



Entrepreneurship History of [ex-]ADOPT Community

2013-10-04

Cobolt AB

- **Active: 1996 -**
- **Product and innovation**
 - DPSS lasers, diode laser modules, fiber pigtailed lasers
- **ADOPT involvement**
 - Fredrik Laurell (no longer active in company)
- **Evolution**
 - 2001: Venture capital funded
 - 2011: profitable
 - 2012: 30 employees, turnover 50MSEK



Altitun AB

- **Active: 1997 – 2002**
- **Product and innovation**
 - Tunable lasers for fiber optic telecommunications.
- **Founders**
 - KTH and Acreo researchers
- **Evovement**
 - 2000: Acquired by ADC (7.9 Billion SEK)
 - 2002: Factory closed due to bankruptcy of ADC



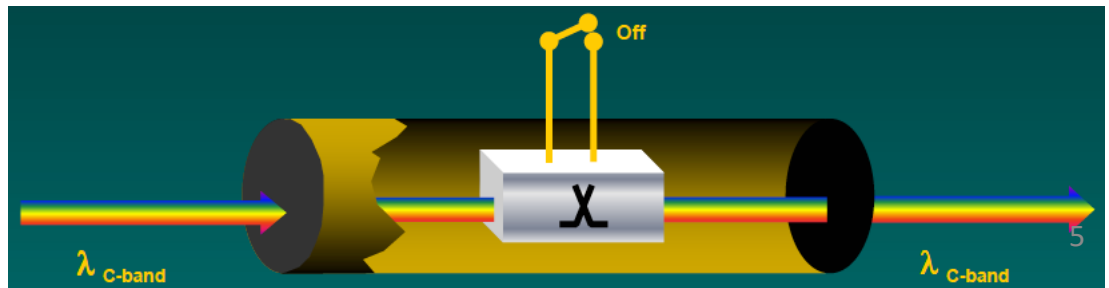
Optillion AB

- **Active 1999-2005**
 - Finance: 750 MSEK from Investor, Itact, Crescendo, Cisco
- **Product and Innovation**
 - Develop, manufacture and sell transceivers which will increase capacity in fiber optic networks. The transmission capacity in Optillion's first transceivers will be 10 Gbps Ethernet.
 - Own manufacturing facility at Kungens Kurva, Stockholm, and 110 employees (as in 2005)
- **Founders**
 - Christer Svensson
 - Lars Thylén
 - Jan G. Nilsson
- **Evolvement**
 - 2005: liquidation due to Cisco's initial promise on order of 0.5 million transceivers per year never came

1. http://www.lightreading.com/document.asp?doc_id=610486&init_gateway=true
2. http://sv.wikinews.org/wiki/Optillion_i_konkurs_efter_700_miljoner_i_investeringar
3. Optillion press release 2001-02-06

Φ_χ PhoXtal Communications AB

- **Active 2002-2011**
- **Product and Innovation**
 - Switchable OADM filter in the C-band.
- **Founders**
 - 10 from KTH (many from current ADOPT)
 - 6 from industries including ADC-Altitun, Dynarc, Ericsson and Geotronics)
- **Finance**
 - Private investors
 - NUTEK governmental loan



Syntune AB

[now Finisar Sweden]

- **Active 2003-**
- **Product and Innovation**
 - State-of-the-art InP-based widely tunable lasers for applications ranging from fiber-optic communications to sensor systems
- **Founders**
 - People from Altitun
- **Evolvement**
 - 2009: Acquired by Ignis ASA
 - 2011: Ignis acquired by Finisar Inc.
 - 2013: Finisar Sweden has 80 employees in Järfälla



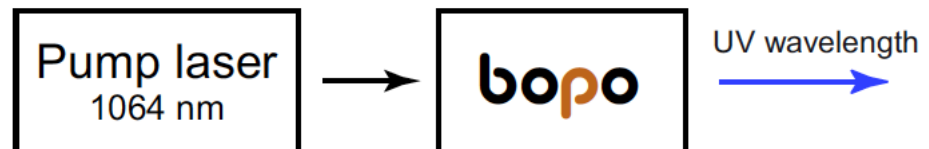
Photonic Sensing AB

- **Active: 2003 -**
- **Product and innovation**
 - Fiber-based gas sensor
- **ADOPT involvement**
 - Fredrik Laurell (co-founder)
- **Evovement**
 - Technology now integrated in ARTEMA AB (now Mindray Sweden AB)

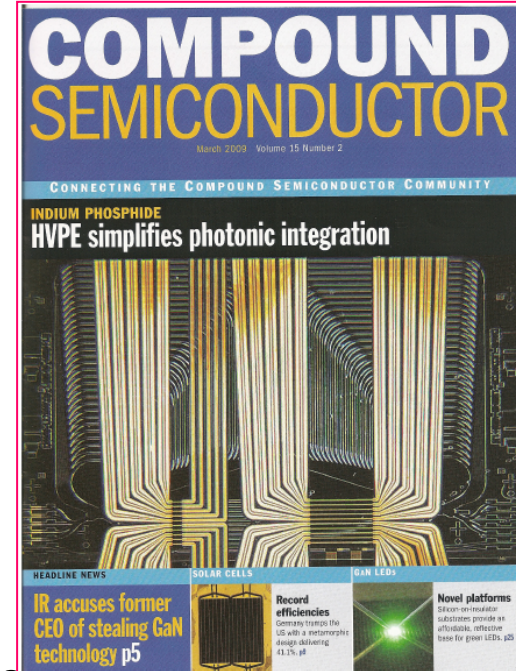
Lumanova GmbH

- **Active: 2004 –**
 - Finance: Ingo Freitag
- **Product and innovation**
 - Q-switched and CW diode-pumped solid-state lasers in the UV, VIS and NIR spectral ranges.
- **ADOPT involvement**
 - Fredrik Laurell, Valdas Pasiskevicius (assisted in start-up)
- **Evolvement**
 - 2009: merged with InnoLight GmbH
 - 2013: Acquired by Coherent Inc.

- **Active: 2009 –**
 - Finance: Private
- **Product and innovation**
 - Wavelength-controlled lasers and parametric devices.
- **ADOPT involvement**
 - Fredrik Laurell, Valdas Pasiskevicius (Co-founders)
- **Evolvement**
 - Not active currently

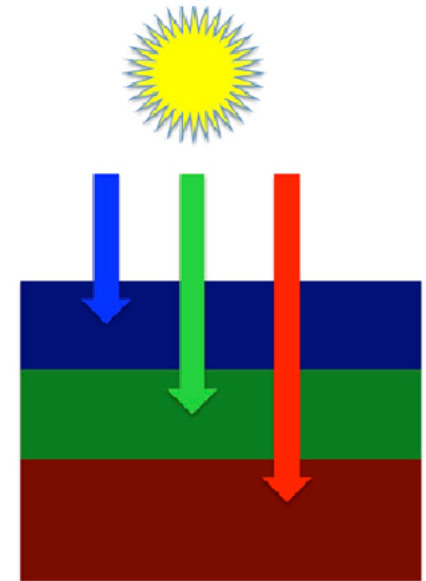


- **Active 2012-**
- **Co-founders:**
 - Carl Junesand, CEO
 - Bo Hammarlund, VP marketing and sales
 - Sebastian Lourdudoss, senior scientist
- **Innovation and Product:**
 - Semi-insulating regrowth for photonic integration and Quantum Cascade Lasers (~ 15 μm deep mesas)
 - Templates of III-V on Si
 - InP on Si for Si Photonics



Tandem Sun AB

- **Tandem Sun AB**
 - Active: 2013-
 - KTH Innovation
 - EIT-KIC InnoEnergy partner
- **Innovation and product**
 - High efficiency multi-junction solar cell on silicon substrate
- **Founders**
 - Professor Sebastian Lourdudoss
 - Dr. Yanting Sun
- **Technology**
 - Coherent III-V/Si heterojunction
 - PCT/SE2013/050355



Others

- Lars Thylén: Fuyang Photonics, China