History

- Fiat Panda Elektra, 1989
- VW Golf Electric Car, 1992
- Development Tandem E-Drive, 1995
- Project EUROPED, 1994
- BMW E1G, 1996
- Project E-Taxi Mercedes C-Klasse, 1996
- HICEPS, 2007
- HY SUV, 2007
- 6. Framework EU-Project, 2005
- Li-ION Battery System (LIBS), 2004
- 5. Framework EU-Project, 2005
- Li-ION Battery System 2. Gen, 2007
- Mini EV, 2008
- Mla EV, 2008
- Ford Focus E, 2008
- SOP Heavy Duty Battery Pack, 2009
- Energy Battery Serial Production, 2010
- Serial Development EV in Europe, 2010

MAGNA E-Car Systems

Electric- and Hybridvehicle activities at MAGNA
Elektromobilität in Städten und Regionen 16. und 17. März 2010

**Battery packs - Matrix of applications**

- **EV** - Electric Vehicle
- **PHEV** - Plug In Hybrid Vehicle
- **HEV** - Hybrid Electric Vehicle
- **FULL HEV**
- **MILD HEV**
- **TRUCK/BUS HEV**
- **MILD**
- **PHEV**
- **EV**
- **PHEV**
- **FULL HEV**
- **ENERGY BATTERY PACKS**
- **HEAVY DUTY POWER BATTERY PACKS**
- **POWER BATTERY PACKS**

**Customer Program - Electrifikation FORD Focus**

**FORD FOCUS BEV**
- Contract signed June 2009
- Start of sales 2012
- Hatchback vehicle off the new Focus world car platform designed in Europe
- Magna to design, develop, validate and supply the following EV-components and provide EV-system integration, including battery pack:
  - Electric motor
  - Motor controller
  - Gear box
  - Powertrain cradle
  - Battery charger
  - Powertrain control module

2nd European BEV - Project startet 2009

Contract signed June 2009
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Hatchback vehicle off the new Focus world car platform designed in Europe
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Ford Focus BEV for 2009 Frankfurt Motor Show
Ford Focus BEV for Jay Leno Show
Mobility has started with electrical power....

and will finally end with electrical power!

MILA EV concept

Thank you for your attention!