

Objective ICT-2009.1.3. INFO DAY

Internet of Things and Enterprise
Environments

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TechIDEAS, Extreme RFID

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TechIDEAS proposal

- RFID in extreme conditions
 - Metal & carbon fiber structures
 - Vibrations from 50Hz to 2500Hz
 - Temperatures from -10°C to 160°C
- Field experience in automotive, motor sport and airports.
- Applications for Automotive Industry, Aerospace Industry & Airports Industry are strategic for Europe



Objectives and scope

- Impulse the development & deployment of a large scale pilot project on strategic industries in Europe
- R&D on enabling technologies, like tag's, antennas and telecommunications
- R&D on software architectures suitable for massive deployment in Europe: robustness, scalability, interoperability
- R&D on security protocols and architecture



Expected Impact on Industry

- Optimization of supply chain management for Automotive
- Improvement of security in Airports based on accurate tracking of Baggage and People
- Improvement of security in Aerospace Sector based on configuration management of the Aircraft.



TechIDEAS experience in Automotive Industry

- “On- Metal” Tags
- Multi path reading
- Challenging environment for tag reading
- Inventory management
- Component tracking and life-cycle
- Vehicle tracking
- Duane check-in and check-out



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TechIDEAS experience in Airport Industry

- Risk management
- RFID boarding pass
- People tracking
- Baggage tracking
- Improved security
- Important experience gathered



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TechIDEAS experience in Motorsport Industry



Requests and Contact details

- We are looking for a consortium willing to deploy a pilot project on Airport, Automotive or Aerospace Industry.
- We offer previous industrial expertise on RFID
- We offer previous R&D experience in FP6 & FP7
- For more details contact TechIDEAS:
pablo.hernandez@techideas.es



2005

2007

2004

2006

2008

START-UP

TechIDEAS start-up and visit of Jordi Hereu (Barcelona Major) to our offices in Barcelona Activa



WSIS 2005
TechIDEAS with Viviane Reding (European Commissioner) at WSIS 2005

ICTINEU III
Engineering a Dive by Wire System for ICTINEU SUBMARINS



SEAT SPORT WTCC
Engineering a new Telemetry System based on WiFi technologies

TAXITRONIC GOBOX

Engineering the most innovative Taximeter all-in-one of the world, developed in collaboration with TAXITRONIC



La pyme catalana TechIDEAS colaborará con el MIT de Boston

La firma tecnológica participará en los programas de formación

El prestigioso instituto de tecnología de Boston (MIT) alcanzará un acuerdo con la firma TechIDEAS. La pyme barcelonesa participará en los programas de formación tecnológica desarrollados entre sus investigadores.

PERDIGON, M. S. / VIDE

BARCELONA. - Desde Boston al 7 de mayo. La empresa de software TechIDEAS, ubicada en el centro empresarial de Barcelona Activa, ha firmado un acuerdo con el prestigioso instituto de tecnología de Boston (MIT) para colaborar en los programas de formación tecnológica desarrollados entre sus investigadores.



PABLO HERNÁNDEZ
Fundador de TechIDEAS



La empresa de software TechIDEAS, fundada y dirigida por Pablo Hernández y ubicada en el centro empresarial Barcelona Activa, ha firmado un acuerdo con el Massachusetts Institute of Technology para colaborar con el programa educativo y profesional del MIT alrededor del mundo. PAGINA 75