



V A N D E R H A L L



IN-BUILDING CELL SIGNAL CASE STUDY

Vanderhall Motors, the creator of stylish and state-of-art autocycles, has brought excitement, speed, and most of all fun back into driving the American roads. Actively designing and manufacturing exciting vehicles, Vanderhall began constructing what will eventually be a 1 million sq ft manufacturing facility.

Hall Labs, is known as a modern-day Edison lab, is a gathering of forward thinking engineers and scientists dedicated to bringing about innovations and tackling some of the challenging problems of the world ranging from sustainability to personal transportation.

Companies like Vanderhall, spawned by Hall Labs have access to research and development, machine learning, patent support, chemists, engineers, and much, much more. The one thing there was no access to was... **"Reliable Cell Signal"**.

The solution?

A custom designed Passive DAS (distributed antenna system) to bring strong off-air signal inside and cover all areas with all major carriers.



Vanderhall Motor Works' new manufacturing facility needed better in-building cell signal coverage.

A Cellular DAS System

Passive DAS is a Quick and Inexpensive Solution

Powerful Signal Keeps Things Rolling

Providing Cellular Connectivity Site-wide

Powerful Signal was contacted and brought in to rectify the problem. A site survey of Hall Labs office building was conducted and it was determined, based on the size of the building, a professionally designed system was required utilizing commercial grade equipment. A ProWay designed cellular DAS (Distributed Antenna System) was quickly implemented using the latest available cellular amplification technology and the problem was solved.



Fixing Dropped Calls & Slow Data

Now fast-forward a year. The Vanderhall Motors building was being completed on the Hall Labs campus. The 150,000 square foot office, warehouse, and manufacturing facility was nearing completion, when Powerful Signal was again contacted to evaluate the cell signal within the new building. Inside the new tilt-up concrete building was a cellular dead-zone. During the final days of the building's construction, Powerful Signal designed and implemented a cellular DAS to cover the entire building. Now cellular connectivity abounds within the building.

Powerful Signal's expert customer service brings customers back again and again. We not only know what large companies need to solve cellular reception issues, but we know how to work with the largest corporations in the country. Whether a single building or a 200 building roll-out, you can count on Powerful Signal's nationwide, turn-key solutions and expertise to provide the right cellular system for your building.

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