



- CCSI complete turnkey cell site deployment services installation, integration and test of all tower mounted equipment including all cabling, antennas, remote radio units, tower mounted amplifiers and all associated jumpers and interconnects.
- CCSI's skilled technicians will set, integrate and test all ground equipment such as base band units including all alarming as well as power distribution and grounding.
- Once installed CCSI technician will perform power up testing to validate the installation. Optionally CCSI can perform commissioning services for the LTE equipment based on the customers requirements.
- Our robust site testing includes both sweep insertion loss and Passive InterModulation (PIM) testing of installed components and coaxial cabling from the top of the tower to the base. Our technicians will also perform OTDR, insertion loss and connection verification testing of all fiber cable and jumpers.
- CCSI's excellent logistics support which utilizes our regional warehouse resources enables us to keep inventory of customer equipment and to deliver it to the work site.
- CCSI technical resources provide expertise throughout the project from RF engineering through ground and tower installation, integration and optimization.
- Industry leading project management support provides reporting on key milestones and project completion.
- Ability to quickly deploy multiple crews of experienced tower technicians and engineers provides quick ramp up on our customer's critical projects.
- Best in class closeout documentation includes all required test results and robust photo documentation of installed equipment as well data upload to the customers selected repository.
- At CCSI safety, quality and on-time delivery are our top priorities and all of our processes procedures are designed with these metrics in mind allowing us to deploy quickly, accurately and safely.
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- CCSI has vast experience with the equipment supplied by all of the major radio and antenna manufacturers ensuring that multi-vendor solutions are installed and integrated in a timely manner.



Overview

CCI Services (CCSI) delivers complete site deployment from installation to turn up and test, from the bottom of the tower to the top. Our team of highly trained technicians will install and test all ground and tower based components including BBU, RRU, coaxial and fiber interconnections. We also will install any supporting equipment such as Tower Mounted Amplifiers (TMA) or other antenna sharing components. We will connect all alarms and power and ground and perform any power up testing required.

Optionally CCSI technicians can commission the new equipment as necessary. Our test suite includes sweep insertion loss and Passive InterModulation (PIM) testing of all installed components and coaxial cabling as well as OTDR, insertion loss and connection verification testing of all fiber cable and jumpers.

No matter what the work entails, our team of technicians and engineers bring their expertise and the experience of thousands of site installations to every project making CCSI one of the leading providers of services for cell site equipment.

CCSI is capable of providing installation and integration services throughout North America. CCSI continues to provide both national and regional services supporting several of the major carriers for their 4G rollouts. We've become a trusted partner and CCSI can always be expected to deliver high quality services, safely and on time.

Deliverables

- Inventory customer equipment and deliver to site for installation.
- Pre-construction site audit and a site specific scope of work, including a complete bill of materials.
- Set base radio unit, tie into existing power, install all RF interconnects to designated equipment and perform power up testing.
- Install all tower runs of coaxial and/or fiber cable based on customer requirements.
- Optional commissioning of LTE equipment as required by customer.
- Tower top installation of antennas remote radio units, tower mounted amplifiers as required by the scope of the project.
- PIM testing of all passive equipment and cabling as installed.
- Sweep insertion loss testing of installed cabling, antennas and any other required equipment
- Provide OTDR, insertion loss and connection verification testing for the fiber inter connections.
- Dedicated project and construction managers provide timely progress reporting and project tracking.
- Comprehensive closeout documentation includes all test results and complete photo documentation of installed equipment and includes digital upload services.
- As needed RF engineering a troubleshooting expertise