Black & Veatch Smart Analytics Solutions use integrated data management and analysis to deliver Smart Metering Technologies to water utilities. Automated Meter Reading (AMR) and Advanced Metering Infrastructure (AMI) enable utilities to read and record metered data via drive-by or fixed-network style systems. Powered by ASSET360™, our proven analytics platform, Black & Veatch Solutions leverage data to help utilities improve their meter-to-cash cycle, reduce meter-reading errors, and with AMI technology, capture a detailed usage history to inform and target water conservation and improve the level of service to the customer.

Smart Metering Technologies integrate water utility business systems to streamline data and convey comprehensive benefits.

Smart Metering Solutions
Black & Veatch professionals bring specialized strategic and tactical planning experience that combines AMR and AMI services along with the integration of metering, billing and customer services. Our experience covers the spectrum of metering solution requirements, from concept to completion. We know how to leverage smart metering systems, associated meter data management, and data analytics for added value items, such as water conservation enhancements, leakage reduction, active targeting of meter replacement programs and meter reading efficiencies.
The Benefits of B&V Solutions include:

- Strategic understanding of feasibility of AMI projects
- Expertise from feasibility, design and implementation programs
- Incorporates extensive knowledge from Gas and Electric sectors
- Programs driven by savings to the utility (cost-neutral or cost saving programs)
- Detailed demand modeling for Master Planning and future projections
- More accurate and cost-effective meter replacement programs
- Informed and effective monitoring of conservation programs

**AMI PROGRAM LIFECYCLE**

**Conception to Completion**

**SKILLFUL IMPLEMENTATION OF COMPLEX SYSTEMS**

There are many complexities and cost considerations associated with both AMR and AMI, and skillful specification and installation is critical to realize the full benefit of these technologies. Our extensive experience in metering technologies and analytics means we understand our client’s problems and confidently implement solutions that integrate all business systems across a utility to deliver comprehensive benefits. Our Solutions encompass:

**Feasibility Studies**

- Analysis of Costs and Benefits
- Review of Metering Replacement Programs
- Smart Metering Technology Analysis
- Typical Price Range is $45,000 to $300,000 with a schedule of 3-12 months

**Pilot Programs and Testing**

- Network and Backhaul Design and Testing
- Extrapolation of Cost-Benefit Analysis to Full System
- Data Management

**Vendor Selection and Negotiation Strategy**

- Assess how Chosen Vendor Impacts Project
- Development of Negotiation Strategies
- Oversight of AMI Vendor

**Implementation Services**

- Supervision of Vendors
- Project and program management
- Turnkey Implementation
- Customer Information System Integration

Our clients achieve greater water sustainability and function with fiscal soundness, asset health, energy and water efficiency and the flexibility to respond to system shocks and changing regulations. Visit [bv.com/SII](http://bv.com/SII) and follow us on Twitter @BVSII to learn more about ASSET360™ and our Smart Water Analytics Solutions.

**BUILDING A WORLD OF DIFFERENCE**

Black & Veatch is an employee-owned, global leader in building critical human infrastructure in Energy, 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. Our revenues in 2014 were US $3 billion. Follow us on [www.bv.com](http://www.bv.com) and in social media.

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