

# GROUP Connect-EU

Photonics and electronic systems

## Sector

Energy, lighting, automotive, electronics and industrial

## Contact details of the group

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### Areas of action

\_ Networking on an internal level, as well as with the public administration (Acc1Ó, CDTI, EC officers, etc.) and with key stakeholders in the fields of photonics and electronic systems in Europe.

\_ Mapping of technologies and technological benchmarking with other regions in Europe in order to analyse the strengths and weaknesses, threats and opportunities (SWOT) of the sector in Catalonia.

\_ Identification of potential partners and competitors.

### Goals

1\_ To create a group of stakeholders in the field of photonics and electronic systems that takes part in the debate on the EU's R&D policies.

2\_ To draw up an agenda for the sector in Catalonia.

3\_ To set up the first photonics and electronic systems cluster in Catalonia made up of partners from this field of knowledge and businesses in order to develop the science and technology that will benefit the Catalan economy.

4\_ To create a photonics and electronic systems work group that will carry out a number of activities intended to create a well-established cluster in the field of printed electronics.

### Strategy

\_ To set up a new technological field in Europe that is emerging as a result of the full development of the silicon industry. It will be based on new materials (organic and inorganic), new processes (multidisciplinary techniques for making layers of manometric materials), which will make it possible to introduce innovative applications with state-of-the-art functionalities that were not previously possible.

\_ To open new lines of business and position Catalan industry as a leader in the field of photonics and electronic systems.

### Members of the group

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### collaborating organisations/businesses

CISTIB (UPF) • TFM Energia Solar Fotovoltaica, S.A. (COMSA-EMTE group) • Nanoengineering Research Centre, (UPC) • ASCAMM • MACSA ID, S.A. • Monocrom, Laser diode devices • Radiant Light, S.L. • Sensing Tex, S.L. • Sensofar Tech, S.L.

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