Wireless Charging:
Related Standards & Needs

IEVC 2014

Jeff D. Muhs

Director, Business Development

Automotive, Industrial, Medical and Military Systems

Summary of WiTricity

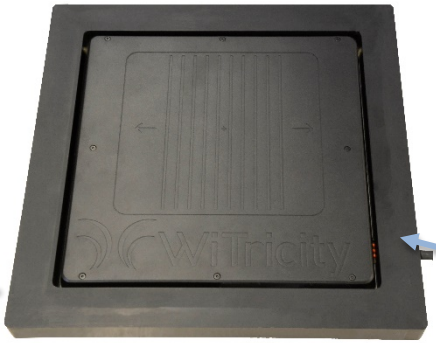
- Founded in 2007 to commercialize MIT highly resonant wireless power transfer technology
- 60+ employees in two locations
- Foundational IP (300+ patents), core expertise, reference designs, and simulation tools
- Clients in consumer electronics, automotive, medical, military, and other industries
- Licensed automotive partners include Toyota, IHI, TDK, Delphi and others (not yet announced)
- Anticipated 1st product entry based on licensed technology in 2016 - 2017

Standards-ready reference design

Amplifier / PFC:
- 6.6 kW
- Freq. Tuning

Device Resonator:
- 3.3kW & 6.6kW
- B Type (Circular)
- Multiple Z heights (Z1, Z2, Z3)
- Integrated Hardware (Z2, Z3)

Rectifier partially integrated into device



Source Resonator:
- 3.3kW & 6.6kW
- B Type
- Updated FOD
- Multiple Z heights

WiTricity

Thoughts on Standards

- WiTricity fully supports OEM-led movement toward worldwide standard
  - interoperability is imperative
  - must avoid mistakes of the past
  - data supports recent decisions
- Managing risk is key

Managing Risk

- Technical
- Temporal
- Regulatory
- Programmatic
- Safety
- Societal
- Intellectual Property

Thank you.