

INVESTIGATIONS • ANALYSIS • SIMULATION • TESTING • VALIDATION • PROJECT ENGINEERING • COMMISSIONING • TRAINING

From Concept to Completion, Maximize ROI with EPC Services

Delivering Integrated Systems Solutions
Quickly and Economically ...Guaranteed!



COOPER Power Systems

Integrated Engineer, Procure and Construct (EPC) Services Can Deliver Big Benefits On Your Next Electric Improvement Project!

Imagine dealing with a single source to **Engineer** your project, including electrical system measurements, system analysis, design and specification, then coordinate the **Procurement** of the proper equipment from multiple factories and get it to the job site on time, and finally to oversee the **Construction** phase of the project. Only a few companies can offer such specialized services ... and only Cooper Power Systems will guarantee results!

The Proven Cooper Power Systems Approach

Cooper's EPC team of systems engineers will provide a complete, integrated solution to deliver your project on time, on budget and with the performance results we predict ... guaranteed! And you'll have the added advantage of a Cooper Power Systems professional as your single point of contact from early planning through start-up.

From the start, we work hard to understand your specific power systems needs. The earlier we get involved in your planning, the better we are able to respond. From investigating a single system problem to complete EPC services, we focus on providing appropriate, affordable and effective solutions that will help deliver the most from your power distribution system.

The experience and expertise of Cooper Power Systems project managers, systems engineers,

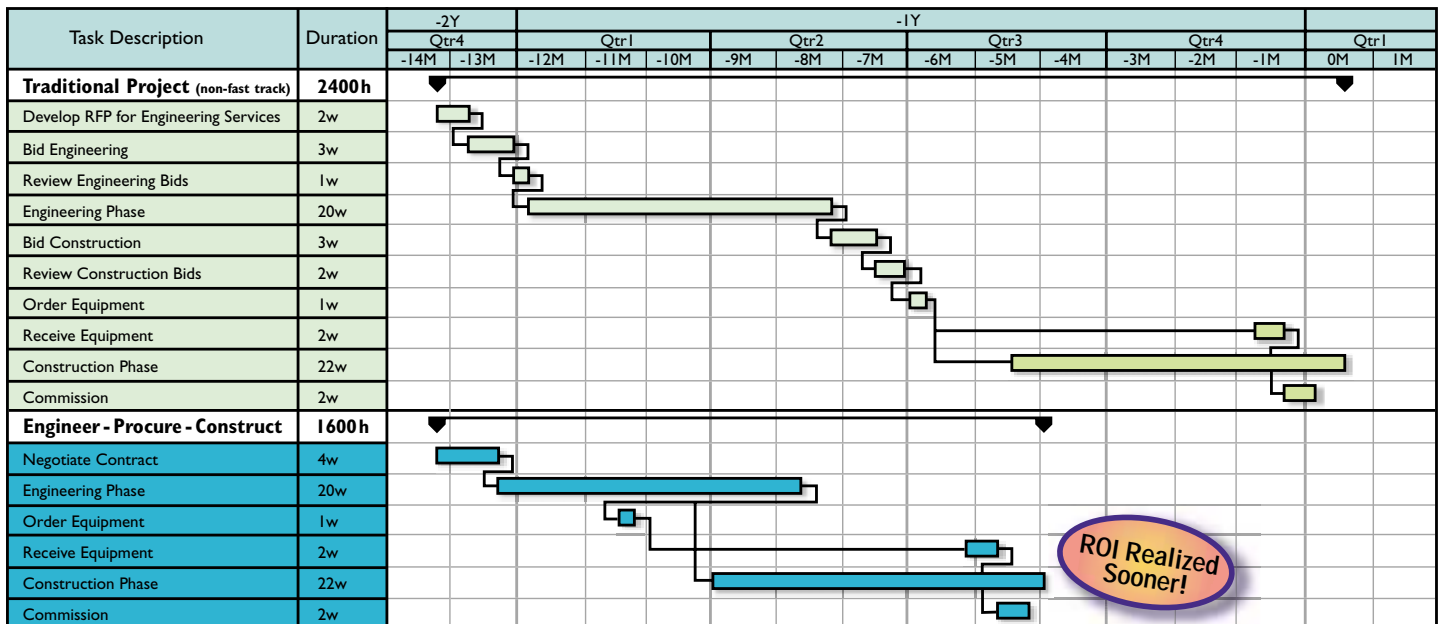
construction management personnel and field technicians, combined with specialized system analysis software, instrumentation and methodology, will provide you with the information you need to move ahead with your project swiftly and economically.

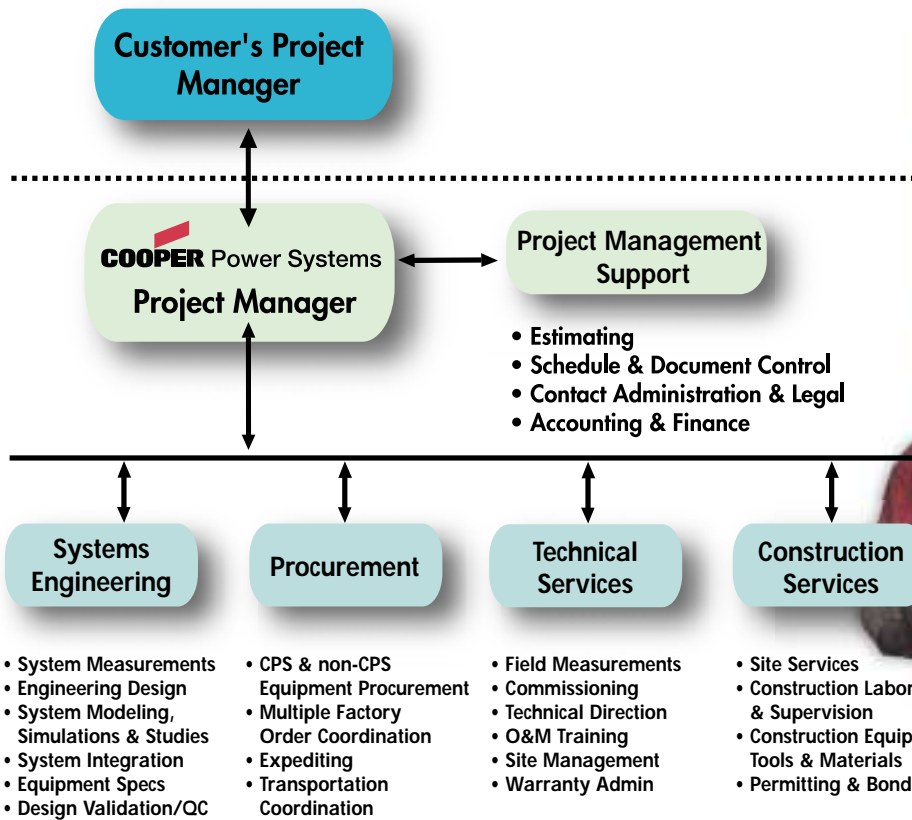
Our EPC project capabilities include:

- On-Site Electrical Measurements
- Field Verification
- Protection Studies
- Reliability Studies
- Power Quality Studies
- Feasibility Studies
- Conceptual Designs
- Engineering and Construction Design
- Equipment Application, Specification and Procurement
- Fabrication and Installation
- System Integration
- Start-up Commissioning
- Engineering and O&M Training
- Extended Services

Typical Cooper EPC Solutions

- Relay Control Houses and Power Equipment Centers
- Distribution, Pad-mounted and Transportable Substations
- Overhead and Underground Distribution Networks
- Substation and Distribution Automation Systems
- Distributed Generation Systems
- Capacitor Banks and Harmonic Filters
- Customized and Advanced Protection





Our Unmatched Resources

In addition to highly skilled personnel including power systems and automation integration engineers, Cooper Power Systems offers the widest, most technologically advanced line of power distribution products in the industry. We can provide virtually all of the equipment needed for your electric power improvement project. We control production, quality, delivery and installation to assure on-time and on-budget solutions that work!

And the resources of the Thomas A. Edison Technical Center, our world-renowned research and development facility, are available to provide answers to unique situations that may apply to your project.

Cooper EPC Services Mean Premium Performance Without a Premium Price

Customers considering using an EPC approach for projects often have concerns about this commanding a premium price. Typically, quite the opposite is true. EPC will prove more cost-effective because Cooper's Systems Integration Group assumes the risk, selects and installs the most reliable components quickly and starts generating return on investment weeks or even months ahead of traditional project implementation.

Turnkey Guarantee

Whether a new installation or an upgrade to an existing one, whether a project to improve system power quality, protection and/or reliability, or whether a project to automate and integrate your power system into your enterprise management system, Cooper Power Systems guarantees the EPC solution will perform as expected!

No other electrical products manufacturer can make that claim.

Exclusive Cooper Power Systems Products for EPC or Systems Upgrade

Detailed information on these and other Cooper Power Systems products and services is available on-line at www.cooperpower.com or from your nearest Cooper Power Systems Representative.

Full Service Capabilities

Investigations-

- *On-site Electrical Measurements*
 - Power Quality
 - Harmonics
 - Transients
 - Flicker
 - Power Flow
- *Root Cause Analysis*
- *Power System Consulting*
- *System Analysis*
 - Protective Device Coordination
 - Short-Circuit
 - Load Flow
 - Voltage Regulation
 - Capacitor Peak Shaving
 - Harmonic Filter Design
 - Reliability Improvement
 - Transient/Flicker
 - Distributed Generation Impact
- *Simulation, Testing & Validation*
 - Digital System Simulation Software
 - Real Time Power System Simulator
 - Overhead Test Line
 - High-Current Lab
 - High-Voltage Lab
 - Powered Environmental Chamber
 - Analytical Lab

Project Engineering-

- *Feasibility & Alternatives Analysis*
- *Conceptual & Detailed Design*
- *Specifications*
- *Estimating*
- *Commissioning*
- *Engineered Packages*
- *Engineer-Procure-Construct*

Training-

- *Engineering Workshops (CEUs awarded)*
 - Overcurrent Protection
 - Overvoltage Protection
 - Distribution Reliability
 - Distributed Generation
 - Capacitor Application
 - Regulator Application
 - Root Cause Analysis
 - Transformer Application
 - Power Engineering Basics
 - Fundamentals of Power Distribution
 - Automation & Communication
 - System Basics
- *Operation & Maintenance Schools*
 - Regulators
 - Transformers
 - Switchgear
 - Controls & Relays

You Can Count On Cooper Power Systems Down The Line.

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**COOPER** Power Systems

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