Will "Cell Tower Climber" be Replaced By Robots?

93% Chance of Automation

"Cell Tower Climber" will almost certainly be replaced by robots.

This job is ranked #582 out of #702, where higher means less likely to be replaced.

Job Description

Repair, install or maintain mobile or stationary radio transmitting, broadcasting, and receiving equipment, and two-way radio communications systems used in cellular telecommunications, mobile broadband, ship-to-shore, aircraft-to-ground communications, and radio equipment in service and emergency vehicles. May test and analyze network coverage.

https://replacedbyrobot.info/34743/cell-tower-climber

Job Details

- The SOC (Standard Occupational Classification) code is 49-2021.00
- The Mean Annual Wage in the U.S. is $ 53,620.00
- The Mean Hourly Wage is $ 25.00
- Currently, there are 14,120 people on this job

Also Known As…

- Radio, Cellular, and Tower Equipment Installers and Repairers
- Tower Technician
- Tower Hand
- Tower Climber
- Radio Technician
- Installer
- Installation Technician (Installation Tech)
- Field Service Technician
- Communications Tower Technician
- Avionics Technician
- Avionics Repair Technician
- Wireless Cellular Technician
- Two-Way Radio Technician
- Two-Way Radio Installer
- Tower Equipment Repairer
- Tower Equipment Installer

- [Telecommunications Tower Construction Lead](#)
- [Telecommunications Tower Construction Foreman (TTCF)](#)
- [Telecommunications Tower Antenna and Line Lead (TTALL)](#)
- [Telecommunications Tower Antenna and Line Foreman (TTALF)](#)
- [Telecommunication Tower Technician](#)
- [Radio Tower Technician](#)
- [Radio Repairer](#)
- [Radio Mechanic](#)
- [Radio Maintainer](#)
- [Radio Frequency Technician](#)
- [Radio Equipment Repairer](#)
- [Radio Equipment Installer](#)
- [Microwave Radio Technician](#)
- [Land Mobile Radio Technician](#)
- [Communications Tower Climber](#)
- [Certified Tower Climber](#)
- [Cellular Tower Climber](#)
- [Cellular Equipment Repairer](#)
- [Cellular Equipment Installer](#)

Tasks for "Cell Tower Climber"

- Climb towers to access components, using safety equipment, such as full-body harnesses.
- Test operation of tower transmission components, using sweep testing tools or software.
- Inspect completed work to ensure all hardware is tight, antennas are level, hangers are properly fastened, proper support is in place, or adequate weather proofing has been installed.
- Locate tower sites where work is to be performed, using mapping software.
- Replace existing antennas with new antennas as directed.
- Perform maintenance or repair work on existing tower equipment, using hand or power tools.
- Run appropriate power, ground, or coaxial cables.
- Install or repair tower lighting components, including strobes, beacons, or lighting controllers.
- Bolt equipment into place, using hand or power tools.
- Climb communication towers to install, replace, or repair antennas or auxiliary equipment used to transmit and receive radio waves.
- Check antenna positioning to ensure specified azimuths or mechanical tilts and adjust as necessary.
- Read work orders, blueprints, plans, datasheets or site drawings to determine work to be done.

- Complete reports related to project status, progress, or other work details, using computer software.
- Transport equipment to work sites, using utility trucks and equipment trailers.
- Take site survey photos or photos of work performed, using digital cameras.
- Assemble or erect communications towers, using construction or rigging equipment.
- Install all necessary transmission equipment components, including antennas or antenna mounts, surge arrestors, transmission lines, connectors, or tower-mounted amplifiers (TMAs).
- Lift equipment into position, using cranes and rigging tools or equipment such as gin poles.
- Install, connect, or test underground or aboveground grounding systems.

Related Technology & Tools

- All-purpose snips
- Circuit analyzers
- Butane soldering irons
- Hex key sets
- Component test sets
- Utility trucks
- Digital ohmmeters
- Coaxial cable stripping tools

- Insulated pliers
- Antenna socket sets
- Hydraulic cranes
- Electric manlifts
- Alignment tools
- Voltmeters
- Gin poles
- Insulated wire cutters
- Desolder pumps
- Wire crimpers
- Probe pick spudgers
- Radio frequency RF monitors
- Wire wrap guns
- Magnetic pickup tools
- Chain saws
- Digital cameras
- Coaxial cable testers
- Diagonal cutting pliers
- Distortion meters
- Punchdown tools
- Concrete pumpers
- Locking jaw pliers
- Insulated nutdrivers
- Receptacle testers
- Plumb lines
- Electricians' scissors

- Full body harnesses
- Trimming potentiometers
- Hacksaws
- Cable locators
- Heavy duty longnose pliers
- Digital spectrum analyzers
- Wattmeters
- Guy wire tension gauges
- Signal probe kits
- Nibbling tools
- Frequency meters
- Extension ladders
- Wire strippers
- Cable cutters
- Digital oscilloscopes
- Groove-joint pliers
- Multifunction digital multimeters
- Double end socket can wrenches
- Long nose electrical pliers
- Phone outlet testers
- Cable winches
- Vector network analyzers
- Equipment trailers
- Phillips head screwdrivers
- Single-cut mill saw files
- Measuring tapes

- Rigging equipment
- Claw hammers
- Curved tweezers
- Double ended screwdrivers
- Scalar network analyzers
- Vise grip pliers
- Slip joint pliers
- Safety goggles
- Antenna analyzers
- Inspection mirrors
- Return loss measuring equipment
- Safety lanyards
- Forklifts
- Modulation meters
- In-line modular adapters
- Round cable cutters
- Backhoes
- Digital ammeters
- Ball peen hammers
- Spring-loaded side cutters
- Screw starters
- Lifting slings
- Fall arrest systems
- Sweep testing tools
- Straight screwdrivers
- Directional radio frequency RF power meters

- Directional compasses
- Power drillls
- Safety glasses
- Electricians' knives
- L-wrench sets
- Frequency counters
- Concrete mixers
- Ignition pliers
- Hand reamers
- Electric soldering irons
- Bucket trucks
- AERONET calculator
- Microsoft Windows
- Microsoft PowerPoint
- Microsoft Excel
- Location mapping software
- Microsoft Word
- Maintenance documentation software
- Microsoft Outlook
- Zoho WebNMS Cell Tower Manager
- Caliper Maptitude
- Sweep analysis software
- Microsoft Project