Wireless Electric Vehicle Charging
Qualcomm Pedigree

- 26 Years of Wireless Innovation
- $15 Billion Fiscal 2011 Revenues
- $2.9 Billion R&D Spend
- ~20,000 Employees
- Automotive Legacy
- History of Wireless Power

*As of 9/25/2011
Unique Combination of Features

- Proven devices
  - Capable of delivering 3kW, 7kW, and >18kW
- High transmission efficiencies
- High lateral misalignment tolerances
- Tolerant to wide variations in vertical gap
- Unique transfer-pad design enables Charge-on-the-Move
- Commercial Systems have been in operation for multiple years
Ongoing Car Trials

2 Cars are in use in UK, both in the CABLED electric vehicle demonstration project.
Recent Projects

Geneva 2011
HaloIPT designed and supplied the wireless charging system for the prototype Rolls Royce Phantom 102EX.

This delivered system functions at 3kW single phase and 7kW 3 phase. Typical efficiency is 92%
Current Development: Lola-Drayson B12/69EV

The main aim is to prove that an electric powered car can lap as fast, if not faster than a conventionally powered car and to show how exciting an 850 horsepower, 200 mph++ electric car is on track.

20kW High Efficiency, Low-weight Wireless Charging
London Trial 2012

- Pre-Commercial Test Point
- Technical Data
- User & Consumer Feedback
- Showcase - Testing & Demonstration Environment