



Swöt

the fourth nano dimension

Introducing The Fourth Nano Dimension NanoEquity 2006

10./11. Mai 2006, Hilton Hotel Frankfurt am Main
Majk Kupferberg, SWET Optics, CEO

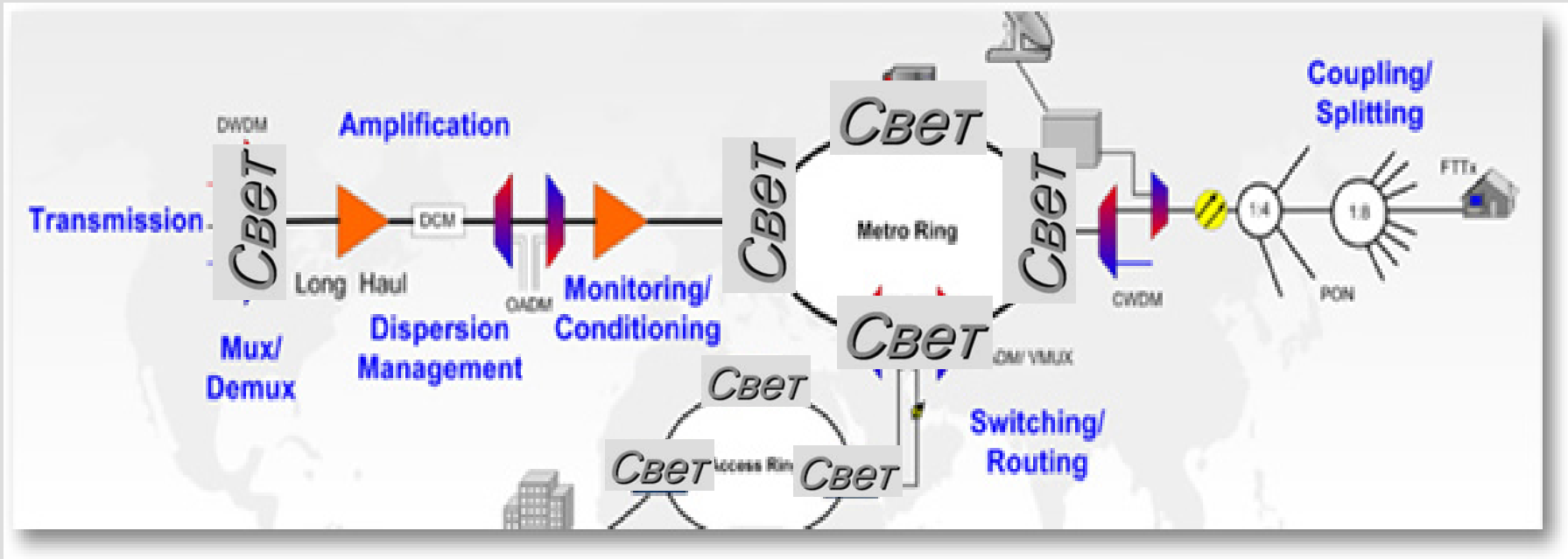
Who is SWET Optics?

- *CBET* (russian) means „light“
- SWET Optics:
 - Russian technological knowledge meets
 - Western marketing skills
- Our vision
 - To become the world's leading company of opto-electronical components for the ultra-fast internet and other applications
- Our products
 - Optical add/drop-multiplexers, filters, and switches
 - Tunable and reconfigurable in nano-seconds

The Super-fast Internet

- New technology DWDM
 - DWDM: multiplication of the capacity of the fibre by <80
 - Optical transmission based on DWDM: just 5% of all networks are already using it
 - Forecasts say, that up to 90 % will use it until 2010
 - Telcos will only change the network nodes not the basis infrastructure
- What is needed?
 - Fast input of the optical signal
 - Flexible switching and cross-connecting
 - Fast output of the optical signal

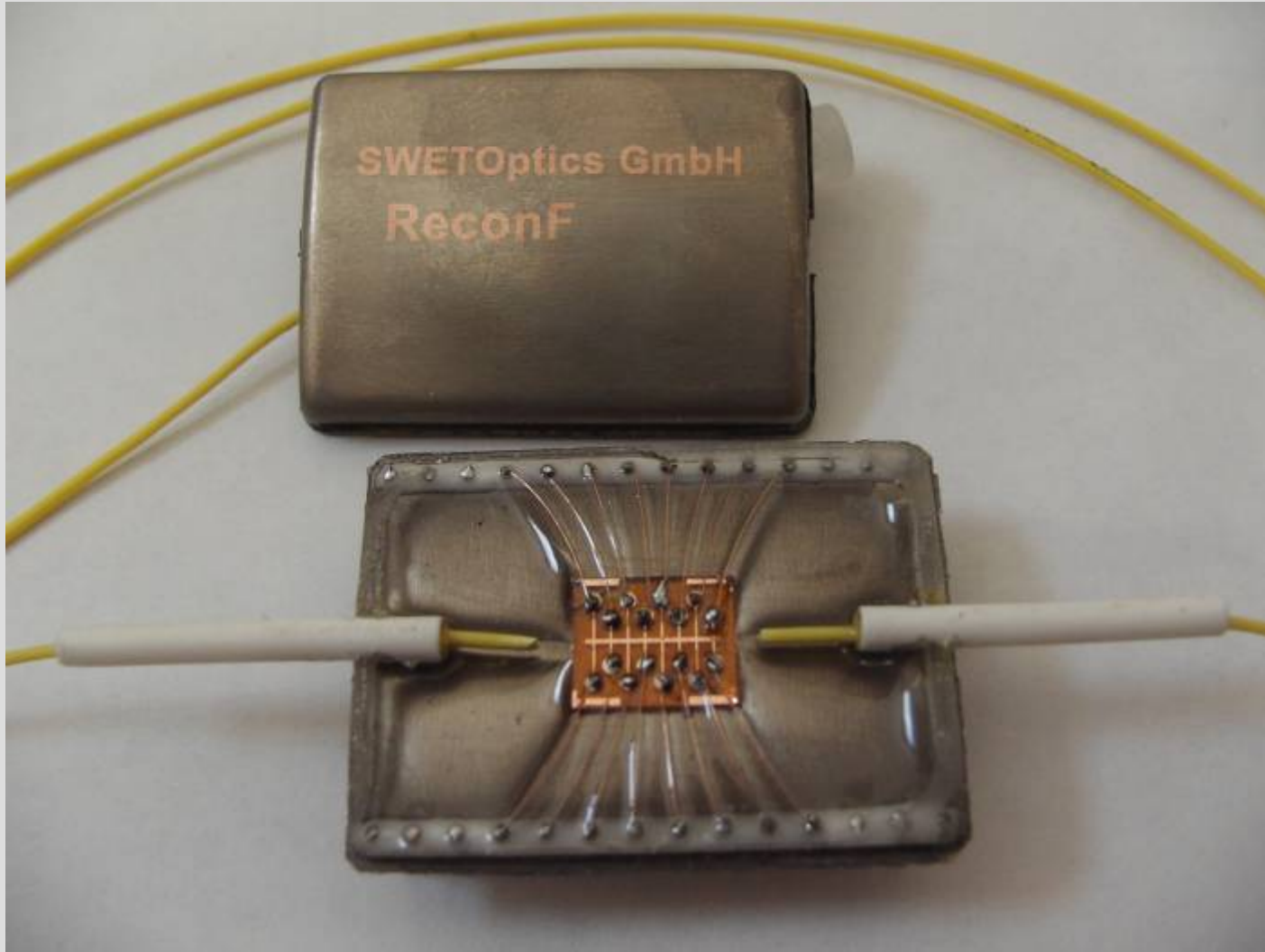
Internetworking



CBET Products

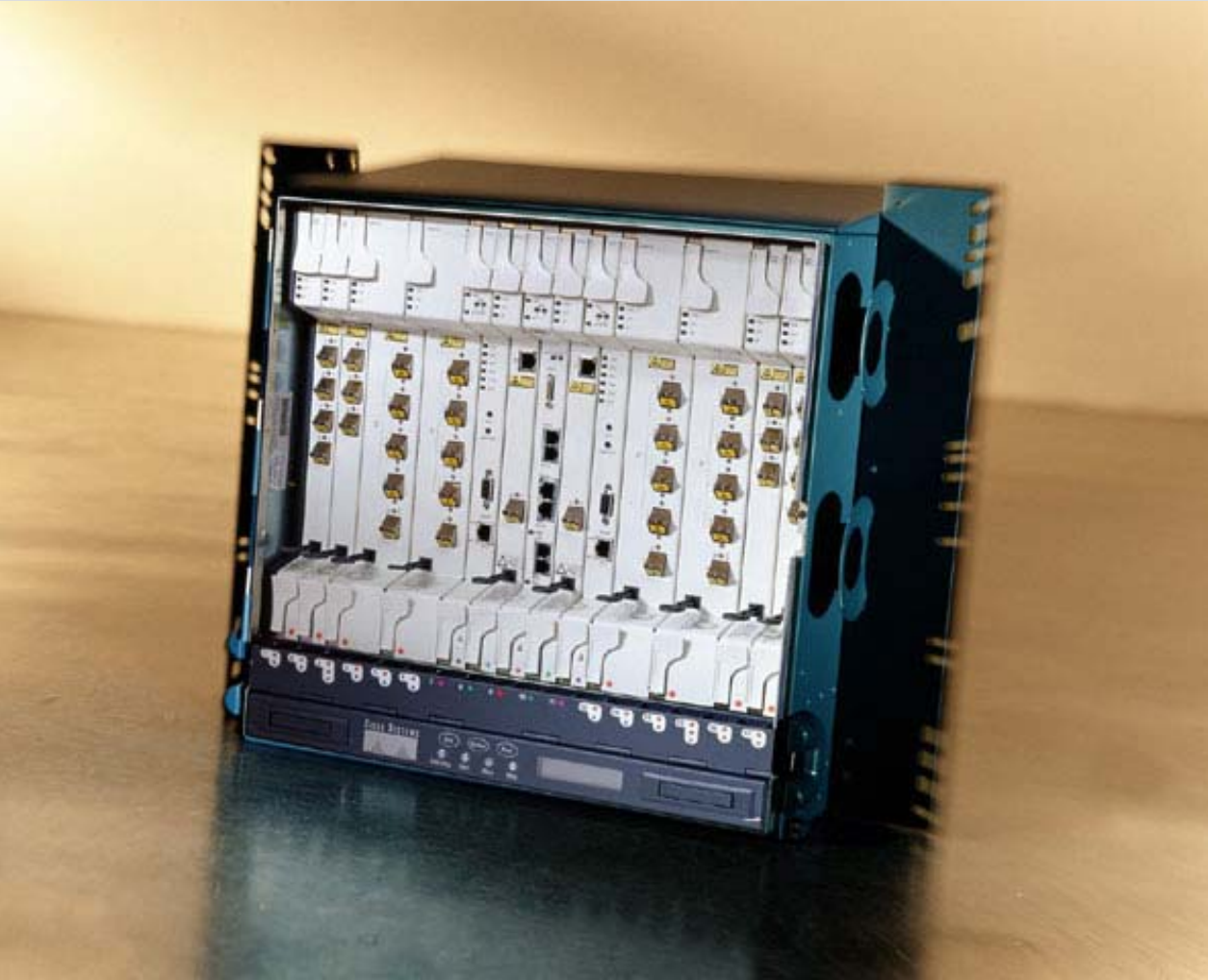
- On the platform of a unified optical chip we can offer three distinct products
 - Switch/attenuator **SwAtt**
 - Tunable Cross Connector **TunXC**
 - Reconfigurable Filter **ReconF**
- Our technology excels at
 - Its revolutionary principle
 - Controlling opto-electronic elements by electrical fields
 - Its manufacturing principle *profiled grating*TM
 - Excellent technological characteristics
 - Very cost-effective

Our Prototype is Available

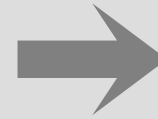


Today and Tomorrow

20 x Cisco ONS 15454



1 x SWET ReconF



Why Do Clients Buy Our Products?

- Our market is real. And we deliver
 - Better,
 - Faster,
 - More reliable products,
 - That save our end-clients' money
 - Our technologies opens new horizons.
 - Fast reconfiguration of DWDM channels creates manageability
- Higher quality at a better price

Unique Selling Proposition

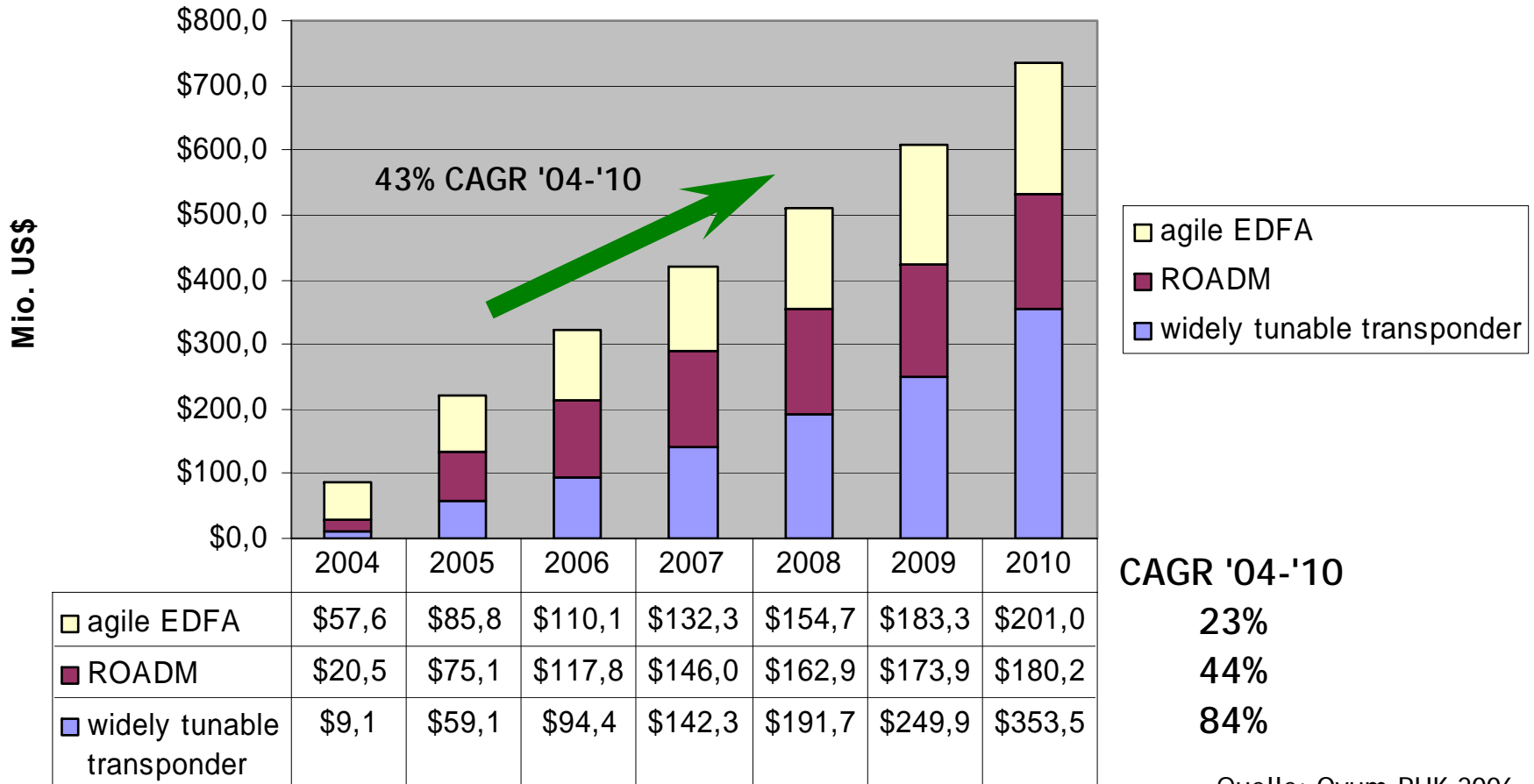
- Fastest opto-electronic filter world-wide
- Up to 8 (future 20) channels switchable in parallel
- A one-chip solution
- Application programmer's interface
- More cost-effective than any other product in the market-place

Our Clients

- Telecommunication
 - Cisco
 - Lucent
 - Nortel etc
 - Component Providers
 - Infineon
 - AMD
 - Intel etc
 - Test equipment manufacturers
 - Fujitsu Siemens
 - IBM
 - Dell etc
 - Medical equipment manufacturers
 - Siemens Medical Care
 - Philips etc
- We concentrate on telco businesses and their suppliers.
- We create not only a push but a pull market also. Telcos will ask for our components.

The Market Place

World Market for Agile Components



CAGR '04-'10

23%

44%

84%

Quelle: Ovum-RHK 2006

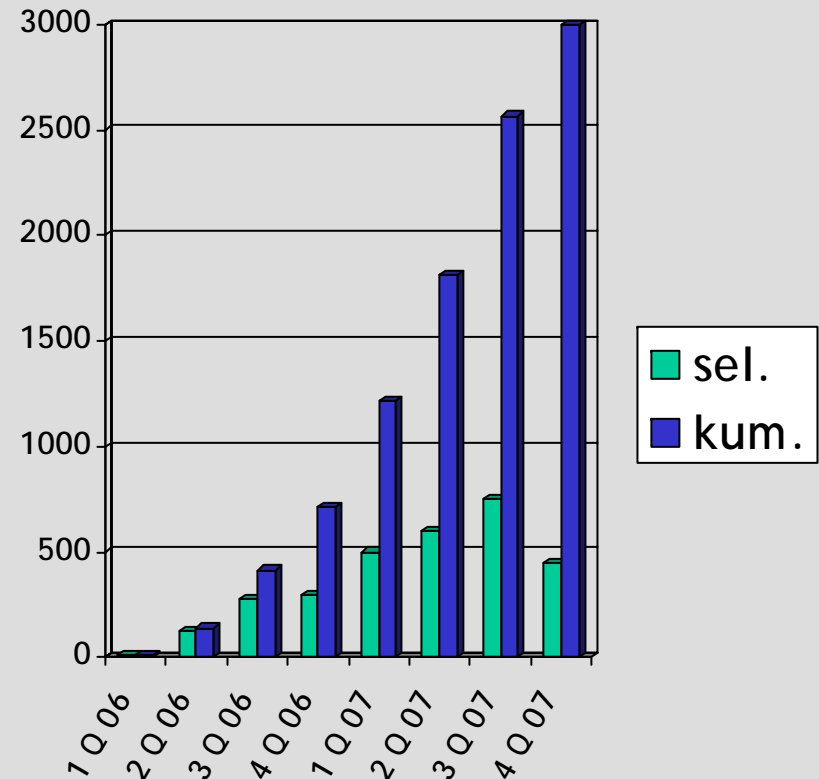
Our Competition

Company	Unit / Device	Principle / Performance
<p>1 element per selected channel</p>		
<p><i>CBET</i></p>	<p>Tunable optical filter, reconfigurable transfer function (unique!) Single channel switch, attenuator</p>	<p>Electrical control switching/tuning time - 10-100 ns 1, 2, 3, 4, 5, ... or arbitrary combination of selected channels</p>

What Do We Need?

- Capital needs
 - ✓ 700k € in 2006
 - ✓ 2300k € in 2007
- Application of Funds:
 - Investment in
 - Equipment
 - Development
 - Production
 - Marketing
 - Staffing
 - Developers, Researchers
 - Sales + Marketing
- We expect first revenues as soon as 1st quarter 2007

Investitionsbedarf (in k€)



Intellectual Property

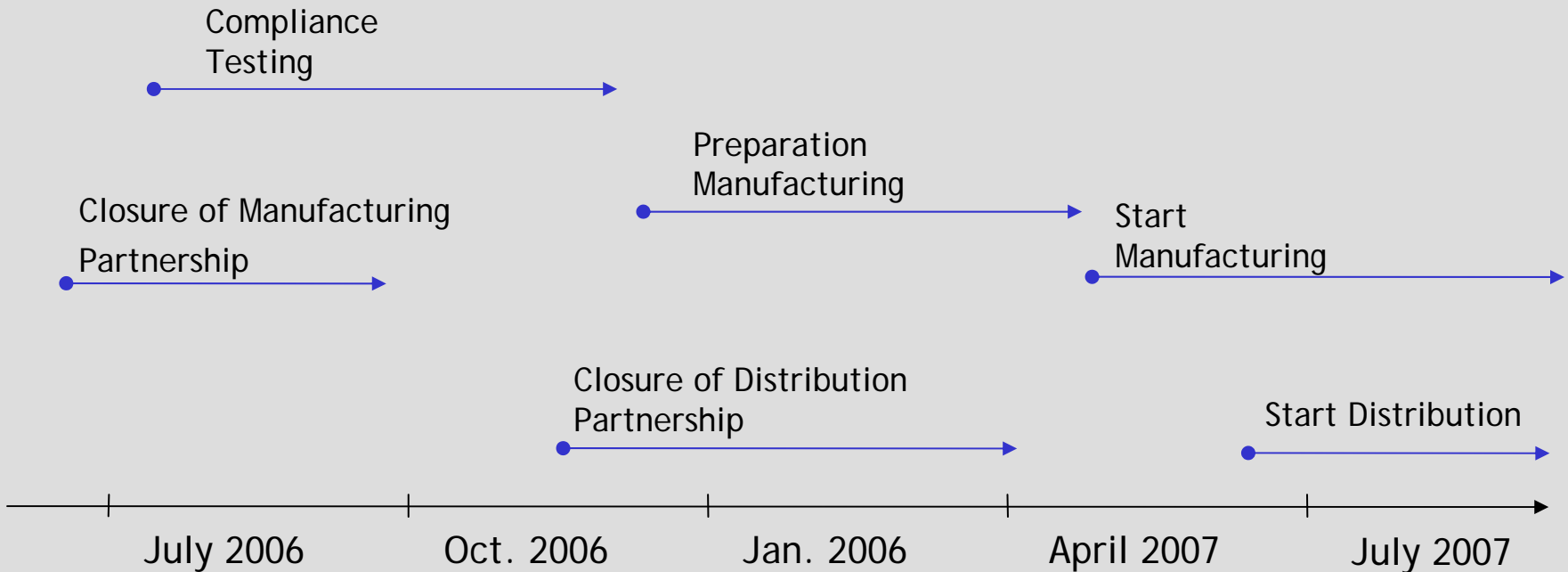
- All rights reserved for SWET Optics:
 - Patents
 - Intellectual property rights
 - Trademarks

Milestones

Achieved:

- Foundation
- Seed Capital
- Prototype
- Partnerships
- Patent application
- Innovation award

Next steps



Our Team

SWET Optics GmbH
Frankfurt/M. St. Petersburg

Dr. V. Petrov
Chief Technology Officer

M. Kupferberg
Chief Executive Officer

J. Klingler
Chief Financial Officer

Physico-Technical Team
Research and Development
St. Petersburg

Marketing Team
Administrative Team
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