The Future of Road Transportation is Electric & Wireless
The future of road transportation is electric and wireless

Overcoming barriers to Electric Vehicle (EV) adoption
- Lack of public charging infrastructure
- High EV cost
- Range Limitations
- Ease of use

Qualcomm Halo™ Wireless EV Charging (WEVC) is one technology that can help overcome these barriers
- Charge more often
- Smaller EV batteries
- No plugs or cables
- No charge posts

Magnetic Interoperability
Different secondary vehicle pads must be supported with a standardized primary base pad
Qualcomm Halo™ multi-coil technology delivers magnetic interoperability across single coil, solenoid & multi-coil vehicle pads.

Flexible Charging Solution
Different EV ride-heights and pad installation methods, impact WEVC efficiency. Qualcomm Halo™ multi-coil system delivers high power, high efficiency across a variety of pad-to-pad air gaps.

Qualcomm Halo™ multi-coil technology delivers magnetic interoperability for charging EVs wirelessly

Driving magnetic interoperability through standards
- Controlled magnetic flux to help meet regulatory compliance criteria
- Support wireless charging for high ground clearance vehicles
- Support high power charging
  - 3.3 kW – 20 kW
  - Magnetic flux pipe increases flux throw height
  - Multi-coil design can lead to smaller secondary vehicle pad
  - Support magnetic interoperability between vehicle and base pads from different manufacturers
Our Heritage

Qualcomm has multiple years of experience in wireless charging and with our partner the University of Auckland contributing to the comprehensive technology offering.

Automotive experience: sustainable & smart transportation solutions

- Engaged with major standards & regulatory bodies
- Long history in wireless power research
- Enabling the connected car and related services

Our Vision

Smart cities with ubiquitous public WEVC infrastructure, reduced air pollution, faster & safer journeys.
FIA Formula E is changing the perception of EVs in the automotive industry. Qualcomm is the official founding technology partner to the Formula E championship.