

Electromobility+ Information Event

Brokerage Session

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GREEN POWER TECHNOLOGIES

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- Phone: 954181521/ Fax: 955776734
- Size: SME (Medium enterprise)

- **Description of the Organization:** Engineering Company of technological base, with Research, Development & innovation capability.
- **Activity:** Green Power provides innovative technical solutions for electronics and electrical applications that take into account energy transmission. GPTech`s activity involves the Environmental, Aeronautic and Military sectors, being a reference in efficient power conversion applications and advanced digital control systems.

Electromobility+

R+D+i Activity



- Electrical solutions, and advanced control systems
- Power electronics
- Renewable energies
- Energy efficiency
- Energy saving
- Innovative products completely developed with own resources
- Own innovative developments
- Engineering service and products for the wind-generated and PV electricity sectors as well as new energy generation based on fuel cells.
- Energy solutions for the most ambitious projects

Electromobility key dimensions

- 3. Technical dimensions of the recharging systems
- 5. Technology based Innovation

Relevant Projects and Products

- Project: Process Oriented Electrical Control Units for Electrical Vehicles Developed on a Multi-system Real-time Embedded Platform, “POLLUX”
 - **Project outlines:** Research in common architectural approaches for future electrical vehicles.
 - **Programme:** European Financing: Cooperation, Artemis Programme
- Project: Ecological Technologies for urban transport application, “ECOTRANS”
 - **Project outlines:** Technology development to ensure energy efficiency in urban transport.
 - **Programme:** National Funding: CENIT programme. CDTI organization.
- Project: Advanced electric & electronic systems for avionics application, “AEROCON”
 - **Project outlines:** New conversion system integrated in energy management for efficiency goal.
 - **Programme:** Regional financing: IDEA, CTA & MEC organizations.

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Project Proposal Ideas

1. Conversion for regenerative braking in train traction systems, by means of:

- Supercapacitors on board
- Grid injection in substations
- Recharging systems for EV connected to catenary electric infrastructure, exploiting electric services surplus.

GPTEch. expertise: Power Converters Design, Battery Management, Grid Injection

2. Dynamic Recharging System for EV in movement through:

- Inductive Energy Transfer
- Wireless Technologies

GPTEch. expertise: Recharging systems for EV, Power conversion, ICT

TOPIC AIMED: Strategic research on technical dimensions of the recharging, storage and distribution systems

Partners Search

Conversion for regenerative braking in train traction systems:

- Electric Traction System, Designers and Manufacturers of Electric Traction
- Electronic Operator
- Automotive companies

Dynamic Recharging System for EV in movement through:

- Inductive Energy Transfer companies
- Wireless Technologies partners

GREEN POWER TECHNOLOGIES S.L.
REGION OF ANDALUSIA. SPAIN
Beneficiary Body: IDEA Agency