



Unleashing the Value of
Your Smart Grid Investment

SMART GRID TURNKEY SOLUTION

Complete Transformation Demands Complete Services

Smart Grid is here, and you're part of it. To make the most of this opportunity, utilities need an experienced partner with full capabilities to deliver truly end-to-end service. Apex has the skills, people, integrity, and experience, combined with a host of proprietary technology tools, to partner with your smart grid project team for rapid and economical achievement of your goals.



David O'Brien
Apex Board Member &
Smart Grid Advisor

In his capacity as CEO of Toronto Hydro, Mr. O'Brien headed the deployment of over half a million smart meters and Time of Use (TOU) billing implementation. Toronto Hydro-Electric Systems has been recognized as one of the fastest, most extensive meter deployments in North America.

Call Apex today to schedule a private conversation with Mr. O'Brien on "Practical Lessons from a Smart Grid / Smart Meter Visionary".

Team with a Proven Leader to Power Your Conversion

Apex has deep experience in large utility fieldwork projects and we are currently performing successfully on smart metering initiatives, supported by powerful proprietary tools such as our ProField™ workforce management system. Our utility partners benefit from the unique expertise of Apex Director, David O'Brien, who led one of the fastest, most extensive smart grid transformations in North America as CEO of Toronto Hydro.

Comprehensive Capabilities Deliver End-to-End Results

With Apex as your turnkey solutions partner, your new smart grid infrastructure takes shape in a structured, reliable, and affordable end-to-end process:

- ▶▶ **Smart Grid Design** – Based on your objectives for peak demand reduction, outage management detection, energy conservation, and other goals, we create a design plan that encompasses technology selection and all system integration requirements.
- ▶▶ **Implementation** – Apex negotiates the purchase of all approved hardware and software, including smart meters, AMI communications, Meter Data Management (MDM) systems, and any legacy system upgrades before carefully staging deployment according to timeline and procurement delivery dates.

►► Installation –

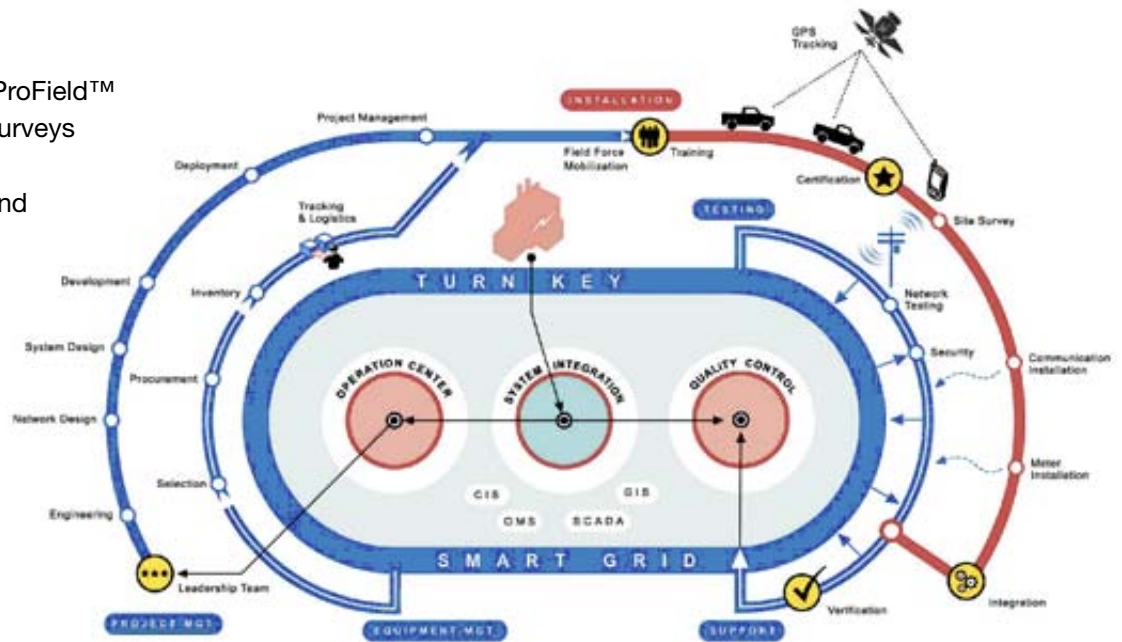
Using our proprietary ProField™ tool, we perform site surveys and then multi-deploy smart meters, MDM, and communications systems, performing constant QA and field data collection.

►► Systems Integration –

Apex integrators perform the staged integration of your new smart grid with MDM systems. From billing, OMS, and CIS to GIS, EMS, and SCADA, we ensure that all your systems support one another smoothly.

►► Verification & Maintenance –

When Apex says turnkey, we mean full-cycle service, which includes ensuring the sustainability of your smart grid build out, as well as rigorous testing of system security. Over time we continue maintenance and continually review for available upgrades.



Turn the Key on Benefits Across Your Enterprise

Comprehensive smart technology transformation empowers your operations across all departments. When you gain control over power wastage and theft, outage management, and usage data, your entire enterprise benefits. When your customers recognize the benefits of time-of-use billing and smarter power consumption, customer satisfaction soars. The first step to all these benefits and more is talking with an Apex expert.

About Apex CoVantage

Apex CoVantage is a private, employee-owned company that for more than 20 years has helped businesses to develop and execute strategies in the information and knowledge fields. Based in Herndon, Virginia, Apex was a pioneer in the market for off-shore knowledge-based solutions; we now have over 2,500 employees here and abroad. From the beginning, Apex specialized in developing and improving man-machine processes that optimally combined human creativity with machine processing efficiency, sometimes finding transformative solutions leading to quantum gains in efficiency—often well beyond what clients thought possible.



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For more information, please see our website at
www.apexcovantage.com