Innovation Center for Mobility and Societal Change

Vision, mission and projects
InnoZ is a hybrid institute with five shareholders from industry and science

InnoZ – Our shareholders

- **Founding** of InnoZ in 2006
- Five equal **shareholders** (one vote per shareholder)
- Approx. **70 employees**
- Headquarters in **Berlin**, branch offices in **Munich & London**
A protected and neutral space as ideal testing grounds for integrated solutions

InnoZ – Success factors for mobility innovations

User-centric integration and “lobbying”

Developing visions and ideas

InnoZ living lab: a space for ...

Conception and testing

Building and utilising collaborative networks
Our focus is on systemic, integrated mobility innovations and their acceptance by users

InnoZ – Synergies through network building

- Our aim is to develop innovations for tomorrow’s mobility
- User-centric integration and acceptance are at the forefront of our activities
- Systemic, integrated solutions are needed
  - intermodal transport
  - Integrated information and communication technology applications
  - Integration of new mobility and energy solutions
In-depth exploration of specialised topics

InnoZ – Our areas of expertise

**Mobility in transition**
Analysis of mobility trends, environment and market forecasts, future scenarios, mobility patterns of special target groups

**Green mobility**
Intermodal green mobility concepts, eMobility, user acceptance research, user surveys, analysis of focus groups and mobility types

**Media-based mobility**
“Vireal” mobility, intermodal mobility apps (B2C), intermodal service mobility platforms (B2B), usability tests

**Sustainable infrastructure**
Railway stations as mobility hubs, Micro Smart Grids integrating electric vehicles, infrastructure financing

**Mobility in rural areas**
Intermodal mobility concepts in rural areas, legal and organisational innovation, developing demonstration and pilot projects
BeMobility is prototyping solutions for the future mobility market

Project results:

- Multimodal Vision
  - flexible,
  - easy to use and
  - affordable
- Free parking and charging
- Multi modal app
- Mobility Card
  - Metro / Underground
  - e-Carsharing-Station
  - Bike Station
- Innovative vehicles
- Micro-Smart-Grid

Kostenfreies Parken und Laden bei Contipark und an öffentlichen E-Säulen
InnoZ produces over a third of the locally used energy for charging e-cars, offices and the Gasometer.

Energy production and consumption

Photovoltaics (53.5 kW / 88.4%)
- 38,784 kWh/a
- 79.8%

Windmills (5 kW / 8.3%)
- 227 kWh/a
- 0.5%

Combined heat and power plant (2 kW / 3.3%)
- 9,590 kWh/a
- 19.7%

Charging infrastructure
- 15,501 kWh
- 11.5%

Offices / Show room
- 55,511 kWh
- 41.1%

Gasometer/TV-Studio
- 63,081 kWh
- 46.8%

Data from 1.4.2012 to 31.3.2013
The usage of big storage batteries for buffering helps to rise the usage of local produced energy.

Projection for the effect of battery use for one year:

- 76.1% of local energy production could be used without buffering – within one year that would amount up to 36,985 kWh self consumption.

- 96.2% of local energy production could be used with buffering – within one year that would amount up to 46,757 kWh self consumption.

9,772 kWh less energy could be taken from the city grid, usage of local produced energy could be raised by 20%.
In future we are going to test vehicle to grid solutions to lower our dependence on external energy

Vehicle to grid at EUREF-Campus
Our vision: Designing a sustainable district of the future

Development plan for the Schöneberg „lense“
The Intelligent City: Creating solutions for the city of the future

InnoZ – Our Intelligent City programme

The Intelligent City programme...

- offers longer-term cooperation between business and science (collaborative).
- promotes the regular exchange between government, industry associations etc. (platform-based).
- carries out R&D, testing and implementation, e.g. in funding programmes (project-based).
- focuses implementation activities on Berlin, with transfer effect to (inter)national arenas.

- Intelligent City – partners
The Intelligent City:
Creating solutions for the city of the future

InnoZ – Our electroMobility Platform

The electroMobility Platform is ...

- real-world laboratory and testing grounds.
- prototype for integrating mobility, energy and infrastructure in the city, featuring
  - eMobility in sharing systems,
  - energy generation, Micro Smart Grid visualisation and control centre,
  - charging infrastructure and mobility apps.
- knowledge transfer centre and forum to foster exchanges with users as well as between experts.
- a place for experimentation and discussion, with the overarching aim of working together to shape the future.
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