



# PROGRAM MANAGEMENT

## PROGRAM & MAJOR PROJECTS MANAGEMENT

Whether you have a large complex project or a multitude of projects integrated into one program you need effective management in order to succeed. Power Grid Engineering is well equipped to make sure programs happen when they're supposed to - the way they're supposed to – and with outstanding schedule, scope and budget performance. Utilizing our staff's vast years of experience, and with the aid of the most up-to-date processes, PGE is able to manage any size project to successful completion on time and on budget. Not only do we provide project management, but we also provide testing & commissioning, power system studies, substation design engineering, relay settings, and protection & control services.

We maintain and operate extensive program management systems and processes, including intricate processes for project controls, subcontracting management, and invoicing. We schedule, track, and report on various elements of the program to gauge individual projects and overall program progress. With our world-class risk management control capabilities, we systematically manage program risk and increase certainty of success. Our clients are provided professional Program/Project Managers to support management at every phase, from engineering design to startup and commissioning. Benefits of our program management services include specific Service Level Agreements (SLAs) of defined scope, schedule and budget.

### PROJECT AND PROGRAM MANAGEMENT SERVICES

[www.powergridengineering.com/program-project-management-services](http://www.powergridengineering.com/program-project-management-services)

#### VALUE-ADDED CAPABILITIES

- Program Strategy
- Program/Project Control
- Portfolio Management
- Permitting Agency Liaison
- Contract Administration
- Construction Management

#### PROJECT IMPLEMENTATION

- Start-up Management
- Mechanical & Electrical Technicians
- Portfolio Management
- Instrumentation & Controls Technicians
- Safety & Environmental
- Quality Assurance & Control

#### OPERATIONS & MAINTENANCE (O&M)

- O&M Services Packages
- Technical Advisors
- Outage Services
- Commissioning & Test Services
- Electrical Technicians
- Technical Site Supervision

#### FINANCIAL ANALYSIS

- Start-up Budgeting
- O&M Budgeting
- Program/Project Controls
- Budget Oversight
- Manpower Requirements
- Ratio Analysis

#### TRAINING

- Operational Readiness
- Client, NERC & IEEE Standards
- Quality Assurance/Controls
- Technical Writing
- Portfolio Management
- Procedures & Policies



## PMIS PORTFOLIO HIGHLIGHTS

[www.powergridengineering.com/project-major-program-management-experience](http://www.powergridengineering.com/project-major-program-management-experience)

PGE's program management personnel roster includes certified, experienced project managers with proven track records of managing complex projects ranging from a few hundred thousand dollars to several million. Our PMO delivery approach is based on lean design principles to right-size program staffing. PGE's PMO platform effectively develops and implement execution plans for every critical phase of a major program.

The PMO platform advantages include a predictable value-to-service outcome, scalability based on business demand, fewer delivery risks via SLAs, and operational performance metrics tied to process excellence, documentation and outcomes.

To learn more  
about *PGE* services  
and solutions, visit  
[powergridengineering.com](http://powergridengineering.com)  
or call (321) 244-0170

<b>Multi-Year Substation Upgrade Program Florida</b>	Multi-year/multi-phase program for 500/230 kV single phase transformers, and 230/69 kV three phase Transformer additions. This program included engineering, installation and commissioning of associated Switches and Breakers. This Expansion program also required managing and administering environmental permitting and regulatory management.
<b>Smart Grid Battery Installation Program Florida</b>	This major turnkey program installed battery monitoring for a client's Smart Grid initiative in over 185 Substations.
<b>FERC Redundancy Program Florida</b>	Primary contractor for construction, testing and commissioning of FERC mandated redundancy project. Projects included 138 kV lines, Autotransformers, and conduit control cable installation, 230/138 kV Busses, along with Battery banks, load center and chargers.
<b>Florida Power &amp; Light (FPL) Oil Monitoring Program</b>	Power Grid managed the Engineering and Field Implementation of the Serveron Oil Monitoring program for Florida Power and Light. Power Grid implemented this design and construction on over 120 transformers on the FPL system resulting in advance warning of transformer failure. Power grid completed this program 2 months ahead of schedule.
<b>Florida Power &amp; Light (FPL) Smart Grid</b>	Power Grid manages the Engineering and Field Implementation of the ongoing Energy Smart Florida (ESF) or Smart Grid (SG) Program for FPL bringing upgrades to substation equipment such as Breaker Relay Protection and Control, Station Communication Processors (SCP), Relay Communication Processors (RCP) and more to achieve key benefits like Improved Electric Service Reliability. Power Quality, System and Equipment Monitoring. The ESF or SG program requires multiple cross-functional teams and sub-contractors effecting many substations across the state of Florida.
<b>Ameren MAP Program</b>	Power Grid manages the ongoing multi-year 150 substation upgrade program upgrading in-house system appliances such as Protection and Control relays, RTU and settings upgrades. The MAP program required multiple cross-functional teams and sub-contractors effecting many substations across the mid-west, including High-Security NERC/CIP locations. It is for the MAP program that Power Grid developed unique reporting tools to provide stakeholders with project status reports on a daily basis.

