

# PHILIPS

## Philips Identification products and applications

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September 22<sup>nd</sup> 2005  
Ocova forum

## Philips Semiconductors

- Top-10 Semiconductors supplier with revenues of around 4.5 B €
- Focus on semiconductor solutions for Connected Consumer applications
- 36,000 employees
- More than 6000 engineers of which more than 1200 are software engineers
- Global organization, sales force delivering to 60 countries and 20 manufacturing sites
- France locations : Caen, Le Mans, Paris, Grenoble, Sophia



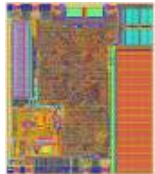
## Philips Semiconductors in Identification Technologies

- **Contact & Contactless Smart Cards**
  - Securely identify PEOPLE
  - Grant PEOPLE access to services
  - Proximity Range (contactless), < 10cm
- **Smart Labels / Smart Tags**
  - Identify or track GOODS
  - Vicinity & Long Range > 10 cm

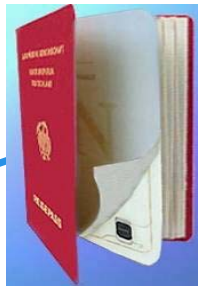


## Smart Card products and applications

- Mifare / DesFire memory IC contactless
- SmartMX / SmartXA Smart Card Microcontroller IC : Contact and/or contactless

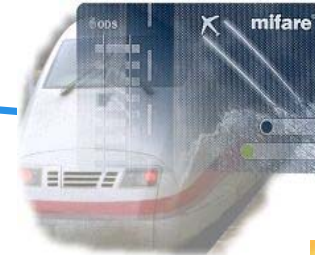


SIM card



Electronic Passport

Electronic ticketing – world wide



Transport plastic cards and paper tickets / access control

Electronic purse /Ticketing



Payment everywhere: Mobile phone NFC

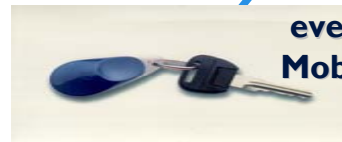
Banking card



ID card



Contactless payment at petrol stations



## Smart Labels products and applications

METRO Group



DELL™

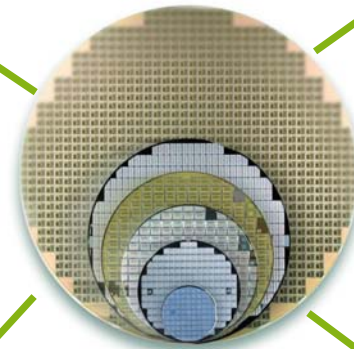
Supply Chain Management EPC tags



Pets tag

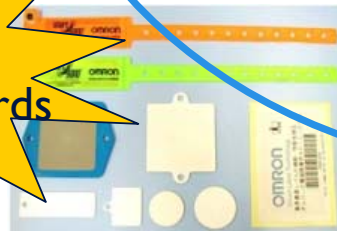


- Hitag IC ( 125 KHz)
- Icode IC (13,56MHz)
- Ucode IC ( UHF)
- Car Immobilizer IC ( 125KHz)



Tag Front (Actual Size Approximation)

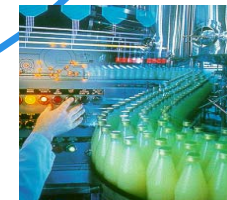
Livestock tagging



RFID enabled car key



Item level tagging  
Anti counterfeiting



Interoperable  
Global ISO standards



For more information :

<http://www.semiconductors.philips.com/markets/identification/index.html>