DISTRIBUTED ANTENNA SYSTEMS (DAS)

A COMPLETE TURNKEY DAS SOLUTION
Laying the groundwork is the foundation of any successful project, including DAS deployment. Black & Veatch has performed right-of-way and developed more than 30,000 miles of fiber optic networks including local and long-haul networks for regional and national carriers and utility private networks. And we’re known for our top ranked deployment services in the wireless arena. Together we can address the needs of carrier and neutral host DAS systems from conception to integration.

No other company can offer the depth and breadth of engineering, program management and technical expertise of Black & Veatch. We have designed and constructed critical infrastructure around the world for almost a century.

We support each stage of a project, giving you more control over cost, schedule and quality of deployment.

Black & Veatch can scale DAS solutions for you that increase coverage and add capacity to your HetNet system ultimately improving customer experience. We can deliver seamless connections and capacity for smart device and other customers in high use areas whether indoors or out.
Wireless Networks
Skilled in every service area related to the design, deployment, and upgrade of wireless networks, we are uniquely qualified to build or upgrade any DAS network on a targeted basis. We can design, install, equip, configure and bring power to multiple DAS nodes. We also can design and construct fiber and wireless backhaul transport links that provide high capacity connectivity between each of the DAS nodes and the radio transceivers or other head-end equipment at one or more hub sites.

- Network consolidation and expansion
- Greenfield network deployment
- Colocations
- Site and lease audits
- Site hardening/backup power services
- Backhaul

Installation Services
- Install equipment racks and DAS OEM head-end
- Install cables, remotes, and antennas
- Install sweep and PIM testing of RF cables
- Install, terminate, and test all types of fiber cabling
- System commissioning
- End-to-end system testing

Construction Services
- Head-end room HVAC installation
- Head-end room electrical and fiber-connectivity preparation
- Complete head-end design and installation

Black & Veatch DAS Expertise
- Current required certifications: Commscope, Corning Mobile Access, TE in-building equipment installation and commissioning
- iBwave Level 1 and 2 certification
- PIM and sweep test certified
- Antenna stealth design recommendations
- Long-standing carrier relationships
- Proven installation partnerships
- Certified fiber optic technician through fiber optic association

Engineering Design Services
- Site Survey
- iDAS and oDAS design
- RF Benchmarking
- Commissioning and testing
- CW testing
- Post-installation optimization
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 and in social media.

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