

Large-area solid-state lighting

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1984 • 2014
YEARS **30**

∴ **csem**

In cooperation with the CTI



KTT-Support

National thematic networks

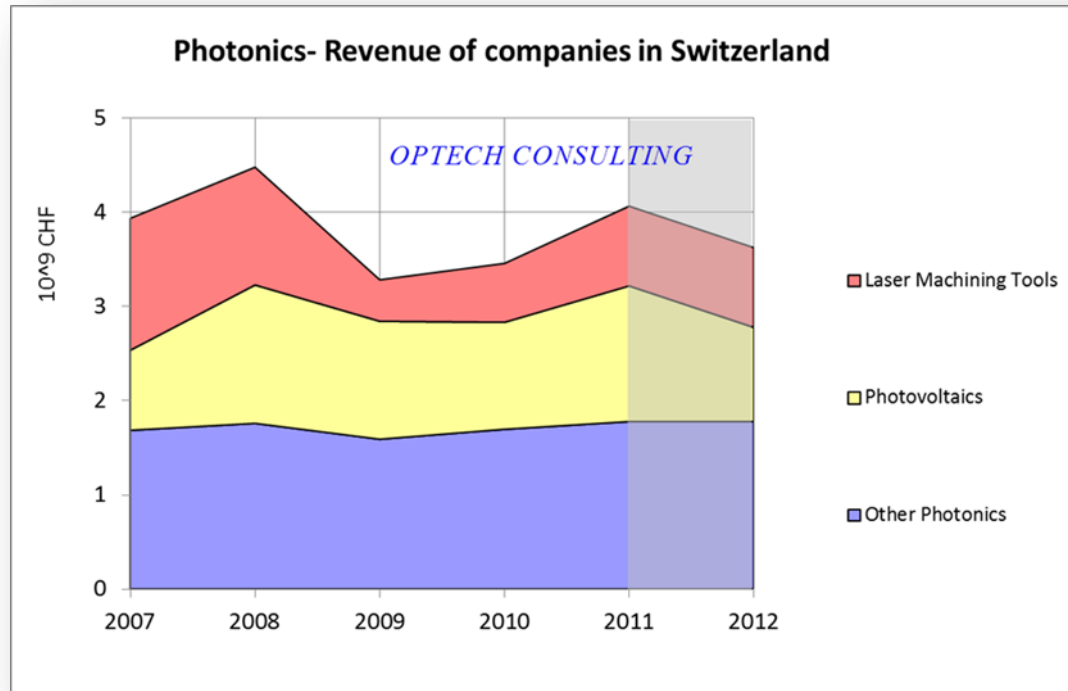


Schweizerische Eidgenossenschaft
Confédération suisse
Confederazione Svizzera
Confederaziun svizra

Swiss Confederation

Commission for Technology and Innovation CTI

Photonics in Switzerland



- Industry

- 4 BCHF/year, 15'000 people (150 companies tracked)

Mission of Swissphotonics

- Advocacy for photonics, national and international networking, support of
 - innovation activities in workshops for engineers, project leaders and professors
 - partner matching (SME/University)
 - seed money
 - review of CTI proposals
- Collaboration with the Swissmem specialist group “Photonics”
 - Goal: Advocacy for Photonics on “C”-level (education, policies)

Direct support to SMEs

- Support of innovation at companies with focus on SMEs
 - Partner matching (e.g. research institute, university) for technology development
 - Development projects
 - Seed money checks to initiate projects
 - Individual consulting/support
 - *Market data*: access to international photonics networks and to market data & reports
 - *Financing*: contact with funding sources
 - *Patents*: first level support for intellectual property questions
 - Support for access to governmental funding through bottom-up & top-down sources
 - CTI (100Mio CHF/year)
 - EU / Horizon2020, ESA, etc. (800Mio CHF/year)

Direct support to SMEs – Swiss National Photonics Labs (SNPLs)

- Swiss National Photonics Labs – Goals:
 - Centers of competence: combine relevant and interested research organisations for a specific topic
 - Single contact points: connection to the best suitable partner to handle a specific request
 1. **Swiss National Application lab Photonic tools & manufacturing (SNAP)** – *Contact: UAS Windisch*
 2. **Swiss National Optics Platform (SNOP)** – *Contact: UAS Buchs*
 3. **Swiss Photonics Master Education (SPME)** – *Contact: EPFL (LAPD)*
 4. **Swiss National Fiber Laboratory (SNFL)** – *Contact: UAS Burgdorf*
 5. **Swiss PhotoVoltaic Research platform (SPVR)** – *Contact: EMPA (Dübendorf)*
 6. **Swiss Photonic Packaging Laboratory (SPPL)** – *Contact: CSEM (Alpnach)*
 7. **Swiss National laboratory for Solid State Lighting (SSSL)** – *Contact: CSEM (Muttenz)*
 8. **Swiss National Laboratory for Sensing** (*being started*)

Networking activities

- Recent/planned Workshops & Conferences
 - Biophotonics, 19.3.14 / Muttenz
 - EPMT, 18.6.14 / Geneva
 - EFTF, 23.6.14 / Neuchâtel
 - Connectors for advanced fiber systems, 26.6.14 / Losone
 - Solid State Lighting (with EU LASSIE-FP7), 30.10.14 / Muttenz
 - 3-D Printing and General Assembly, 25.11.14 / St. Gallen
 - Optical Gas sensing, 15.1.2015 / EMPA Dübendorf



