The Smart Utility® Plan

PLANNING TOMORROW’S UTILITY, TODAY
The Smart Utility® Plan

Developing a flexible, scalable, and robust communications infrastructure is essential to remain adaptable to the energy industry’s changing landscape.

WHY SHOULD YOU CARE?
Traditionally, utility networks have been pieced together over time and enhanced on an as-needed basis to fit many different needs. Oftentimes, this created a system of separate networks, duplicating infrastructure and, worse, duplicating investment. A Smart Utility® Plan aligns your operational and technology goals and provides a roadmap for designing and deploying a single, integrated network infrastructure that grows as your utility grows. When the plan is complete, your utility will have the business case to gain the key stakeholder support needed to promote continuous funding and investment, and the means to measure and track progress towards achieving smart utility status.

Black & Veatch offers the needed IT insight to assess, design, engineer and install a modern network infrastructure. We combine 100 years of utility infrastructure experience with utility communications and network expertise to deliver an integrated and dynamic network architecture that specifically meets a utility’s needs for the long term.

HOW DO WE SOLVE THE PROBLEM?
Our Smart Utility® planning process is customized to a specific utility’s strategy, and no two plans are the same. Aligned to your unique vision, each phase of Black & Veatch’s approach and solution is designed to address your current issues and future opportunities; providing synergy between your existing networks, current business, regulatory and marketplace conditions, and your vision of the future. Black & Veatch collaborates with our utility clients throughout the project, applying our proven experience and leadership, best practices and tools to effectively guide you through implementation and launch.

## THE SMART UTILITY® PLAN CHARTER

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<th>Vision</th>
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| Deliver a network assessment, design and implementation roadmap for a modern, open architecture to securely connect the grid. | Evaluate the existing network infrastructure and operating model to identify improvements, efficiencies, and cost saving opportunities and recommend a path towards a Smart Utility® network. | • Customers Experience  
• Operations Efficiency  
• Cost Reduction  
• Security & Compliance  
• Business Agility  
• Future Business Requirements  
• Network & Business Alignment  
• Disparate Network Integration  
• Aging Infrastructure |
THE PROCESS

Our team of professional project managers, IT network architects and communication engineers will work with your core team to develop a process grounded in industry best practice for strategic planning. It’s designed to consider all aspects of a utility’s network, including network management, capacity planning, optimization, data center communications, voice and data integration and security compliance in order to give utilities a comprehensive view of their needs and the network infrastructure needed to support it now and into the future.

A modern grid is dependent on integrated communications, and the Smart Utility® Plan offers a strategic and holistic approach to ensuring the connection of two-way communication technology that will transform the grid to a dynamic, interactive system.

TYPICAL PROJECT DELIVERABLES

- Current state assessment
- Future desired state profile
- Value or gap analysis
- Architectural blueprint design
- Multi-year technical & financial roadmap
- Executive-level presentation
The Smart Utility® Plan

BUILDING A WORLD OF DIFFERENCE®

Black & Veatch is an employee-owned, global leader in building critical human infrastructure in Power, Oil & Gas, Water, Telecommunications and Government Services. Since 1915, we have helped our clients improve the lives of people in over 100 countries through consulting, engineering, construction, operations and program management.