

CAPABILITY STATEMENT 2026

ABOUT US

Young Management & Consulting (YMC) is a professional service provider with over **20 years of experience**. With a team of **120+ employees**, we have managed **more than 300 projects**. YMC offers customizable services and solutions tailored to the needs of our clients and customers.

As a safety-focused management and consulting firm, we are committed to delivering exceptional client experiences across the electric, gas, renewables, infrastructure, and technology sectors.



info@workwithyoung.com

workwithyoung.com

[@workwithyoung](https://www.instagram.com/workwithyoung)

➔ Why Choose Us?

Our precise and disciplined approach offers best-in-class services for tailor-made solutions. As a dependable and agile firm, we deliver PMO, technology, and construction solutions that meet your business needs while fostering positive community impact through sustainable and responsible practices.

➔ Our Approach

YMC's engineering approach is uniquely distinguished by its use of 3D BIM (Building Information Modeling) for high voltage (HV) substations. YMC leverages this technology throughout the design and full project lifecycle of HV substations and large-scale projects, delivering substantial benefits - from planning and design to construction, operation, and maintenance.

OUR MISSION

With sound industry experiences, we provide expert services by delivering strategic insights, cutting-edge technology solutions, and operational excellence. Our mission is to fulfill the needs of our partners, modernize critical infrastructure, navigate regulatory and market complexities, and enhance global community.

OUR SERVICES

- ✓ Conceptual Design
- ✓ Technology Evaluation & Selection
- ✓ Project Feasibility Study & Detailed Project Report
- ✓ Tender Specification & Technical Bid Evaluation
- ✓ Vendor Drawing Review
- ✓ Statutory Clearance Assistance
- ✓ Pre-Bid Proposal Engineering
- ✓ Basic & Detailed Engineering Service (Electrical, Civil, Mechanical for substations)
- ✓ Reverse Engineering Utilizing 3D LiDAR Scans
- ✓ Technology Project Procurement Assistance
- ✓ Project Management and Coordination
- ✓ Field Engineering Services
- ✓ Inspection and Expediting
- ✓ Support for Pre and Post Commissioning
- ✓ Technical Support for Performance Guarantee Testing
- ✓ Project Document Review & Project Progress Review
- ✓ Project O&M Review
- ✓ Due Diligence Services
- ✓ Special Studies Such As Efficiency Improvement & Reduction of Greenhouse Gas Emission
- ✓ Power Sector Reforms and Other Associated
- ✓ Studies for Industrial Plant & Power Plants (Thermal, Hydro, Renewable)
- ✓ O & M Advisory Services
- ✓ Utility Locating
- ✓ Substation Construction Services
- ✓ Engineering Design

YMC offers diversified services from conception to commissioning of transmission and distribution networks, AC (GIS & AIS) and HVDC substations, and grid-level Battery Energy Storage Systems (BESS). We also specialize in renewable energy projects, such as solar IPP and wind IPP, and provide substation engineering for both commercial and industrial (C & I) applications across the U.S. and international markets.

We operate under roles such as:

01 EPC Contractor's Engineer

02 Owner's Engineer

03 Lender's Engineer

04 Special Engineering Services

GRID CODE COMPLIANCE STUDIES

- Load Flow Analysis (IEEE 399 & Local Engineering Standards)
- Short-Circuit Analysis (as per ANSI/IEEE 551 & IEC60909)
- Protective Device Coordination Studies (as per IEEE242)
- Arc Flash Analysis & Mitigation Solutions (as per IEEE 1584 & NFPA 70E)
- Motor Starting Studies (Static) (as per IEEE 399 & Local engineering standards)
- PF Improvement & Harmonic Analysis & Mitigation studies (as per IEEE 519)
- Switching & Lightning Surge Analysis (as per IEEE 1627-2019)
- Insulation Coordination Study (as per IEEE Standard 1313.2-1999, IEC 71-2, IEC 71-4)
- Power Evacuation Study (as per IEEE std. 1020/C37.95)
- Grounding Studies and Design (as per IEEE80, IEEE81 and local engineering standards)
- Lightning Protection Study and Design (as per IEEE998 and local engineering standards)
- Illumination Calculations and Design (as per NESC IEEE C2, Utility and Local Engineering Standards)

ENHANCED SOLUTIONS

We provide comprehensive solutions to clients, enhancing efficiency, reducing costs, and promoting sustainability:

- **Electrical System Design:** From conceptual to detailed design for power generation, HV/MV substations, transmission, and distribution systems
- **4D & 5D Simulation Modeling:** 4D time scheduling simulations for comprehensive visual project timelines and 5D cost estimation simulations for accurate material take-offs and cost management
- **Smart Infrastructure Development:** Designing smart grids, intelligent transportation systems, and other infrastructure projects that integrate advanced technologies
- **Renewable Energy Integration:** Expertise in designing and integrating renewable energy sources, such as solar and wind, into existing electrical systems
- **Regulatory Compliance & Safety Standards:** Ensuring adherence to safety regulations, navigating legal frameworks, and avoiding penalties
- **Project Management:** Overseeing the full project lifecycle, tracking timelines, budgets, and resource allocation, while maintaining clear communication with teams and clients
- **Sustainability & Energy Efficiency:** Helping clients reduce energy consumption, lower operational costs, and achieve sustainability goals through energy-efficient solutions