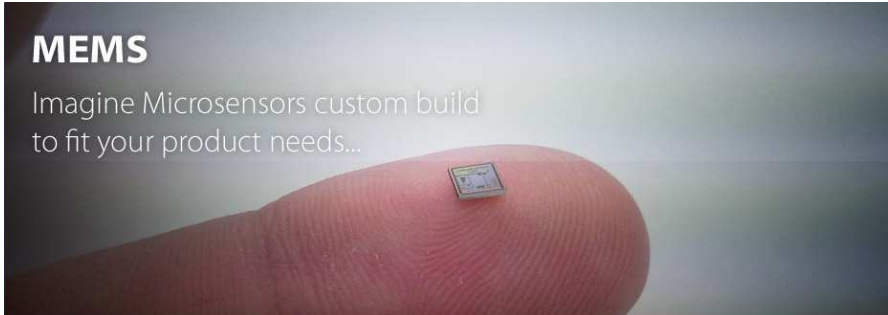


ESS - European Sensor Systems

MEMS

Imagine Microsensors custom build
to fit your product needs...




Company Presentation

April 2011

Private & Confidential

ESS Overview

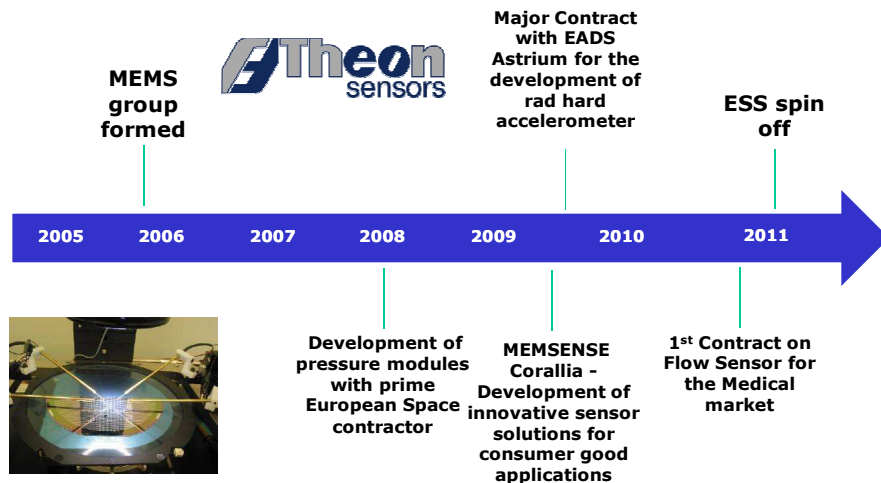
- **European Sensor Systems "ESS" is a recent spin off from** 
 - Operates within Theon Sensors as a separate Business Unit since 2006
 - **Business Model:** It is a silicon fabless design and development house that specializes in the production of smart modules utilizing microelectronic technologies
 - **Prime scope of work:** Design, develop and produce customer specific sensor modules via standard industrial processes
 - **Products & Applications:** Employed for sophisticated monitoring and control applications concerning:
 - Flow
 - Pressure
 - Acceleration

April 2011

Confidential

Page 2

ESS History Milestones

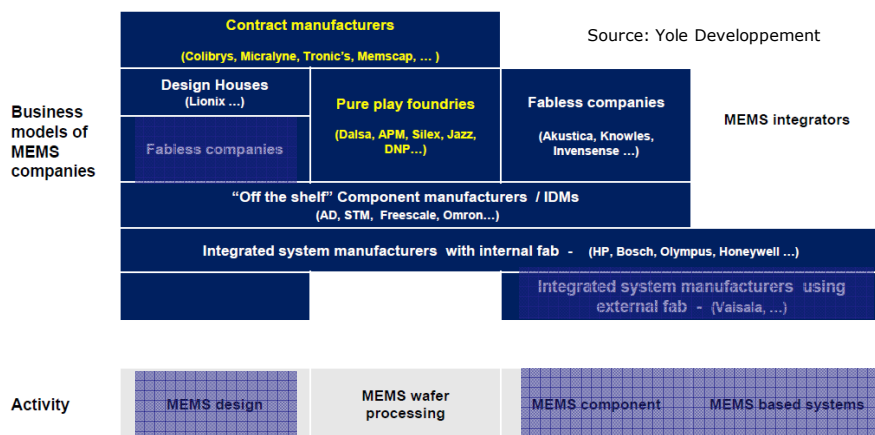


April 2011

Confidential

Page 3

MEMS Industry mapping



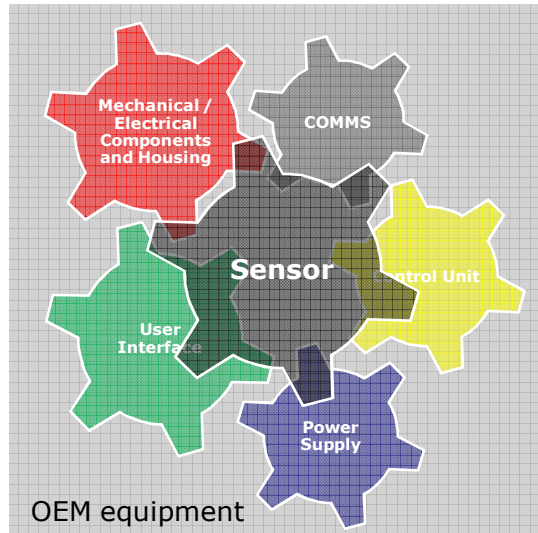
ESS unique position within the MEMS Industry

April 2011

Confidential

Page 4

Industry problems and pains



Off the Shelf Market

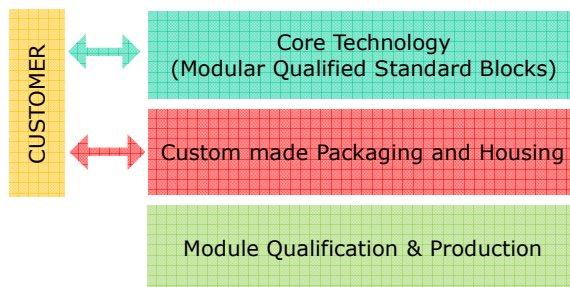
- Variety of Interfaces (SPI, I²C, custom, etc)
- Long Decision time for OEMs
- Long Adaptation Time

April 2011

Confidential

Page 5

Solution



Proposition Value

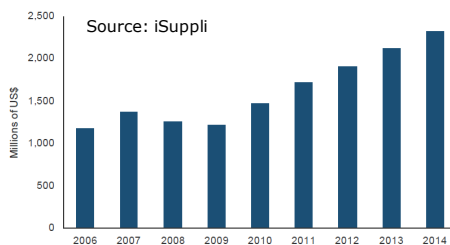
- Reduced Time to Market
- OEM gets what really needs
- Unique Mixture of Multi-discipline field experts
- Unique combination of modular core blocks with custom mechanical design and short qualification/production roadmap

April 2011

Confidential

Page 6

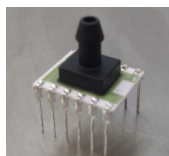
MEMS Market Projections



- MEMS Market reached \$1.2 billion in 2009, expected to exceed \$2.4 billion in 2014

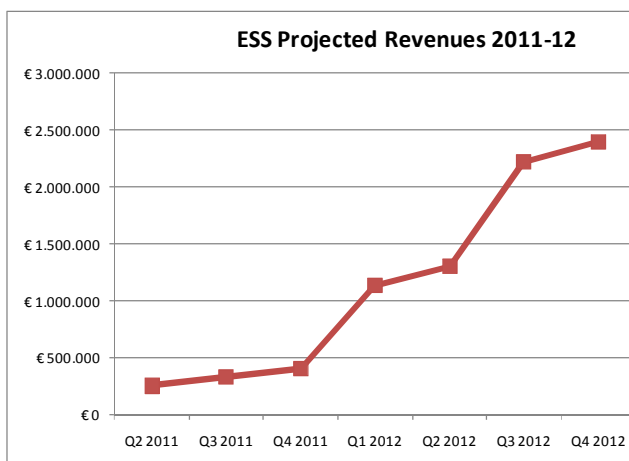
- Market share breakdown**

- Pressure / Acceleration / Flow sensors constitute ~70% of the total available market
- 50% market share for Aerospace & Medical applications (ESS target markets)



- ESS market access \$630m for 2012

ESS Projections



- €6m within 2012

- Main assumptions**

- Deliver contractual requirements against running projects
- Turn into revenue 60% of LOIs and Supplier Agreements
- Additional growth ~10% from currently unknown customers