

# Case Study Snapshots



**PowerfulSignal**  
Stronger Signal Solutions



THE CLIENT:

**Bloodworks** provides a wide range of medical, transfusion and lab services that play an essential role in quality healthcare in the Northwest. One of a few blood centers in the US doing leading edge research on blood biology, transfusion, thrombosis and blood disorders.

THE SOLUTION:

- Improved cell and data coverage in 17,000 sq ft
- Patrons are now able to engage on-line while waiting
- Improved patient experience and increase in return visits



THE CLIENT:

**Cheney Brothers** has grown into one of the largest broad-line food & beverage service distributors across the Southeast. Their broad inventory of more than 15,000 supplies features the finest items, from gourmet to everyday.

THE SOLUTION:

- Provided cell and data coverage for 22,400 sq ft
- Covered operational areas in 345,000 sq ft dry warehouse
- Solved weak cellular signal for office areas



THE CLIENT:

**Columbia Pipeline Group (CPG)** owns and operates more than 15,000 miles of strategically located interstate pipeline, gathering and processing assets extending from New York to the Gulf of Mexico, integrated with one of the largest underground natural gas storage systems in North America.

THE SOLUTION:

- Covered 27,000 sq ft of office space
- Optimized user cellular connections for voice and data
- Supported higher use-load requirement



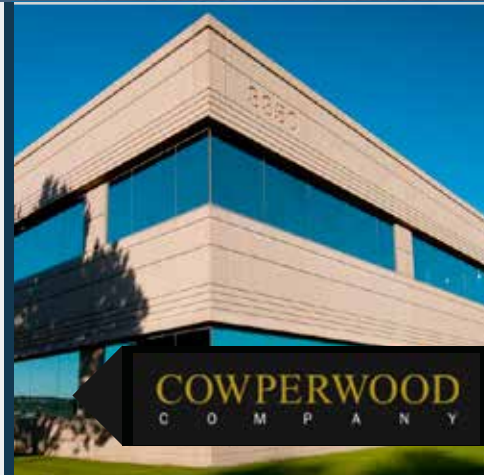
COMMERCIAL

THE CLIENT:

**Cowperwood Company** provides designing, constructing and managing commercial office projects. Development locations for private-sector and government facilities include Colorado, Florida, New Mexico, New York, South Carolina, Tennessee, Texas, Virginia and Washington.

THE SOLUTION:

- Provide cell signal coverage through out 85,000 sq ft facility
- Meets high user-load requirement across 5-Bands
- Meets tenant cellular signal requirements



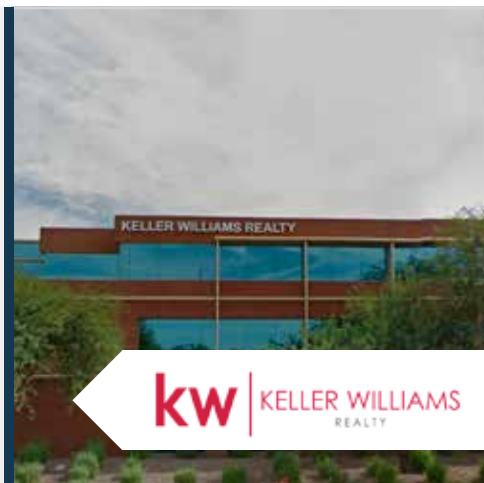
OFFICE

THE CLIENT:

**Keller Williams**, The Ehman Team Scottsdale AZ, is one of the top real estate agents in Arizona and is considered the real estate expert you can trust. This full-service experienced team has many satisfied clients.

THE SOLUTION:

- Replaced a non-functioning older system
- Improved cell and data coverage in 20,000 sq ft
- New 5-Band system includes all carriers



WAREHOUSE

THE CLIENT:

**Orica** is the world's largest provider of commercial explosives and innovative blasting systems to the mining, quarrying, oil and gas and construction markets, a leading supplier of sodium cyanide for gold extraction, and a specialist provider of ground support services in mining and tunnelling.

THE SOLUTION:

- Cell and data coverage in 82,300 sq ft
- Weak signal in remote area amplified to cover building
- Improved all 5-Bands for all carriers





THE CLIENT:

**Procon** offers fully integrated design build and construction management services for hospitality, multi-family residential, senior living, commercial/corporate, industrial, athletic, educational, student housing and healthcare projects throughout New England and the Northeast.

THE SOLUTION:

- Cellular booster system in 3,000 sq ft office space
- Improved signal coverage for all carriers
- Fast implementation with little disruption



THE CLIENT:

**Quiznos** corporate office is headquarters for a franchised fast-food restaurant which specializes in offering toasted submarine sandwiches. The little sub shop that began over 30 years ago in Denver, Colorado.

THE SOLUTION:

- Inserted cell and data signal for 26,053 sq ft
- Client occupied 1 floor of 6 story building
- Supplied 5-Band signal to desired location



THE CLIENT:

**REVOLT** is the #1 name in music. Focused on expertly curating the best of the best in music and engaging youth in social conversation, the multi-genre, multi-platform network offers breaking music news, videos, artist interviews, exclusive performances, and original programming.

THE SOLUTION:

- Boosted signal on 3rd floor of 28 story building
- Covered 21,200 sq ft of office space
- Provided 4G data and voice

RETAIL

THE CLIENT:

**Transwestern's** approach to commercial real estate will always be people-driven and client-focused. The way we see it, better is bigger. We are collaborative entrepreneurs raising the bar on what it means to provide a higher level of service.

THE SOLUTION:

- Improved cell signal coverage in 5,000 sq ft basement
- Provided high user-load for all carrier services
- Solved problem in localized location



OFFICE

THE CLIENT:

**Turkey Hill** makes a full line of frozen dairy treats. Today, people all over the country enjoy our products. And more than just ice cream and frozen yogurt; Iced Tea, Ice Cream Sandwiches, and Sundae Cones are all made in the Turkey Hill tradition of good eating. And following the family legacy.

THE SOLUTION:

- Amplified signal in office and training areas
- Provided cell and data coverage in 30,000 sq ft
- New 5-Band boosted signal for all carriers



OFFICE

THE CLIENT:

**WesternGeco** is the world's leading provider of technology for reservoir characterization, drilling, production, and processing to the oil and gas industry.

THE SOLUTION:

- Provided 5-Band cellular solutions for two locations
- **Location 1:** Three floors covering 145,000 sq ft
- **Location 2:** Two floors covering 96,000 sq ft







THE CLIENT:

**Yellowstone Capital** is an innovative company, comprised of an expert team with years of industry experience in providing business owners with an alternative source of financing.

THE SOLUTION:

- Cellular booster system in 15,330 sq ft office space
- Covered single floor of high-rise building
- Unable to gain roof top access, engineered window antenna

OFFICE



THE CLIENT:

**Brighton Ford**, a Denver based Ford automobile dealership, has one of the area's largest selection of Ford cars, trucks and SUV's and pre-owned vehicles.

THE SOLUTION:

- Amplified cell and data signal for 8,000 sq ft
- Negated Steel structure and High-E glass blocking signal
- Supplied 5-Band signal throughout show floor and offices

RETAIL



THE CLIENT:

**Mercedes Benz**, El Dorado California, takes pride in honest customer service and a transparent car buying environment. Part of the 11th largest family-owned business in the Sacramento area.

THE SOLUTION:

- Improved 4G data and voice
- Covered 36,000 sq ft of show floor and office space
- Boosted voice and data in facility

RETAIL

RETAIL

THE CLIENT:

**Pilot Flying J** is the largest purveyor of over-the-road diesel fuel in the United States. Pilot Flying J also is known as the largest Travel Center chain in the country with over 550 locations under the Pilot and Flying J brands.

THE SOLUTION:

- Improved cell signal coverage in multiple locations
- Locations range from 7,600 - 13,000 sq ft
- Improved employee safety and customer experience



UTILITY

THE CLIENT:

**Florida Power and Light**, the new Cape Canaveral Next Generation Clean Energy Center, located in Brevard County, Fla., near NASA's Kennedy Space Center, is part of our ongoing effort to replace older plants with newer, more fuel-efficient energy centers.

THE SOLUTION:

- Concrete and cinder block walls created a challenge
- Critical cell and data coverage in 15,000 sq ft provided
- Successful design and implementation



WAREHOUSE

THE CLIENT:

**Universal Turbine Parts, (UTP)** provides sales and exchanges on a wide variety of engine models and on serviceable turbine engine parts, providing the highest quality and full documentation to support installation.

THE SOLUTION:

- Provided 5-Band cellular solution throughout facility
- Warehouse covering 52,000 sq ft
- Unique challenge involved floor to ceiling racks





THE CLIENT:

**Canyon Vista Medical Center** serves residents in Sierra Vista, Ft. Huachuca, Cochise County – a population of more than 131,000 people. Comfortably nestled in the San Pedro River Valley, southeast of Tucson.

THE SOLUTION:

- Cellular booster system in 88,800 sq ft
- Coverage to multiple floors and basement areas
- Increased 4G data and voice signals



THE CLIENT:

**Dignity Health**, we believe an important part of that excellence is truly listening, ensuring patients understand their medical situation and enabling them to make informed decisions.

THE SOLUTION:

- Amplified cell and data signal for 34,800 sq ft
- Stronger signal for higher use loads
- Amplified 5-Band, 4G data and voice



THE CLIENT:

**Eastern Idaho Regional Medical Center** is the largest medical facility in the region. EIRMC is a modern, Joint Commission-accredited, 334-bed full-service hospital located in Idaho Falls.

THE SOLUTION:

- Improved 4G data and voice
- Covered 70,000 sq ft medical and office space
- Boosted voice and data on two floors



MEDICAL

THE CLIENT:

**Shannon Medical Center**, caring for West Texans for more than 80 years and are proud to be the largest locally-based health care provider for the Concho Valley and surrounding region.

THE SOLUTION:

- Improved cell coverage in two buildings
- **Building 1**- two floors: 312,000 sq ft
- **Building 2** - 6 floors: 283,00 sq ft



MANUFACTURING

THE CLIENT:

**Columbia Farms, Inc** is a privately held company in Monetta, SC . Categorized under Feed Supplements.

THE SOLUTION:

- Covered most areas of office and manufacturing
- Critical cell and data coverage in 105,000 sq ft
- Successful design and implementation



MANUFACTURING

THE CLIENT:

**Essex Weld Solutions** provides packaging designs, annual rack certification, on-sit modification, robotic weld, tube laser, and foam dunnage.

THE SOLUTION:

- Provided 5-Band cellular solution throughout facility
- Shop and warehouse covering 14,000 sq ft
- Unique challenge involving metal construction





THE CLIENT:

**Redguard** continues to set the bar in the design and creation of the most functional, durable, reliable and overall best blast-resistant buildings on the market.

THE SOLUTION:

- Cell signal boosters in blast-resistant buildings
- Metal container buildings blocked cell signal
- Signal solution meets various size options



THE CLIENT:

**The Art Hotel**, a luxury hotel where your stay will be the perfect blend of refined comfort and intimate service. With contemporary design, high tech amenities and works of art that grace two galleries.

THE SOLUTION:

- Amplified cell and data signal for 120,000 sq ft
- Covered 6 floors of hotel space and 3 floors of office space
- Supplied 5-Band signal throughout building



THE CLIENT:

**DoubleTree by Hilton** hotel is an award-winning property offering spacious accommodations and elegant decor.

THE SOLUTION:

- Improved 4G data and voice for guests
- Covered 76,700 sq ft on multiple floors
- Designed and installed within weeks



GOVERNMENT

THE CLIENT:

**St. Charles**, walk along the Fox River or bike through our parks, shop our quaint shopping districts or enjoy a variety of cuisine at many restaurants.

THE SOLUTION:

- Improved cell signal coverage throughout location
- Offices and warehouse covering 54,000 sq ft
- Unique, historic construction of interior concrete walls



GOVERNMENT

THE CLIENT:

**Louisiana Army National Guard**, the Readiness Center vertical facilities consist of multi-level administrative spaces, assembly areas, training bays and related ancillary spaces.

THE SOLUTION:

- Multiple buildings and floors
- Complete cell and data coverage in 60,000 sq ft
- Successful design and implementation



EDUCATIONAL

THE CLIENT:

**The University of Houston** is a state research university and the flagship institution of the University of Houston System. Founded in 1927, UH is the third-largest university in Texas .

THE SOLUTION:

- Provided 5-Band cellular solution throughout facility
- Student Center 65,860 sq ft
- Multiple buildings followed





**Seymore Middle School**

THE CLIENT:

**Seymour Middle School** is a public middle school in Seymour Connecticut with an attendance of nearly 600 students.

THE SOLUTION:

- Provided cell and data signal for 118,750 sq ft
- Interior cinder block walls inhibited signal
- Critical coverage installed with high user load

EDUCATIONAL



UNIVERSITY OF  
**LA VERNE**

THE CLIENT:

Since 1891, the **University of La Verne** has been dedicated to the belief that a quality, values-based education enriches the human condition by engendering service, scholarly accomplishment, and professionalism.

THE SOLUTION:

- Amplified cell and data signal for 142,000 total sq ft
- Covered multi-floor student service center
- Also covered bookstore and dorms

EDUCATIONAL



STATE  
**U**

THE CLIENT:

Since its founding in 1888, **Utah State University** has evolved from a small-town college tucked away in the Northern Utah mountains to a thriving research university respected around the world.

THE SOLUTION:

- Improved 4G data and voice for students and staff
- Provided coverage in 7,000 sq ft of office and administration
- Designed and installed in short time frame

EDUCATIONAL