WoO
Web of Objects

PROJECT SUMMARY
Build on IoT and WoT, make objects smarter enabling them acting in secured choreographies towards making easy the development of complex business IoT applications.

OBJECTIVES
- Devices & services Interoperability
- Service adaptation to context
- Increased security
- Devices dynamic discovery, reconfiguration and cooperation

BUSINESS VALUE
- Migrate of the existing business applications to the Web of Objects
- Acquire new business collaboration based on devices and services sharing
- Towards automated & decentralized system operation

EXPECTED RESULTS
- Service infrastructure for IoT business applications enabling multi-tenancy, interoperability, service composition
- Semantic-based reasoning tools

CONTACT
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PROJECT CONSORTIUM

WEB OF OBJECTS PARTNERS
- Large companies (6)
- SMEs (7)
- Universities (7)
- Research institutes (5)

PROJECT START
January 2012

PROJECT END
December 2014

WORK PACKAGES OVERVIEW

- WP1 - Project Management Planning, monitoring, reporting
- WP2 - Use Cases Sota, Application Requirements and Business Models
- WP3 - Common Architecture Requirements, specifications & reference architecture
- WP4 - Devices and Network IPv6, autonomic & wireless sensors networks
- WP5 - Services Semantic Based Handling Modelling, Reasoning, Composing and orchestrating
- WP6 - Demonstrations Smart and secured building oriented demos
- WP7 - Dissemination Dissemination, exploitation, standardization

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WoO Demonstrators
Web of Objects

**COOPERATIVE OBJECTS FOR SECURED & SMART BUILDINGS**
- Multiple levels interoperability with proxies and gateways
- Behaviour Composition
- Context recognition
- Semantic-based reasoning

**ONE EVENING FROM HOME TO THE MALL**
- NFC-Based personalized access to services provided by home, personal car, parking, shopping mall’s objects and commercial actors

**SMART EMERGENCY SURVEILLANCE IN HOME AND IN SHOPPING MALL**
- Dynamic service creation based on semantics & context
- Pet Care service
- IPTV service platform based on Smart streaming protocol

**AUTONOMOUS ENERGY EFFICIENT CLIMATE CONTROL**
- Smart Monitoring & Diagnostic
- Mote Placement Optimization Tool

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