



Power Generation & Utility Services

JMT is focused on innovative and practical solutions to meet challenges posed by the changing energy landscape and increase in energy demands.

JMT has extensive experience assisting our clients with power generation, electric transmission/distribution, and utility projects through design and support services. We offer utility engineering, survey & subsurface utility engineering, electric vehicle charging stations and canopies, light and medium substation and transmission design, as well as integrated renewable energy microgrid system design.

Utility Engineering

JMT offers design and engineering options Arc Flash, electrical equipment engineering, energy audits, power usage optimization, solar and EV systems.

Survey & SUE

JMT provides route surveys, topographic surveys, and design map production. We use Trimble TSC3, TDS Ranger, Carlson, and Allegro data collectors as well as VRS network GPS.

EV Charging Stations

JMT designs EV charging stations using electrical and civil expertise, optimizing for fleet load, grid capacity, and site conditions. We have developed microgrid battery systems for EV bus charging.

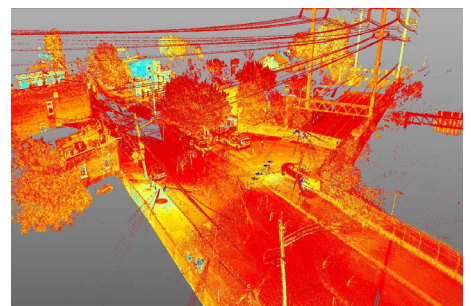
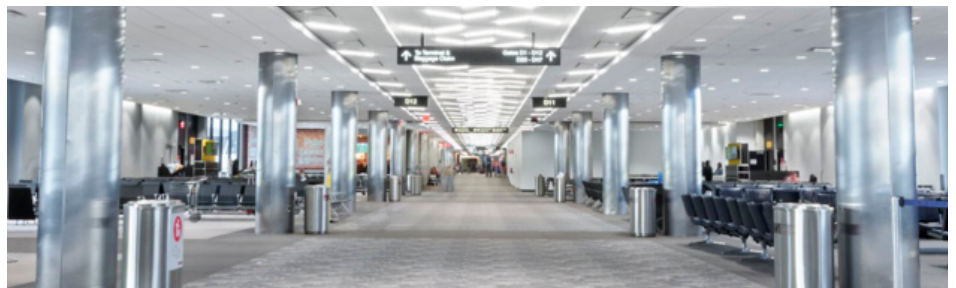
Substation & Transmission Design

Our design experience includes configuration of substation components, full construction monitoring, and support services such as NEPA compliance.

Environmental Services

JMT supports its work in the energy space with traditional and specialty environmental services. We support NEPA, EIS, wetlands, cultural, permitting, storm water, E&S, endangered species and other sensitive items.

- EV infrastructure
- Light/medium voltage substation transmission
- UAS support services
- Electrical engineering
- Utility engineering & coordination
- Subsurface utility engineering
- Environmental services
- Microgrid design
- Power system financing & economics
- Power efficiency & building performance
- Photovoltaic systems & battery storage





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JMT supplied design support services along with mechanical and electrical engineering for this new, free-standing photovoltaic canopy system with EVCS charging and an integrated microgrid battery storage system.



JMT provided environmental engineering, permitting, and design services to industrialize the Goose Creek, SC land cable factory to a submarine cable factory. Project management and support services prepared the necessary marine terminal facilities. This is the only high-voltage subsea cable plant in the U.S.



JMT supports services for design, construction, and commissioning of greenfield and brownfield substation, distribution, and transmission projects. We have extensive experience in coordinating efforts inherent in a large electric utility, such as engineering, procurement, budgeting, land management, and compliance.



JMT offers building/facility design, process engineering, facility life cycle management, budgeting support, risk management, as well as electrical and mechanical design services for substations and facilities. We serve government agencies, industrial buildings, and public/private utilities.