Communication Systems for Utilities, Railways and Oil & Gas

Integration of communication networks for voice, data, and protection signals

Integrated communications solutions
ABB is the recognized leader in power and automation technologies. We provide industrial and commercial customers, as well as electric, oil / gas and water utilities, railways and transportation companies with a broad range of products, services and solutions for operational, administrative and corporate application. In automation technologies, we are creating new services to optimize existing product lines and increase returns from supply chain. When our customers do well, we pride ourselves on being part of their success. Our people are driven by our customers’ needs, meeting the challenge of developing innovative technologies and creating market-specific products and services year after year.

Our strategy
The ABB business strategy can be put very simply: to create added value for customers by helping them to become more competitive.

Our business unit
ABB Utility Communications is part of the ABB Group and is active in over 140 countries worldwide. We inspire our customers with our comprehensive and pioneering solutions in communication as well as with our outstanding services.

Our customers
are utilities, main contractors and service companies worldwide. They appreciate that we support them competently and reliably in their success. These relationships are characterized by respect, confidence and continuity; they lead to long-term partnerships.

Our objectives
are innovative comprehensive solutions based on our knowledge of the processes and our customers’ needs. We are the preferred supplier in our market areas. With our solutions and environmentally friendly behaviour we contribute to saving resources. Sustainability determines our knowledge management and competence in information technology. We set the standards for system integration. Our sustained growth is supported by state-of-the-art technology with modular solutions. We continually improve all our business processes by taking specific measures.

Utility Communications
ABB has the know-how and access to all significant communications technologies to propose solutions that embrace the best technology and media relative to your present and future requirements, power system topology, existing communications equipment, and investment budget. Close cooperation with you throughout the life time of a system is fundamental to our service philosophy. Supporting you at the earliest opportunity - often from the initial planning and specification stage - gives you the confidence, right from the start, that our future-oriented technology is the right choice for you.

Linking the network together
Without an efficient communications network, modern utility services would be unthinkable. Operators communicate with each other to coordinate actions and exchange all kinds of operational information. The communications network conveys signals for the remote control of unmanned stations, transfers data and load values from sites across the system to central control centers, and transmits central control commands to the sites. And most crucially, the communications network carries many of the vital signals that have to be instantly exchanged in real time between different locations to ensure optimum control of the system. In short, communications networks help utilities to keep services flowing.

Specific solutions for utilities
Our complete range of products and services enables us to offer customized communications solutions to cover present and future needs of our customers. The global experience in implementing communication projects worldwide guarantees smooth integration of ABB systems with existing communication infrastructures whatever transmission medium and third-party products installed.

www.abb.com/utilitycommunications