ITEA 2

INFORMATION TECHNOLOGY FOR EUROPEAN ADVANCEMENT

TECOM

Trusted Embedded COMputing

SOLUTIONS & ARCHITECTURES FOR INTEGRITY AND SECURITY REQUIREMENTS

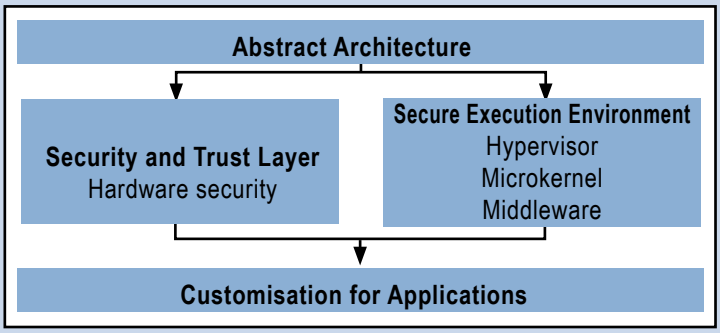
WHY TECOM?
Embedded systems are increasingly complex and dynamic.
Safety and security are now major concerns.
Platforms which address integrity and security are needed.

EXAMPLES	SECURITY	SAFETY
Resource management	Denial of service	Lack of quality of service
Data access	Non authorised access	Accidental access

ONE SOLUTION DOES NOT FIT ALL

- Fragmented market with different technologies and standards (e.g. Trango, Xtratum, XEN, Arinc653, L4, RT-Linux, OSEK-VDX)
- Different resource constraints and footprints

APPROACH
Abstract architectures based on generic modules: - Security and trust layer, - Secure OS technology
Customisation for application sector



EXPECTED RESULTS		
Security solutions based on:	Demonstrators:	Studies:
Hypervisors	Mobile application	Automotive sector
Microkernels	Home control	Avionics sector
Middleware	Video-surveillance	

CONTACT

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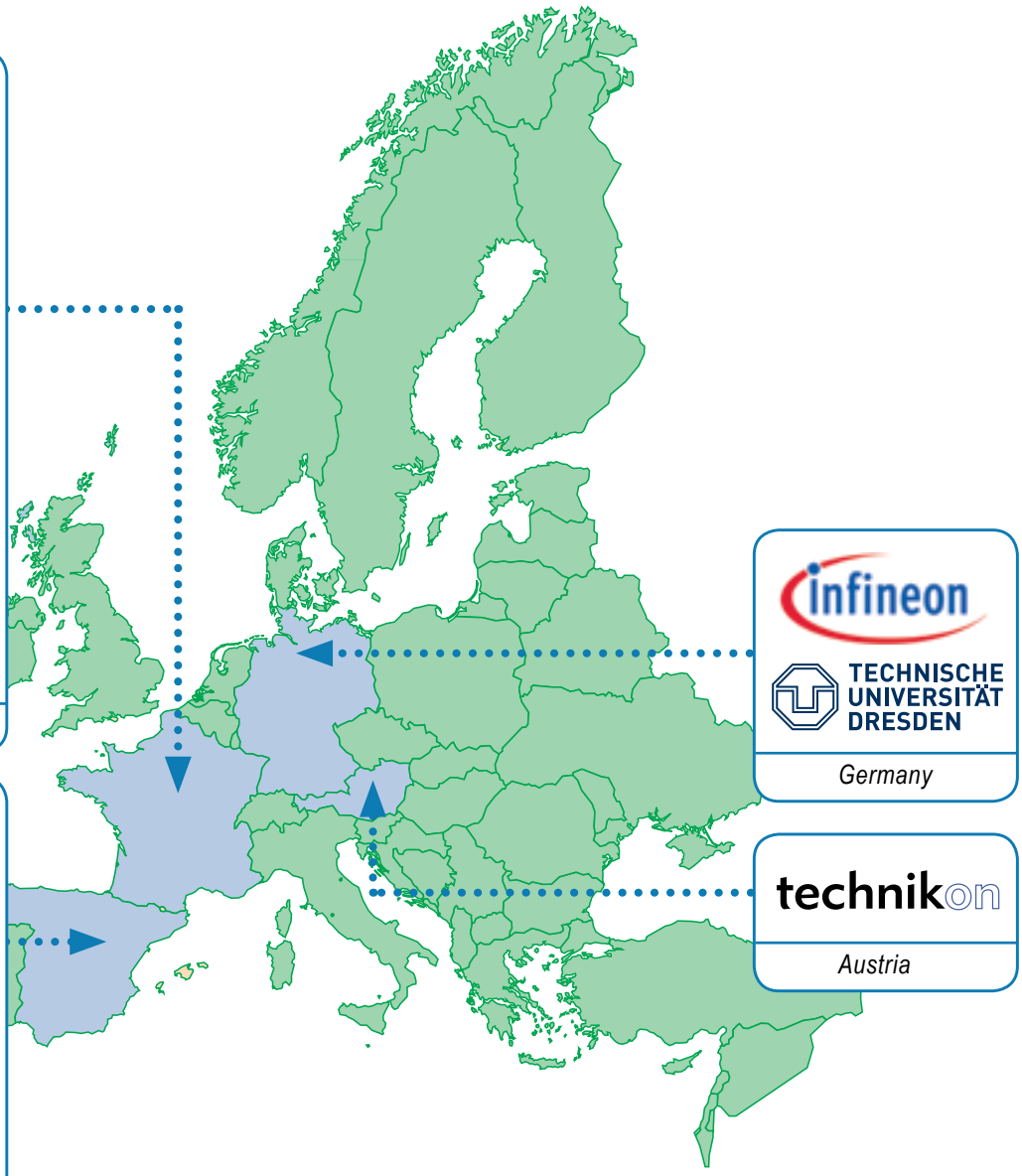
CONSORTIUM



France

Spain

Germany

Austria

Timetable
1 September 2007 – 31 August 2010

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