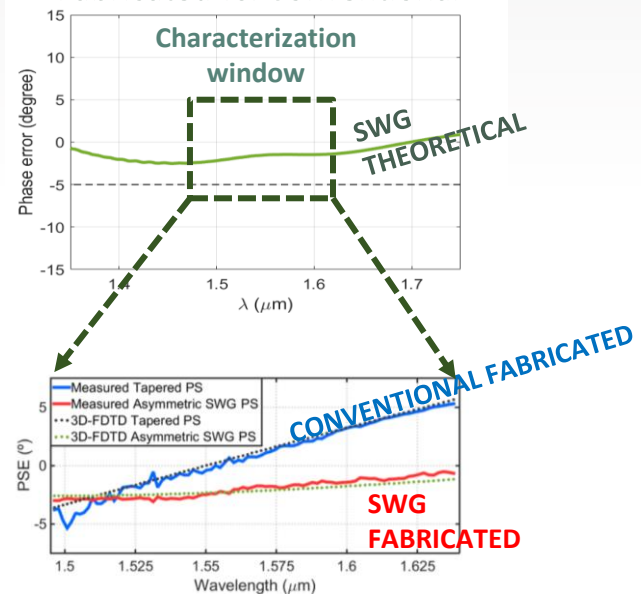
IP portfolio supported by 3 international patents & trade secret protocol

- Bandwidth x2
- High yield validated IP
- CapEx ↓ 50%

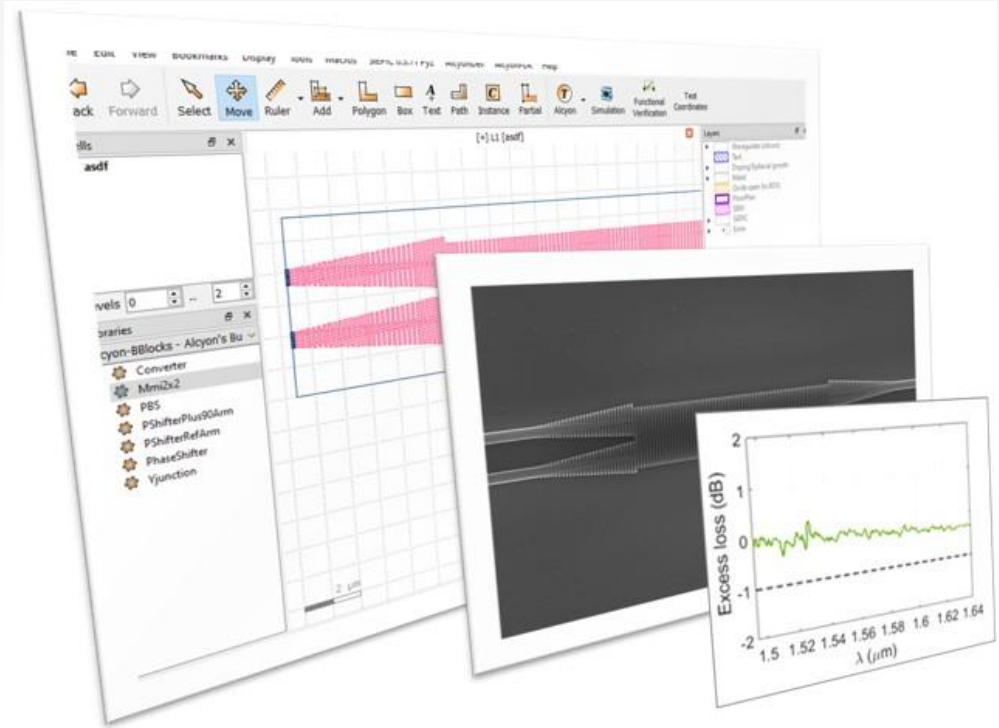
- Unlock knowledge entry barrier
- Development cost ↓ 50%
- Development time ↓ 50%

Diseños de alto rendimiento validados y disponibles en la plataforma de Alcyon

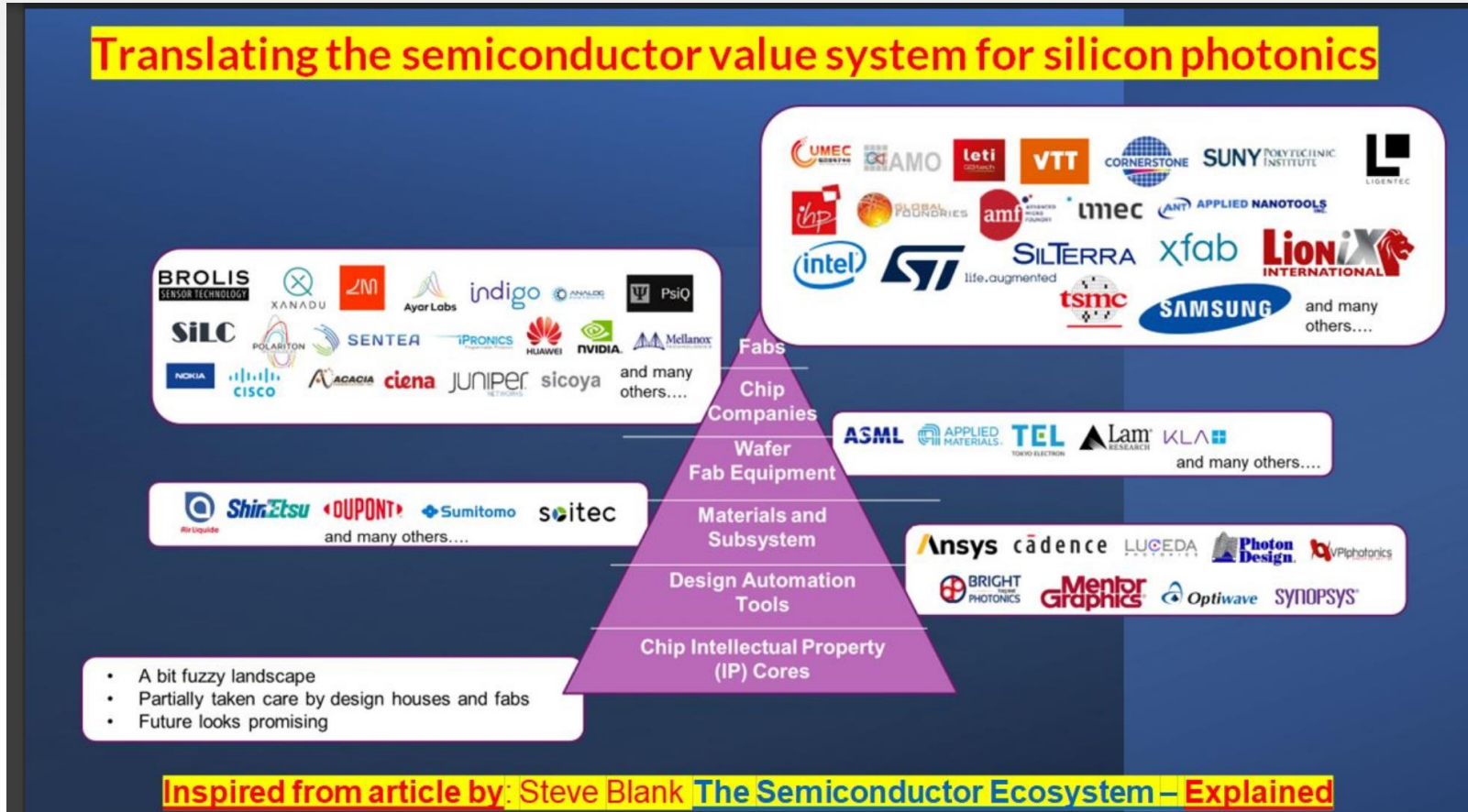
Comparison
Alcyon's SWG Phase Shifter Theoretical vs.
Fabricated vs. Conventional



N.B. Alcyon's fabricated measurement limited by available characterization laser



Replicando la cadena de valor de la electrónica



GlobalFoundries Announces Next Generation in Silicon Photonics Solutions and Collaborates with Industry Leaders to Advance a New Era of More in the Data Center

March 7, 2022

Electronic Design Automation

Synopsys and Juniper to form separate photonic company

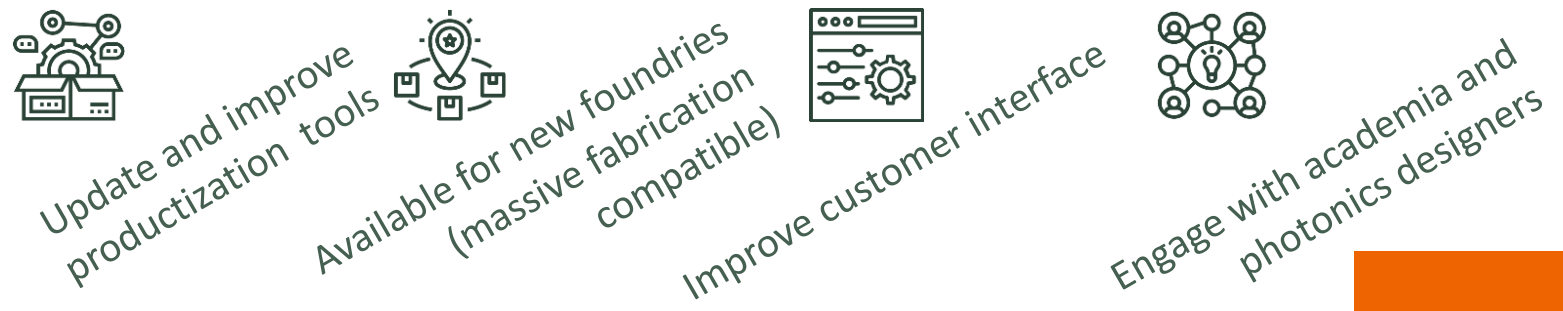
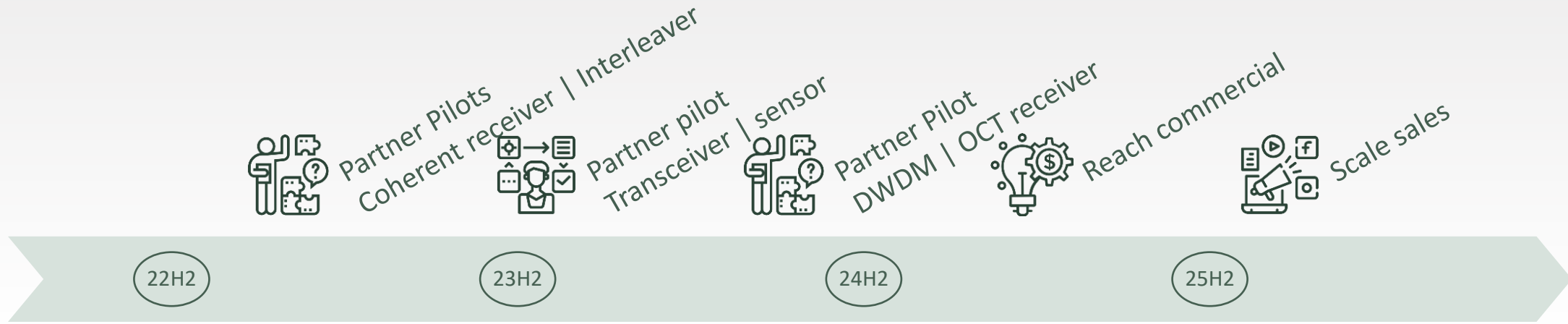
Peter Brown

13 April 2022

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Synopsys Inc. and Juniper Networks are forming a new, separate company that will provide an open silicon photonics platform for applications across the electronics industry.

Con el apoyo del EIC Accelerator

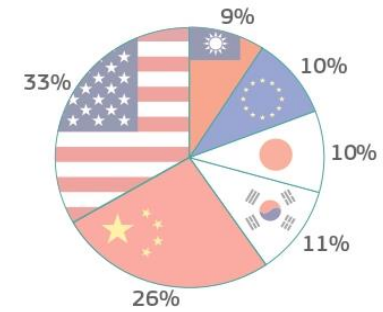


Momentum



GLOBAL SEMICONDUCTOR REVENUES

by headquarters of the manufacturer, 2019

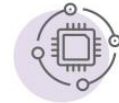


EUROPEAN CHIPS ACT

The European Chips Act will ensure that the EU strengthens its semiconductors ecosystem, increases its resilience, as well as ensure supply and reduce external dependencies.



1. Strengthen Europe's research and technology leadership towards smaller and faster chips



2. Build and reinforce capacity to innovate in the design, manufacturing and packaging of advanced chips



3. Put in place a framework to increase production capacity to 20% of the global market by 2030



4. Address the skills shortage, attract new talent and support the emergence of a skilled workforce



5. Develop an in-depth understanding of the global semiconductor supply chains

¿Posibilitar la fotónica como comunidad?

US President Joe Biden signs historic CHIPS and Science Act

The new law advances efforts to boost US semiconductor manufacturing, and is a boon for the US optics and photonics community

09 August 2022

By William G. Schulz

[Technology](#)

HEADLINE

Photondelta bags €1.1B investment to spur integrated-phot growth

Diverse capabilities, infrastructure help drive chips industry in Singapore

03 Sep 2022 • 4 min read

The semiconductor industry contributed almost 7 per cent of Singapore's gross domestic product last year, and is the backbone of electronics manufacturing output. Growing the electronics sector is part of the country's ambitions to expand its manufacturing sector by 50 per cent by 2030.



Gracias

Únete al proyecto

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