



Photonics Innovation Hub

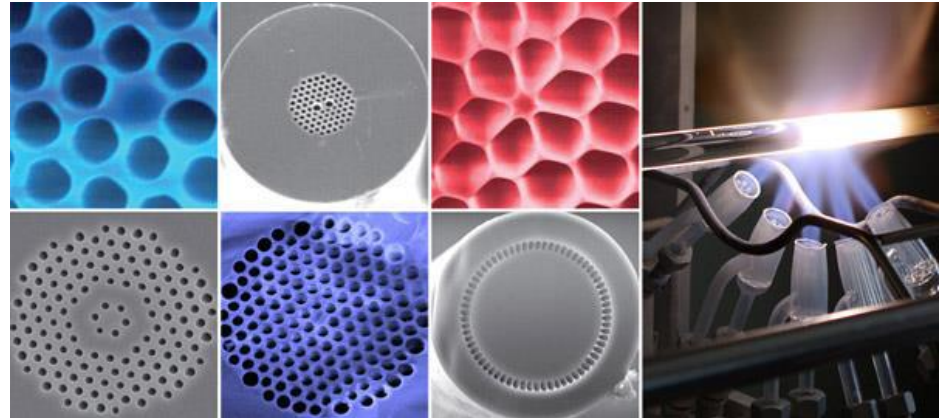
PHOTONICS BRETAGNE



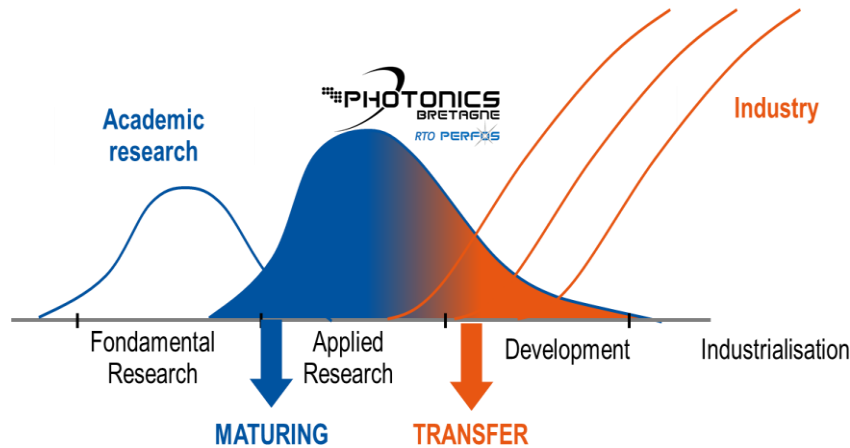
PHOTONICS BRETAGNE: A MIXED ORGANISATION

Photonics Bretagne is a Photonics Innovation Hub integrating :

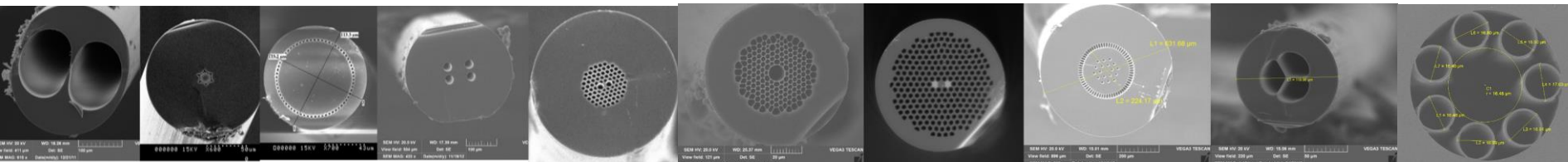
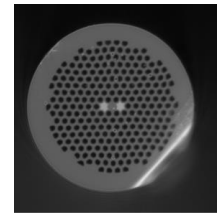
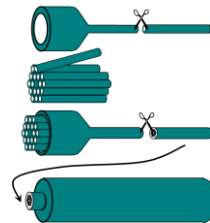
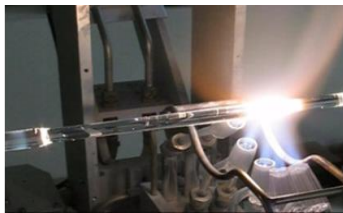
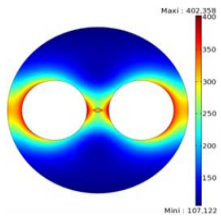
- A **cluster** gathering more than 100 members (Companies, Research centers, Schools) in the field of Photonics
- A **RTO** (Research and Technology Organization) expert in the development of specialty optical fibers (PCF fibers) and components.



RTO SPECIALISED IN CUSTOM OPTICAL FIBRES!

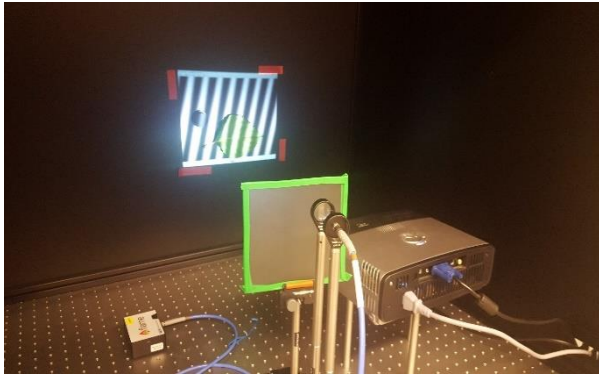


- From Conception to Integration
- Custom Design!
- Active/passive fibers, different doping (Yb, Er, Ge, F, B, Ge...)
- Also Stress rods, Capillaries, Endcaps, Tapers, Simulation, Characterization, Consulting...
- Brand new facilities/Equipment, 25 years of experience!



AGROPHOTONICS

- POC studies in AgriTech and FoodTech areas: Plant phenotyping, animal welfare, on-line sorting, cleaning management...



From the scientific lab...



...to the field lab...



...to the field!

- Development of innovative sensing devices based on specialty optical fibers

- Test and qualification of optical sensing tools/protocols:

- Imaging (multispectral, hyperspectral, single pixel...)
- Single point spectroscopy analysis (Raman, Infrared, Fluorescence)
- Statistical modeling (PLS, PCA, DFA...)



ADRESSE

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