

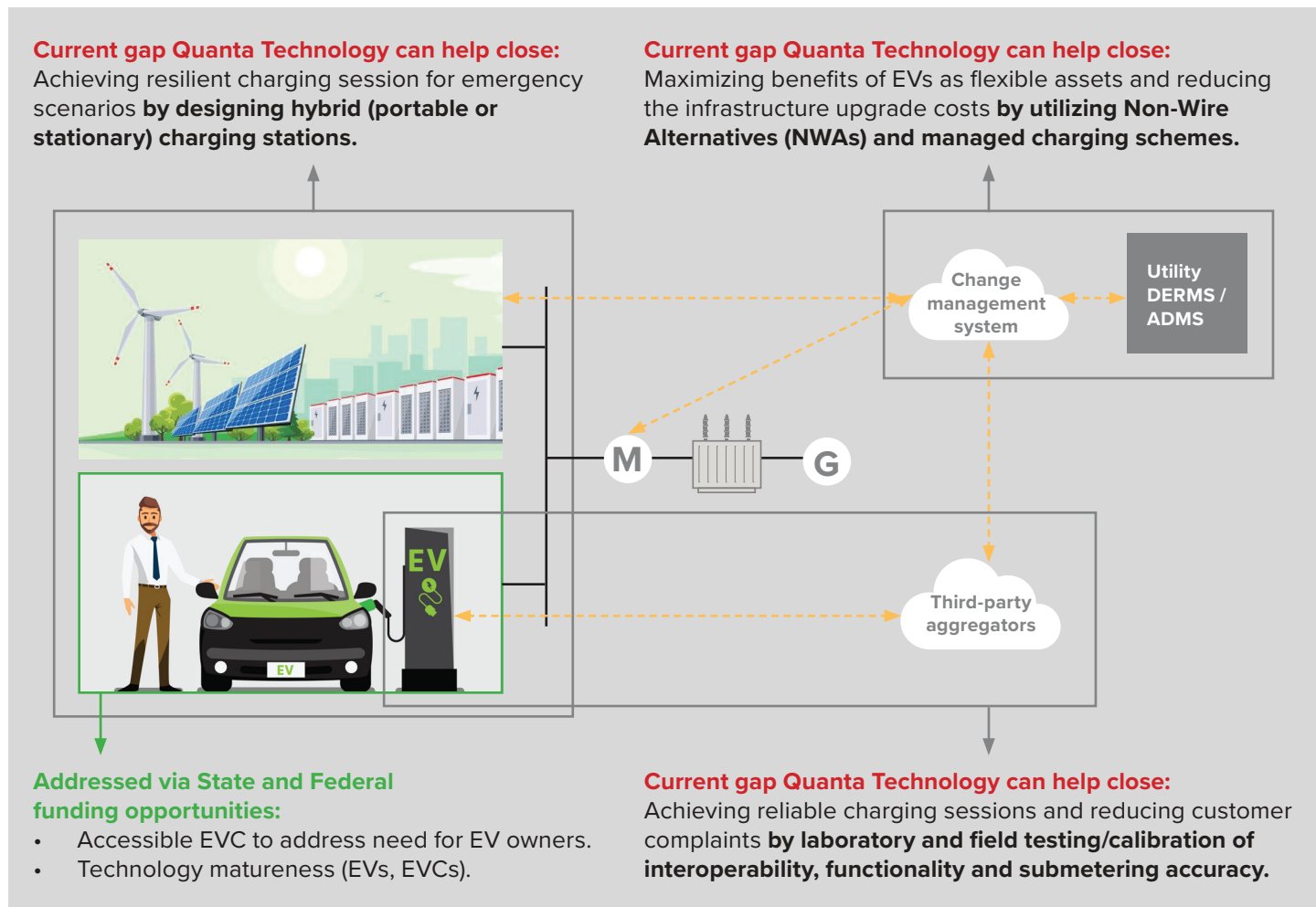


ADVANCED TECHNOLOGY INTEGRATION

Transportation Electrification Technology

Design. Testing. Integration.

Customized solutions and services supporting utilities, facility owners, installers, and electric-vehicle and electric-vehicle charger manufacturers that address the current gaps and barriers preventing net-zero transportation targets.



Quanta Technology aims to resolve the most common problems associated with achieving a resilient and reliable charging experience, including but not limited to:

- **How to best design** resilient high-power hybrid commercial EV charging stations for emergencies.
- **How to reduce the costs** associated with infrastructure upgrades needed for commercial charging stations by utilizing non-wire alternatives and managed charging schemes.
- **How to best manage customer expectations and complaints** due to inaccurate billing of EV owners at commercial EV charging stations.
- **How to reduce the instances of charger failure** to initiate the charging session in the field or chargers' failure to successfully go through the charging process and complete the charging session in the field.

CONTACT US:

919-334-3000

quanta-technology.com

info@quanta-technology.com

[LinkedIn.com/company/quanta-technology](https://www.linkedin.com/company/quanta-technology)



PICTURED: Outdoor lab setup for functionality testing dc fast and ultra-fast charging stations (up to 350 kW)

Transportation Electrification Technology Design, Testing, and Integration Services

Quanta Technology offers a wide range of design, testing and integration services in the area of transportation electrification to help utilities, facility owners, EVSE installers, and EV/EVCS manufacturers test and integrate EV chargers and perform cutting-edge pilot projects for proof of concept, including:

EV Infrastructure Integration

- EV charging station aggregator integration between developers and into utility DMS or DERMS
- Manage charging platform for grid support functionality of EV charger (curtailment / demand response).

Supporting EV Infrastructure Integration

- Hybrid charging (charger plus battery to manage peak demand) (portable and stationary)
- V2G (interconnection – protection for power exchange, control and monitoring)
- Design of mobility and service center of the future.

EV Charger Testing and Calibration

- Submetering accuracy testing/calibration of chargers (dc, ac, medium- and high-power)
- Charging station functional testing for ac and dc chargers up to 350 kW (IEC 61851, SAE J1772, etc.)
- Interoperability and conformance testing (CharIN-CCS, OCPP, IEEE P2030.1.1, ISO 15118, etc.)
- Offering customized electric-vehicle simulators (dc, ac, medium- and high-power).



PICTURED: DC EV submetering lab testing using DC EVMT (laboratory version)

Quanta Technology, LLC.
4020 Westchase Blvd.
Raleigh, North Carolina 27607

©04/2022, Quanta Technology, LLC.

Quanta Technology, LLC has used reasonable efforts to ensure the accuracy and completeness of the technical data presented in this document. Quanta Technology, LLC makes no warranty or representation for its contents, including technical and/or business considerations, risk, impacts, intended or unintended consequences, or outcomes that may determine the value or use of this document. Specific technical data can be provided upon request. Quanta Technology, LLC reserves the right to modify the technology and data contained herein at any time.

Document number: QT-FL-08-X-04-22

CONTACT US:

919-334-3000

quanta-technology.com

info@quanta-technology.com

[LinkedIn.com/company/quanta-technology](https://www.linkedin.com/company/quanta-technology)