



Hydroelectric Support Services



Visit us on jmt.com

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, environmental compliance, underwater inspection services, light and medium substation and transmission design, as well as integrated renewable energy microgrid system design.

Environmental Compliance

At JMT, environmental services are at the core of responsible infrastructure development. We help public and private organizations navigate complex environmental regulations, protect natural and cultural resources, and deliver projects that are both compliant and sustainable. Our team brings deep technical expertise and a proactive approach to every phase of environmental planning, permitting, and compliance.

Building & Facilities

At JMT, we provide integrated architecture, engineering, and construction (AEC) services that bring buildings and facilities to life with purpose, precision, and performance. Our multidisciplinary teams support a wide range of facility types including industrial, process, material & fluid facilities—delivering environments that are functional, resilient, and future-ready.

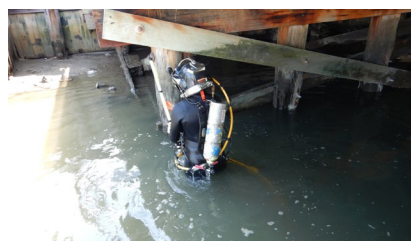
Utilities

At JMT, utility services are a critical part of delivering safe, efficient, and resilient infrastructure. Our team provides comprehensive utility engineering, coordination, and mapping services that support every phase of project development—from planning and design through construction and closeout. Whether working on, energy systems, or facility upgrades, we ensure that utility impacts are identified early, managed effectively, and resolved with minimal disruption.

Mechanical, Electrical, Plumbing

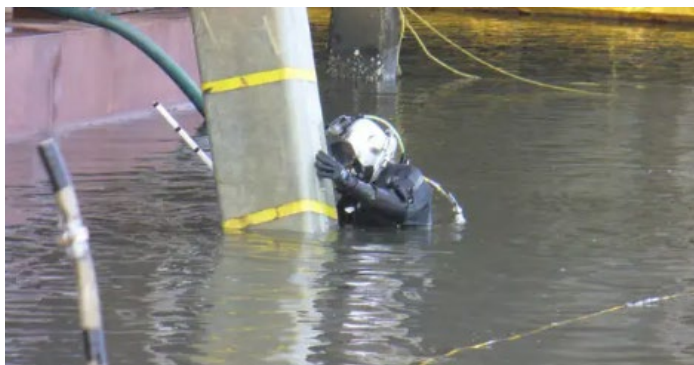
At JMT, we deliver integrated solutions for both new construction and complex retrofits, with specialized experience in central utility plants, science laboratories, data centers, and transportation facilities such as airports, rail terminals, and vehicle maintenance campuses. Whether you're upgrading aging infrastructure or planning a new facility, we bring the technical depth and project insight to ensure your systems are efficient, resilient, and future-ready. most essential services and infrastructure.

- Coatings Inspection & Testing
- Construction Inspection
- Electrical Systems
- Environmental Compliance
- Fluid Dynamics
- Geotechnical Investigation & Engineering
- Inspection and Condition Monitoring
- Levee Systems
- Mechanical Systems Engineering
- Piping Inspections
- Process Controls
- Structural Engineering
- Survey & Scanning
- Utility Engineering





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Underwater Inspection – Divers

Underwater Inspections That Power Integrity

JMT's dive team delivers expert underwater inspection services tailored to the unique demands of hydroelectric facilities.

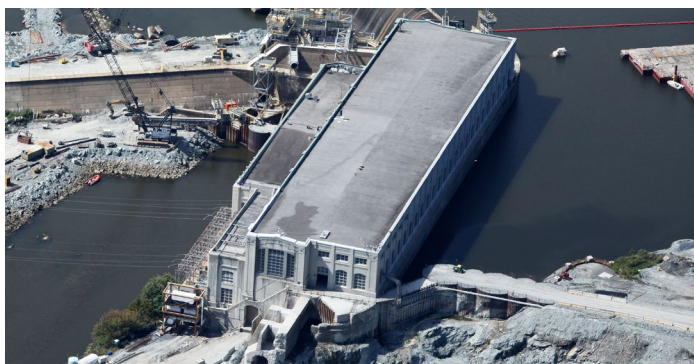
JMT provides seamless coordination between engineering, contractors, and clients including detailed documentation with photos and repair notes. All of this while upholding safe operating procedures in active waterways.



Environmental Compliance

Harnessing Hydropower: JMT's Key Role

JMT delivers integrated engineering and environmental services to advance hydropower development. From designing critical infrastructure like cofferdams and powerhouses to supporting FERC permitting and environmental compliance, JMT helps clients expand renewable energy capacity while protecting natural resources.



Holtwood Dam

Engineering Solutions for Sustainable Energy Growth

JMT provided multi-disciplinary engineering services associated with a major power plant expansion project. JMT was engaged to provide a range of support engineering services as the PPL Holtwood Power Plant underwent a \$434 million expansion. The scope included the design of 9 cofferdams and various other engineering tasks for the construction of a new powerhouse to add 125 MW of generating capacity, enhancements to the existing fish lifts to improve the passage for migratory fish, construction of a new skimmer wall bridge, and installation flashboards on the existing spillway.



MEP Solutions that Power Progress

JMT's Expertise in Mechanical Systems

The JMT team brings a diverse array of mechanical engineering capabilities across a wide range of facilities, systems, and industries. Specifically JMT offers enterprise with central thermal utility plant engineering, design, and commissioning. Our capabilities span several markets including energy, aviation, rail and transit, and industrial clients. Specifically we have experience with evaporative cooling and condenser water systems for facility and process cooling. This ranges from localized closed circuit coolers to large scale Central Utility Plan open cooling tower arrays. Our focus in delivering these systems is combining optimized performance for system operation balanced with client budget and schedule.