The Site of San Sebastian

- 82 companies and technology centres.
- 3,633 staff
- 41% RDI workers
- 581,509 m²
- 36 plots and 29 buildings
- 67% car users
- 1.2 persons per vehicle
- Mobility for work, health, study and training and leisure
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✓ a. Key facts and figures (demo route & duration).
✓ b. Why the city decided to run a demonstration & expectations?
✓ c. How the demonstration was prepared?
✓ d. The demonstration itself: what went well and not?
✓ e. What the city learned from the demonstration?
✓ f. Next steps.
Key facts and figures (route & duration)

Routes:
- Site 1
- Site 2
- Site 3

Site selection

Audits

Final Route
Key facts and figures (route & duration)

Summary:

- Type: Small-scale
- Dates: April-June 2016
- Vehicles: Robosoft Robucity
- Route length: 1.2 Km
- Number of trips: 1,686*
- Distance covered: 2,023.20 Km*
- Number of passengers: 1,794*

- The demonstration in San Sebastian takes place in Miramon Science and Technological Park. The vehicle operates among other road users in mixed lanes and provides last-MILE mobility solution to commuters, workers and visitors.

* These figures reflect the situation on 27/05/2016, five weeks before the end of the demo
Why to run a demonstration & expectations

✓ Why?
  ✓ High use of private cars.
  ✓ Last mile service recommended.
  ✓ Promote public transport.
  ✓ Proper environment for ARTS (technological companies).

✓ Expectations:
  ✓ No accidents.
  ✓ Minimum disturbing.
  ✓ No important changes in the infrastructure
  ✓ Reduce the use of private cars.
  ✓ Complement the public transport and Promote ARTS.
How the demonstration was prepared

✓ Organization structure

Direction of Citymobil2 Project
Jesús Murgoitio
Tecnalia

Project Manager
Maria Izaguirre
Novadays

Legal
Authorization
Local Responsible

Marketing &
Communication
Juan Cendoya
Miramon Technology
Park

Technical Support
Héctor Calderón
Miramon Technology
Park

Operation & Maintenance
Josetxo Pena
Miramon Technology
Park

✓ Stakeholders support

STAKEHOLDERS
REGIONAL
GOVERNMENT
SPRI
EVE
TECHNOLOGY PARK
OF MIRAMON
MUNICIPALITY

MOBILITY
AND
LOGISTIC
CLUSTER

URBAN PUBLIC TRANSPORT
(DBUS)

TECHNOLOGY PARK
OF MIRAMON

POTENTIAL
USERS
• Workers
• Visitors
• Clients

DEMONSTRATION

BUSINESS

PUBLIC
How the demonstration was prepared

**Process for the authorization**

1. **Authorization to Circulate ARTS**
   - Provincial Head of Traffic of Gipuzkoa
   - plates
   - licenses for the circulation

2. **Instruction, Tests and Experimentation**
   - Technical Dossier of the Demonstrator
   - Manufacturer
   - Insurance
   - Annex I
   - Users
   - technological requirements of the vehicles
   - certificate for conducting automated driving tests (Annex II)
   - Fees (I.4)

3. **Authorization to circulate in the set path (itinerary)**

4. **Project Citymobil2 & Automated Transport System (ARTS)**

5. **TRAVEL AWARENESS CAMPAIGN**

6. **Communication strategy**

**Communication strategy**

- Communication
- TRAVEL AWARENESS CAMPAIGN
- Monitoring and evaluation
- MAX Methodology
- Project Citymobil2 & Automated Transport System (ARTS)
The demonstration itself: what well/bad

✓ Positive:
  ✓ High interest from people, independently of age, profession, etc.
  ✓ No important incidents for a complex site where different type of vehicles (private cars, trucks, bikes, buses, ...) are working all together.
  ✓ Legacy has been modified (new instruction from DGT).
  ✓ Support from public authorities has been a key aspect.
  ✓ Knowledge generated at different levels, and not only between partners.

✓ Negative:
  ✓ Low speed and not long autonomy of batteries.
  ✓ Rainy days: Rain can be detected as an obstacle.
  ✓ Some technologic improvements should be considered.
  ✓ Several un-civic behaviors
What learned / what it would do different?

✓ Conclusions:
✓ Demand is not high but the users has reported a very good experience.
✓ Frequency of the service and speed of the vehicles should be improved to have more and more users.
✓ Involvement and support coming from the public authorities has been very important for this pilot.

✓ Recommendations:
✓ Improve on speed of vehicles.
✓ Go further on legal aspects in order to authorize permanent service using ARTS.
✓ Avoid mix traffic until having a more consolidated service by dedicated lanes and being more confident for the new users.
✓ Involve different type of actors including vehicle manufacturers, public authorities, legal entities, assurance companies, etc.
Next steps

✓ Complete demo (one month more).

✓ Promote more visitors.

✓ Continue visits for more stakeholders.

✓ Ex post evaluation process (surveys and questionnaires: public survey, stakeholders, users, etc.).

✓ Communication actions.
Other issues & Questions