

The European large-scale
integrating project COTECH

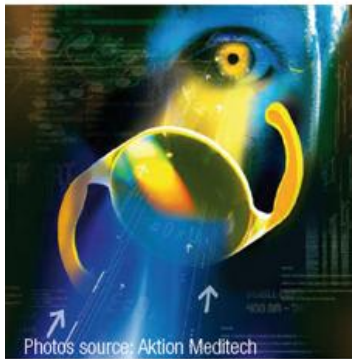
Project identity card

Title	COnverging TECHnologies for micro systems manufacturing
Acronym	COTECH
Starting Date	2008-10-01
Duration	48 months
Project budget	8.5 Mio €
EC contribution	6.0 Mio €

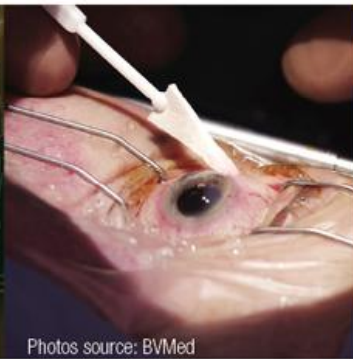
Project objectives

- **to develop and to demonstrate** new micro replication techniques supported by emerging tool-making technologies for the manufacturing of polymer-based multi-material components
- **to introduce and to demonstrate** new micro replication techniques combining capabilities of different processes or techniques based on micro injection moulding
- **to implement** global process chains for the manufacturing of polymer-based micro-mechanical components and systems. This will be supported by the use of new advanced simulation models and “in-situ” non destructive testing procedures.
- **to demonstrate** the capability of producing high added value micro devices with advanced functionalities by means of realizing 8 demonstrators coming predominantly from the areas of healthcare and automotive industry.

Project demonstrators



Photos source: Aktion Meditech



Photos source: BVMed

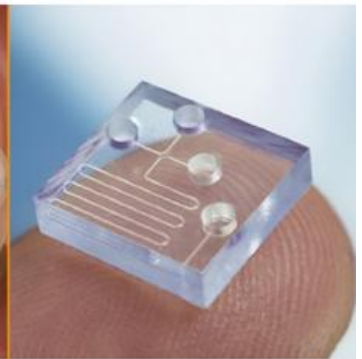
be innovative
Accommodable intra-ocular lens



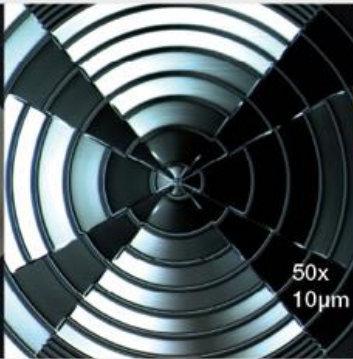
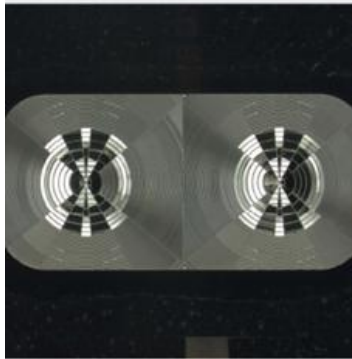
CRP
LED-based rear lamp for cars



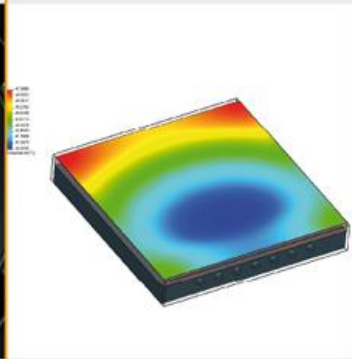
Euroortodoncia
Self-ligating dental brackets



Greiner Bio-One
Smart diagnostic chip



Heptagon
Micro lens for cell phone flash light



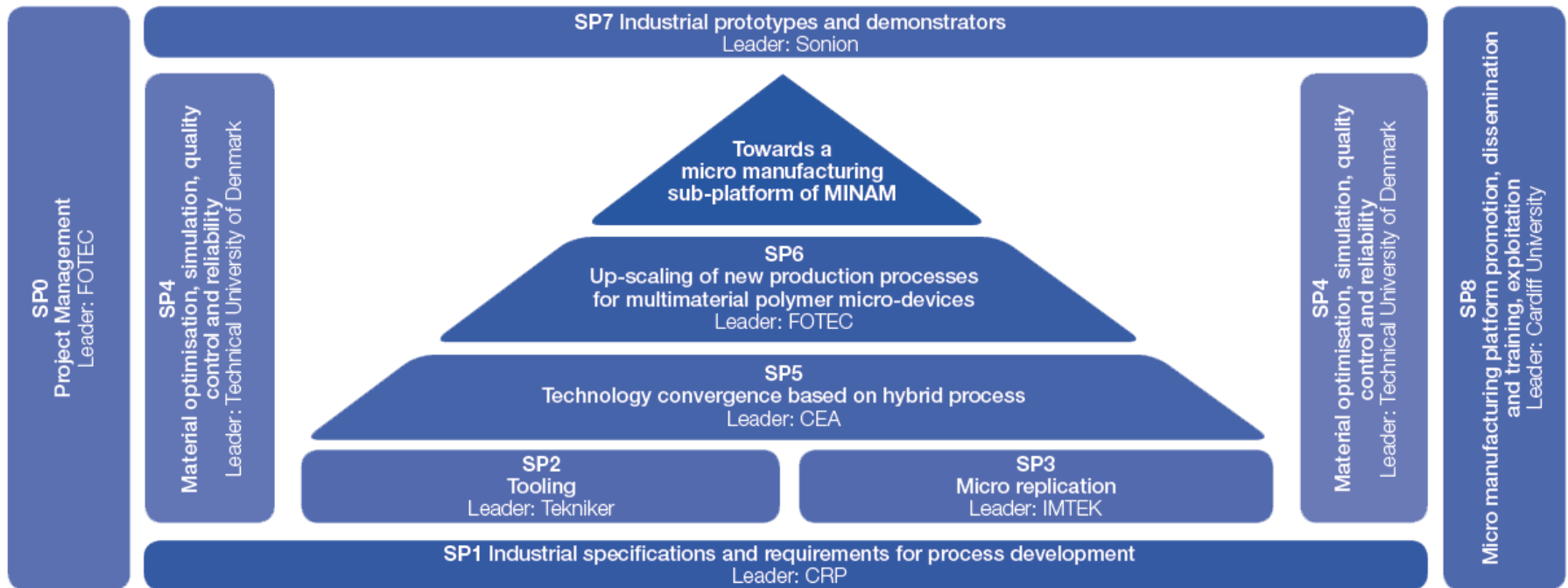
Atherm
Cooling device



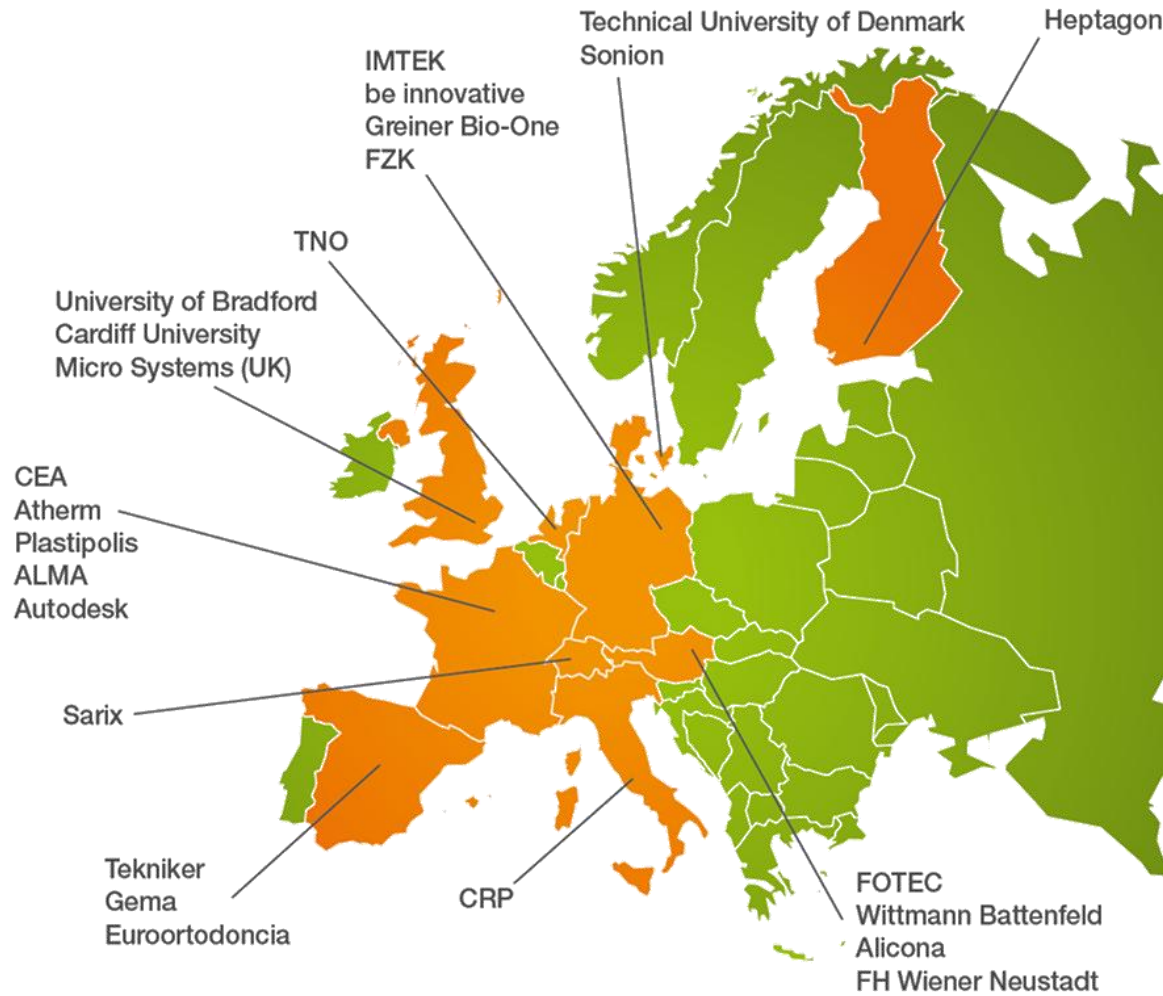
Sonion
Micro socket for signal carriage of a hearing instrument



Project work plan



Project consortium



Project contact



www.fp7-cotech.eu

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