



Mine Communications

Digital technology is shaping the 21st century and the way we do business, transforming 20th century mines to the next generation. With promises to radically improve safety, operational performance and sustainability, investing in communications and IT infrastructure is becoming fundamental to a mine's growth and evolution.

For over 50 years, Black & Veatch has planned, designed and built telecommunications infrastructure to support service providers as well as industries looking to improve operations through increased automation, monitoring and control capabilities. Today, we're applying this experience to mines. We guide you through each stage of planning, designing, building and operating your communications and IT system, ensuring a seamless implementation and alignment with your operational vision.

As critical infrastructure experts, Black & Veatch has exceptional insight into the efficient use of energy and water through instrumentation and control and the integration of distributed energy resources.

From the mine's control center to the field devices, Black & Veatch designs, installs and integrates the operational technology, such as SCADA and intelligent field devices and sensors, with the communication networks to deliver a system-wide solution. As critical infrastructure experts, Black & Veatch has exceptional insight into the efficient use of energy and water through instrumentation and control and the integration of Distributed Energy Resources. This, combined with the enterprise communication and mobile workforce solutions, offers our clients a complete, holistic perspective of their communications and IT network.

Services

- Telecommunications Master Planning
- Technology & Network Assessment
- Network Architecture
- RF Planning & Engineering
- Site Acquisition & Permitting
- Engineering & Design
- Materials Management
- Construction
- Installation
- Testing & Commissioning
- Systems Integration
- Operations & Maintenance

Technologies

- Control Center Design & Deployment
- SCADA Systems
- Instrumentation & Control / Automation
- Transport Networks
- Microwave
- Land Mobile Radio
- Fiber Optic Networks & Outside Plant (OSP)
- LTE
- WiMAX
- Data Centers