

DEWALT JOBSITE WiFi SYSTEM & PCL CONSTRUCTION



26

ACCESS
POINTS
USED



Photography provided by RSP Architects, Ltd.

“Our WiFi requirement for our construction sites is that it’s easy and it works. Under that would fall it being tough enough to work on the jobsite, tough enough to work in any weather condition, and easy to set up. We haven’t run into a condition where it doesn’t work.”

— **Tom Roszak**,
Virtual Construction Manager

230,000

 SQ FT

291

 HOTEL ROOMS &
CONVENTION CENTER

PROJECT IMPACT



OVER 60 DEVICES
CONNECTED



UNDER 1 DAY INSTALLATION
BY FIELD STAFF



NO IT SUPPORT
REQUIRED FOR SETUP

“The easier it is for us to install the Access Points and use them, and then have access to the mesh network, the better. We’re given the equipment and we plug and play. Being able to come to a construction project this size, with the scope we have, and maintain the mesh network throughout the project is great.”

— **Bryton Schroeder**, Assistant Superintendent

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THE CHALLENGE

Internet installation and configuration can be a daunting task. Running ethernet cable through a jobsite is difficult and prone to failure. There are some wireless connectivity options that bring data to teams outside of the jobsite trailer, but they can be extremely difficult to set up, costly, and the field team is often unable to deploy them on their own. Many currently available WiFi systems require significant support from the corporate IT department, sidetracking them from larger projects and causing delays when waiting for a fix. Furthermore, the hardware designs of these systems are often not optimized for the construction environment. This can cause frequent issues that can consume an IT department and hinder productivity on the jobsite.

THE SOLUTION

PCL Construction worked with DEWALT to implement the DEWALT Jobsite WiFi system that addressed internet connectivity challenges on their 12-story InterContinental Hotel jobsite at the Minneapolis St. Paul Airport. The PCL team needed a WiFi system that worked with their existing corporate IT firewalls and could adapt to and cover the entire jobsite. Additionally, the system must be installed in the field with minimal technical assistance from the corporate IT department.

The WiFi system implemented at PCL's InterContinental Hotel jobsite included 26 DEWALT Jobsite WiFi Access Points that covered the trailer and all 12 stories of the hotel and convention center.

THE RESULTS

The entire process to configure and install the system took less than one day. The setup was performed by the field staff and the DEWALT team using the DEWALT WiFi mobile app, available for Android, iOS, and web browsers. As construction continued, the field team was able to quickly deploy additional access points with a few clicks of the app. In total, it took approximately 20 minutes per unit for the team to install, connect to power, and configure each unit, with no technical assistance needed from the corporate IT team.

Within the first two months of installing the system, the PCL team and their subcontractors connected more than 60 individual phones, tablets, and computers that used almost 50GB of data. The same amount of data on mobile devices could have cost thousands of dollars with cellular data plans and wasted hours of time waiting on files to download and upload at much slower rates.

Overall, PCL reported a significant increase in jobsite connectivity with the simple setup of the DEWALT Jobsite WiFi system.

“The impact in our IT department has been phenomenal. [The DEWALT Jobsite WiFi system] has allowed me to be involved, but more hands-off because the implementation is so easy. That’s great because I can’t always be at every jobsite all the time. [The field staff] gets the system in, they configure it themselves, they hang it and they know what their results will be.”

—Shane Swenson, IT Manager