

ORIOUS telecom works

Orius Telecom Works offers a comprehensive range of expertise for the Telecommunications Service Provider, from design and construction of the Central Office all the way to your end-users' DSL modem or commercial application. Having Orius as your single partner-supplier for all facets of your infrastructure can be beneficial in terms of ease of implementation, range of expertise and cost efficiencies.

You may be looking for a proven network infrastructure company to complete targeted work, such as outside cable placement. Or, you may want the integrated benefits of working with one company to complete multi-discipline work like the placement and turn-up of Digital Loop Carrier Systems. Either way, Orius Telecom Works is uniquely positioned to provide the products and services you need.



Orius Metal Solutions delivers NEBS Zone 4 Certified Communications Support Equipment ranging from cabinets to racks. Customize your products or have your electronics pre-racked in our controlled-environment facility. It's all included with Orius Metal Solutions.

Communications Support Equipment (CSE)

Products meet Zone 4 earthquake requirements and are EIA, NEBS & ETSI certified.

- Channel Racks
- Unequal Flange Racks
- Network Bays
- Global Seismic Frames
- Rack Accessories
- Cabinets

Design/Engineering

ISO 9002 and TL 9000 certifications. Complete coverage of Power, Systems & Detail, Network Design of optical transport systems and documentation services including the production of as-built drawings and wire run lists.

- Facility Design
- Optical Design
- Documentation

Furnishing

Equipment for all network installations, plus extensive CSE equipment & connectorized cable manufactured in-house.

- Materials
- Receiving, Inventory & Staging

Installation Services

Proficiency in a variety of OEM equipment, including: ATM, ADSL, SONET, DWDM, DSLAMs, Channel Banks, Alarms/Telemetry, Distribution Frames & Digital Cross-Connects.

- CO Equipment Installation
- CSE Installation

Cabling

Proficiency in multiplexers, DSLAMs, Channel Banks, Alarms/Telemetry, Distribution Frames & Digital Cross-Connects.

- CO Cabling

Pre-Wire Services

Pre-installing your equipment on racks in our controlled environment facility ensures quality and efficient installation. Additionally, our vendor certified technicians complete tests such as cable continuity prior to shipping.

- Cabling & Labeling

Installed Materials Testing & Certification

Installers perform functional equipment tests on installed materials, including continuity testing, loop testing, testing & turn-up and fiber testing.

Power

Comprehensive installation of new power services, quality power solutions and end to end system design and installation services of 48 VDC power systems.

- Mainline
- UPS
- -48 VDC Plant Installation
- Grounding, Bonding and Surge Protection

HVAC Systems

Installations and upgrades to ensure equipment safety.

Avoid the coordination pitfalls of multi-vendor installation. The ORIOUS Remote Terminal Solution provides everything from a pre-racked external enclosure to turn-up and testing services.

CSE - Controlled Environment Cabinets

Protect your equipment in extreme environments. Can be ordered to meet NEMA Type 3R, 4 or 4X ratings.

Site Preparation & Restoration

All necessary site prep for enclosures, conduit placement, concrete pads, access roads, electrical connections, cable placement, splicing and testing.

Pre-Wire Services

Complete rack and stack can be done offsite prior to installation at job site.

- Rack and Stack of Electronics

Testing and Certification

Includes continuity testing, end-of-line testing, side-of-house testing and test and & turn-up.

- System Turn-Up & Testing

Power

Comprehensive installation services for new power systems.

- Mainline Power
- UPS
- Grounding, Bonding & Surge Protection

HVAC Systems

Installation of necessary HVAC systems to ensure protection against adverse temperature and humidity.

We specialize in supporting Master Service Agreements for both cable and splicing support. Utilize Orius' full capabilities to maintain the quality of your network and your mean time to repair commitments.

Design/Engineering

From start to finish, professional inspections and documentation ensure all phases of a project are properly defined and completed.

- Site Survey
- Mapping/Design
- Permitting & Coordination

Power

Complete design & installation services including grounding, bonding and surge protection.

Cable Placement

Trained personnel ensure all phases in compliance with all NESC requirements, local utility requirements and customer bonding requirements.

- Aerial
- Conduit System
- Open-Trench
- Directional Boring
- Cable Support Systems

Cable Splicing

Splicers trained by manufacturer's reps to ensure optimum cable performance.

- Fiber Splicing
- Copper Splicing

Testing and Certification

Digital testing for excessive bridge-tap or other signal quality degraders.

Ongoing Support

Complete menu of services, including regrouping and customer-specific trouble tickets and cable cuts.

- Moves, Adds and Changes
- Maintenance

With our experience in Residential and Commercial Premise Services, we are well positioned to construct and support your Multiple Dwelling Unit networks.

Communications Support Equipment (CSE)

EIA, NEBS and ETSI certified and meet Zone 4 earthquake requirements.

- Channel Racks
- Unequal Flange Racks
- Network Bays
- Global Seismic Frames
- Cabinets

LAN Engineering/Design

Complete RCDD engineering services. Certified RCDD's through BICSI.

LAN Cabling

Over 130 in-house technicians trained to complete LAN voice & data cabling projects using CAT 5, 5e 6/coax and fiber installation.

Router and Server Configuration

Skilled technicians to integrate Internet servers and routers into your network infrastructure without disrupting ongoing business operations.

Power

Comprehensive installation services for new power systems.

- UPS
- Grounding, Bonding & Surge Protection

Ongoing Support

Complete menu of LAN services, including IT and telephony trouble tickets and cable cuts.

- Moves, Adds and Changes
- Maintenance

Orius installers are trained in both telephony and computer Ethernet installation. The Orius Single Installer Solution eliminates the need for multiple truck rolls and greatly improves troubleshooting coordination.

Copper Cable Drops

All drops are tested and verified to system requirements.

Testing and Certification

All drops tested using laptop computers and digital signal testing equipment.

- Drop Certification
- DSL Modem

DSL Modem Installation

One truck roll and one installer to provide all DSL, modem, computer Ethernet and telephony installations.

Customer Education/Training

Orius installers ensure your customers are familiar with their new services – including internet and email – before considering the job complete.

Central Office

Remote Terminal/
CEV Placement

External Network
Construction

Commercial Premise

Residential Premise