
Phase 3 Communications: Mobile Application for Distributed Antenna Systems (DAS) Data Collection

Phase 3 Communications (P3 Comm) are specialists in design and installation of Fiber Optic Networking. In our increasingly competitive and mobile driven business world, Distributed Antenna Systems (DAS) networks have seen accelerated deployment in San Francisco and the Bay Area by all major carriers: [AT&T](#), [Verizon](#), [T-Mobile](#).

In the race to get **DAS nodes** online, proper documentation must be collected at every step in the process, which can be especially challenging in the construction phase.

P3 Comm Challenges

Carrier Node Construction Requires quick and efficient construction, data collection, and documentation. P3 Comm used employee mobile devices and a server for storage of photos of node construction. Nicolas DeZubiria, the President of Phase 3 Communications, sought a solution for more efficiently collecting the data in the field, delivering information to the office team, and finally to the customer.



Rapid Developed Solutions

Rapid Systems Engineering (RSE) met with field personnel to gather insights on current processes while simultaneously working with office personnel to develop an agile system and process to meet the needs of Phase 3 Communications customer node construction requirements.

RSE developed and deployed a mobile iOS and web application into the field that was tested simultaneously by us and key P3 Comm personnel. The solution allowed for real-time data capture and upload of all test data and photos. An automated process was developed server side to collate the data and combine into formatted finished reports based on Carrier requirements.

This solution allowed P3 Comm to deliver Close-Out Documentation to carriers, allowing for critical information to get their assets online. It was also a key requirement that P3 Comm maintain the ability to be adaptive to the changing requirements of Carriers and node construction. Phase 3 Communications is on the forefront of network expansion for all carriers and future applications like 5G, cell site densification and [IoT applications](#), such as the [Revolution11 first place AT&T Hackathon mobile application](#).

Have Questions?