

Web of Objects Project Results at a Glance

Smart Objects for a Smarter City

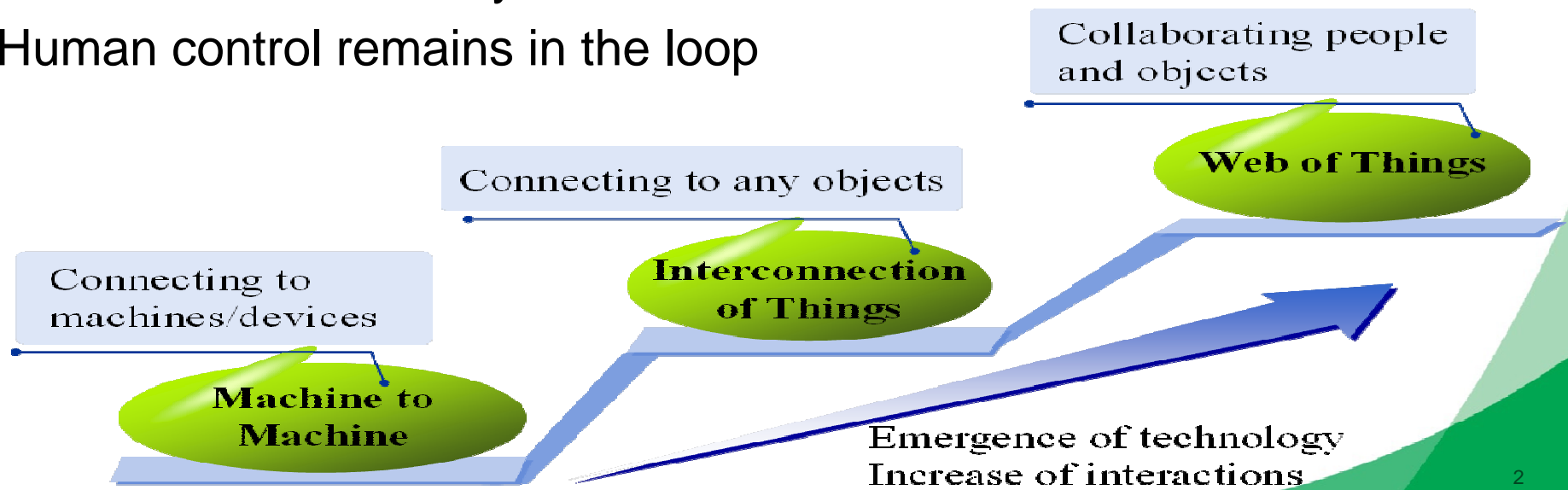
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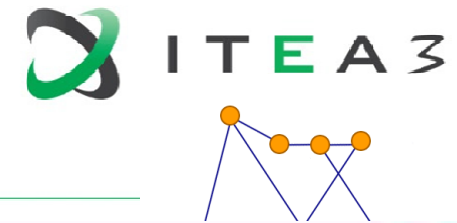
ITEA 3 & Artemis Co-Summit, 10-11 March 2015

Web of Objects project focus

- By 2020: **50 billions devices** connected to Internet **Internet of Things (IoT)** will add **\$1,9 trillion** to the global economy
- Connection is not enough, intelligence is needed: what-if the **Charlie Hebdo terrorist attack** turned otherwise?
- Web of Objects **modular solution kit** support business developing IoT industrial and consumer applications, where:
 - Objects react upon situation
 - Alerts are automatically raised and handled
 - Human control remains in the loop



Web of Objects results in action: incident management



- Objects are active players
- Real-time alarm processing leads to stakeholders coordination



CRITICAL ALERT



Control Center

CC-Video-Tracker:
-suspectSelection
-suspectLocalization

CC-Alarm-Manager:
-callFireAgency
-assignRightsFireman
-evacuationMessage

CC-Maintenance:
-equipmentFaultDetection
-assignRightsRepairman



Personalized interactions with surrounding objects



Home: Locked
Devices: Stand-by
(Intelligent Metering System)



Family Leaves Home

Camera: Vehicle identification
Parking: Places for loyal customers



Arriving in Mall Parking

Elevator: Smart access
Interactive Screen: Buy movie tickets
Book a table in a restaurant



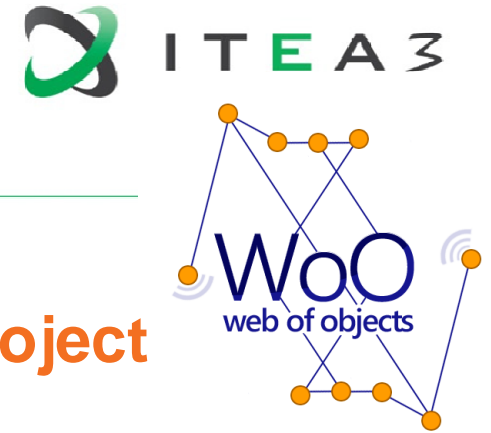
Using Mall Elevator

Restaurant & Cinema:
discounts (mutual agreement
with **Electricity Company**)



Booking Discount Tickets

Personalized & contextualized services



- See multiple demos on-line at:
<https://www.youtube.com/user/webofobjectsproject>
- **Climate control and energy saving**
by exploiting occupancy information in building
 - Dynamic communities of users and devices
 - customer-centric service features: **Evacuation guidance**
different for **able-bodied** or **disabled persons, children**, etc.
- IPTV services based on smart streaming



Project results already in business



- **Thales**: video-surveillance solution with embedded video analysis and dynamic deployment
- **Odonata**: Embedded service and resource framework (Freemium business model)
- **Sogeti HighTech**: *SmartEngine* service licensing (IBM)
- **Kaist**: add smart home services to *Open IPTV service platform*
- **NMATEC**: new industrial offer based on the *ClimaCon*
- CairoU: **IoT Spark** start-up for building/home appliance control
- UPE: **Bec3.com** start-up based on workflow choreography solution; Cerebro Reasoning Engine
- **Elecnor Deimos**: *Gloo platform* for Smartphone IoT apps,
- **Telespazio Ibérica** improved the *smart metering platform*
- **Prodevelop** released a *smart city platform* with device management support.

Thank you for your attention
We value your opinion and questions