- **ICT Developer / Technology Expert**: we offer strong expertise in all Web / Mobile related technologies, as well as IoT- and CPS- based applications, big-data & analytics, cloud technologies, cyber-security, CRM, HbbTV and omni-channel communication.

- **System Integrator**: we take care of the integration of partners' developments into working system, including all necessary testing activities.

- **Piloting / end-users**: we support end-users in piloting and evaluation activities; we **involve our customers** and **partners** as **end-user**s in the projects, from different sectors (manufacturing, TV, publishers, energy, etc..).

- **Exploitation and Dissemination**: we contribute actively through participation to conferences and events at European scale; our goal is to **bring R&D results on the market**, so we invest in exploitation activities by involving necessary stakeholder (prospects, customers, marketing actions, etc..)

**KEY PROJECTS**
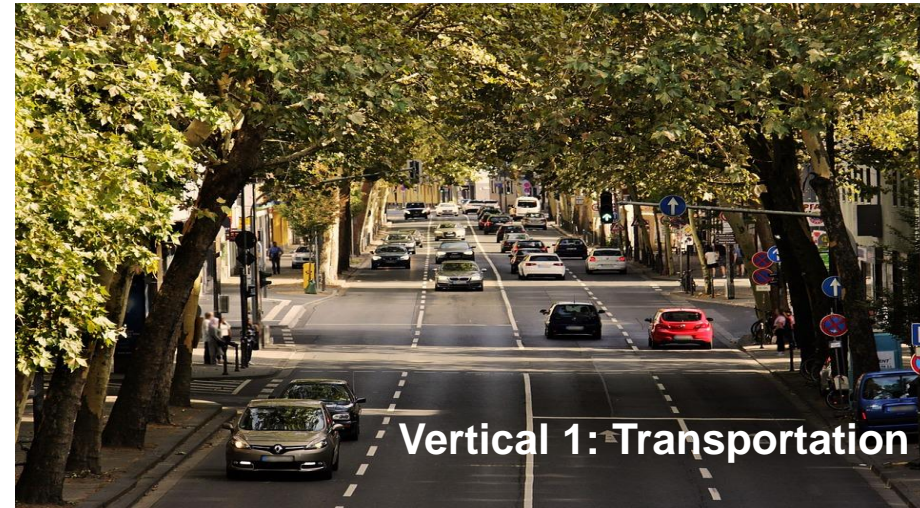
**Smart Manufacturing and IoT**

- **FP7 FI-Space:** collaborative transport planning and monitoring in manufacturing.
- **H2020 PSYMBIOSYS:** collaboration tools for Product-Service symbiosys in the manufacturing industry.
- **H2020 BEinCPPS:** IoT, CPS and Industry4.0 applications applied to tractors manufacturing

**Media and Creative Industry and Creative Industry**

- **H2020 CONTENT4ALL (Coordinator):** Smart TV content creation and services for the Deaf community
- **H2020 ABC-DJ:** musical branding solutions for the retail sector, in the creative industry.
- **H2020 PRODUCER:** enhancing pre- and post-production video content enrichment to enable interactivity and personalisation.
- **H2020 MPAT:** innovative tools to support the editorial team to create compelling multi-screen experiences and HbbTV applications.
- **FP7 FI-Content:** demonstrating interactive AD effectiveness on HbbTV, through 2nd screen applications.

- **Complements** ICT-17 experimental sites with up to **3 more Pan-European 5G testing spots**

- Bring a consortium of successful and **diverse partners** with at least **one leading domain expert** any of the mentioned verticals:
    - **Transportation**
    - **Media** and **Creative Industries**
    - **Digitalizing** European **Industries**
    - **Healthcare**

- Validation of 5G KPIs:
    - Zero latency e.g. near real time
    - Edge computing
    - High Bandwidth
    - Distributed network of "sensors"



**Vertical 1: Transportation**

We want to leverage on the edge computation offered by the 5G infrastructure to run experiments with **autonomous vehicles** in two phases:

1) **Human controlled vehicles** interacting with **connected cities and citizen**, to exploit social and urban mobility challenges: data capturing, analysis and behaviour modelling.

2) **Autonomous vehicles operating into a controlled but dynamic environment**, applying AI and models predictions in strong connection with cities and local administrations

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**Vertical 2: Media & Creative Industries**

We want to leverage on the edge computation offered by the 5G infrastructure to run experiments with:

- **Multi user interaction**
- **Mixed and Augmented reality**
- focus on **Accessibility** and **Augmented** User **Experience**

Within the framework of content production in two scenarios:

1. **Live content production**
2. **Cultural heritage** protection and valorisation

**Vertical 3: Digitalizing Industries** with focus on

- Port and airport
- Logistics
- Mobility of goods
- Mobility of persons

**Vertical 4: Healthcare** with focus on

- Aging well and augmented experience to silver People
- Insurance and Smart Contracts based on dynamic lifestyle sharing



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