A world-leading research and innovation center in optics and photonics with 50 top researchers and engineers pushing the barriers of research and innovation. B-PHOT connects the dots between research, applications, industry, innovation and education.

HIGHLIGHTS

- Optical fibre sensors
- Next-generation freeform optics
- Ultrafast lasers and non-linear photonic chip
- Photonic lab-on-chip

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EXPERTISE

B-PHOT actively crosses the boundaries of different disciplines to reinforce a multidisciplinary approach in photonics research. We bridge photonics engineering with physics, material science, chemistry, biology and even archeology. Our technology leads to paradigm shifting research and innovation with the goal to serve future generations.

To reach this goal, B-PHOT uses the power of photonics as key enabling technology to tackle today's and tomorrow's challenges faced by health sciences, Industry 4.0, agrifood, telecommunications, green energy, aerospace, smart mobility and cultural heritage.

The Brussels Photonics Innovation Center offers partners a full high-tech value chain ranging from design up to ready-to-market prototyping. In addition, our new pilot line for advanced freeform plastic and glass photonics components allows low-volume production and facilitates successful innovations for Industry 4.0. VUB B-PHOT is a proud core group of Flanders Make.

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