

## TOWARDS INTEGRATED PHOTONICS



*PHOTONICS IS ONE OF THE SIX KEY ENABLING TECHNOLOGIES CONSIDERED BY THE EUROPEAN COMMISSION*

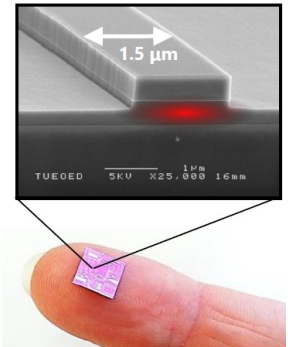
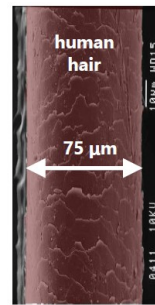
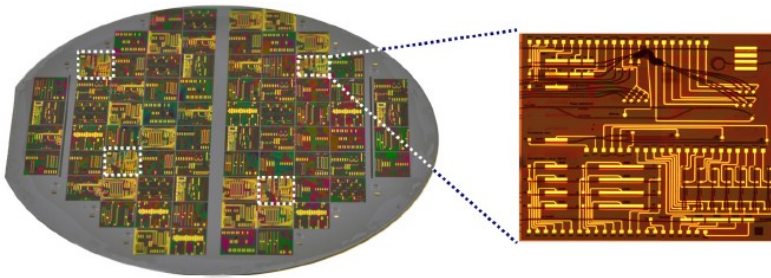
### *GENERIC FOUNDRY and MULTY PROJECT WAFER (MPW) approach*

There are few main technologies available for photonic integration.

The development of Photonics nowadays is similar to that of the integrated electronics in the '80s.

The trend is now to have generic foundries with production capability of the basic building blocks usable for many projects

The MPW approach allows to share the cost of growing a wafer among several users

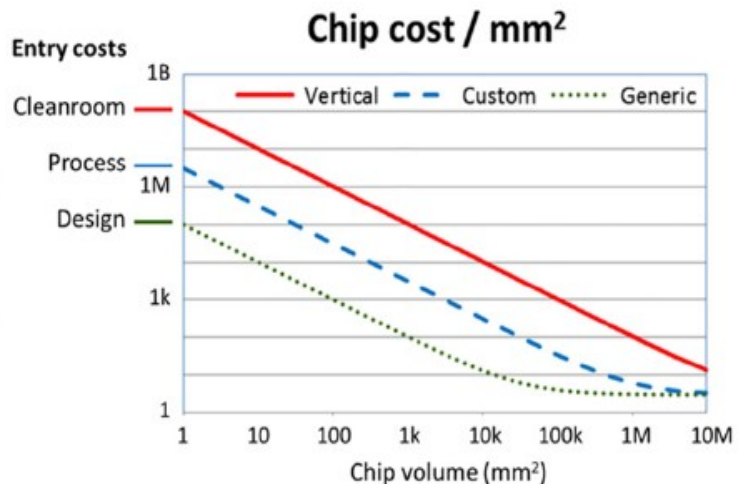
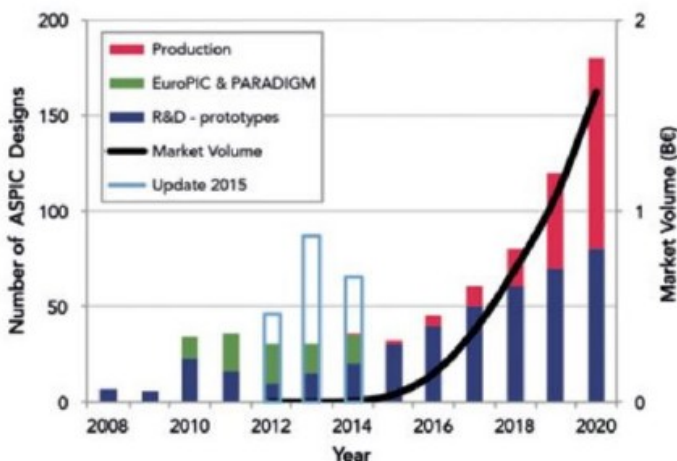


*SUPPORT TO DESIGN*

*ACCESS TO CLEANROOM AND PRODUCTION FACILITIES*

*INCREASED VOLUME PRODUCTION*

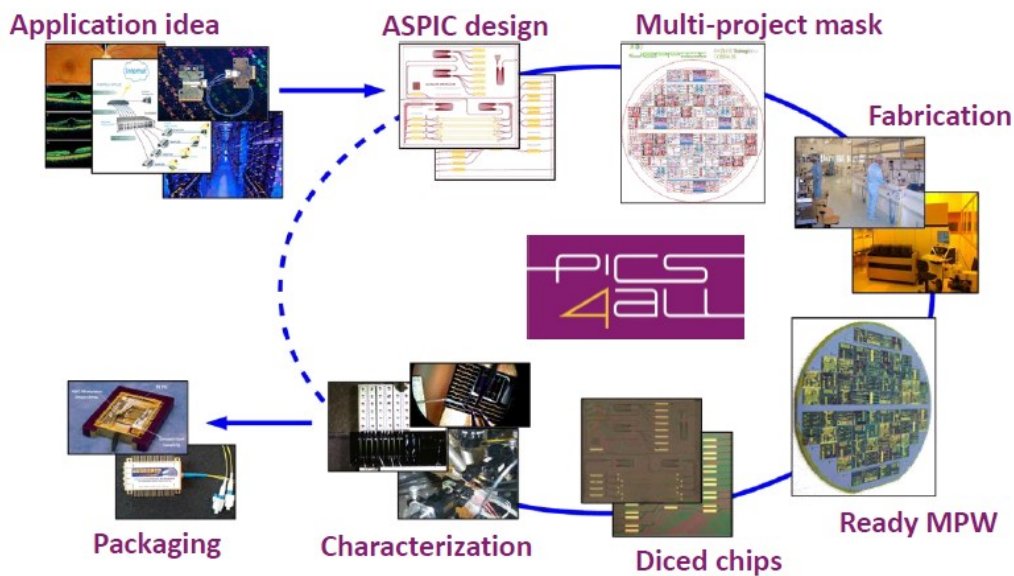
*COST REDUCTION*



# A COOPERATIVE NETWORK FOR A FULL SUPPORT TO PRODUCT DEVELOPMENT

## THE ROLE OF OST IN THE VALUE ADDED CHAIN

- Comprehension of the application requirements
- System design capability
- Choice of the proper technology
- Interaction with the support network for the executive project
- Prototyping and test
- Selection of the Supplier for production



## ONE TECHNOLOGY FOR MANY APPLICATIONS



*Medical/Pharmaceutical  
Food and beverage  
Aerospace and Defense  
Automotive  
Oil and Gas  
Telecommunications*



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