Photonics Manufacturing Pilot Lines for Photonic Components and Devices (ICT-03-2018-2019)

Website link: ict-03-2019 "Photonics Manufacturing Pilot Lines for Photonic Components and Devices"

Deadline: 28 Mars 2019

Scope:

The focus is on **Manufacturing Pilot Lines**: actions should provide open access to manufacturing of advanced photonics components and systems and offer related services including design and characterization. They should cover all stages of manufacturing through to testing, provide a low entry barrier access to low and medium production volumes and the processes used should be scalable to high production volumes. Actions should include a validation of the pilot line offer with involvement of externals users in pre-commercial production runs. Activities should aim at long-term sustainability, including development of or integration into photonics innovation hubs.

Actions:

Actions should make use of existing infrastructure and develop close links with on-going European and national initiatives in order to maximize impact. Proposals must present industrially relevant business cases. Actions must address one or more of the following technologies:

1. . **Next generation free-form optics:** maturing a technology platform and providing access to optics with free-form shapes and exceptional surface finish, exploiting new optical materials and/or combining and integrating diffractive or refractive or reflective optical components, to obtain improved performances and capabilities.
2. **Advanced optical medical device technologies for medical diagnostics:** maturing a technology platform and providing access to novel, reliable, robust optical based devices for in-vivo and/or in-vitro medical diagnosis.

Indicative budget/proposal: 8-15 M€ for **a total budget**: 30 M€

Expected Impact:
- Improve uptake of photonics technology
- Time to market should be accelerated by the pilot line
- Create sustainable manufacturing capability in Europe

Partner search list: SMEs should candidate!

26 Organisations are looking for collaborating partners for this topic

Partner search list: https://ec.europa.eu/info/funding-tenders/opportunities/portal/screen/how-to-participate/interested-org-list/31088371

Example of existing 5 pilot lines:

- **_PIX4LIFE_** *(www.pix4life.eu)*
- **_PI-SCALE_** *(www.pi-scale.eu)*
- **_MIRPHAB_** *(www.mirphab.eu)*
- **_PIXAPP_** *(www.pixapp.eu)*
- **_INPULSE_** *(https://www.inpulse.jeppix.eu/)*

Get support:

ALPHA-RLH will help you to prepare your application.
Contact: i.tovena@alpha-rlh.com