

TELECOMMUNICATIONS DESIGN & INSTALLATION



17 years of leadership in telecommunications design and installation.

Oliver Communications Group prides itself on excellence in all areas of inside and outside plant design and installation.

Our team of skilled and experienced technicians, installers, construction personnel, Project Managers, Engineers, drafts people and office management staff work together to ensure complete customer satisfaction.

Phil Oliver
Director of Operations
Oliver Communications



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TELECOMMUNICATIONS DESIGN & INSTALLATION



Exterior Services - Underground Services & Electrical

UNDERGROUND SERVICES:

With any underground construction, there can be a degree of difficulty navigating through the maze of underground utilities. With our years of experience, we work closely with our Customers to minimize potential costly outages.

- Directional Boring - Trenchless technology ideal for paved and landscaped areas.
- Excavating, Backhoe, and Trenching
- Direct Buried Cable
- Complete Conduit Manhole Systems
- Blown-in Fiber Installation
- Handhole Placing
- Split Steel Cable Protection
- Conduit Rodding and Verification
- Locating and Marking of Existing Utilities – GPS Coordinates also Available
- Video documentation of existing conduit systems
- General Construction
- Road Cutting & Repairing
- Repair of Existing Damaged and/or Clogged Conduit Systems
- Fiber optic & copper backbone cabling



TELECOMMUNICATIONS DESIGN & INSTALLATION

Aerial Construction Services

Exterior Services - Aerial Construction

AERIAL CONSTRUCTION SERVICES:

Our aerial crew is made up of well trained linemen, fully equipped to safely & professionally get your job done.

- Copper and Fiber Optic Placing
- Pole Placing
- Strand Placing
- Anchors and Guys
- New or Over Lashing
- Splicing (including copper and fiber optic cable)
- Make-Ready Work
- Repair Work
- Pole Surveys for Obtaining Pole Right-of-Ways



TELECOMMUNICATIONS DESIGN & INSTALLATION

Station Wiring & Building Risers



Interior Services - Building Risers & Station Wiring

BUILDING RISERS:

Proper Support System & Installation of:

- Copper, Fiber, and Coax Backbone
- Riser Core Holes, Sleeves and Certified Fire Stopping

STATION WIRING:

Our Technicians are certified and regularly updated on EIA/TIA standards and the Warranty systems Oliver has partnered with. We are sensitive to all types of working environments and take special care to accommodate your needs.

- All Levels of Voice and Data
- Audio and Video
- Fiber Optic Cable to Desktop
- Complete Terminating and Testing with Certified Documentation
- Pathway:
 - Wire Mold
 - Conduits
 - J-Hooks
 - Cable Tray
- UL Approved Fire Stopping
- Grounding per the NEC Code
- Patch Cord Installation
- Cable Management Design
- Paging Systems – Bogan
- Cross Connections
- Proper Labeling
- Cable Records
- "D"-Marc extensions
- AutoCAD AS Builts



TELECOMMUNICATIONS DESIGN & INSTALLATION

Electrical Services

Electrical Services

ELECTRICAL:

As an added value service to your Tel-Data installation needs, Oliver Communications holds a current Electrical license in New Jersey, Maryland, Delaware, and Virginia.

- Conduit Pathways / Duct Banks
- Cable Tray / Ladder Rack
- Lighting / Power Distribution
- Complete Data Center Build outs
- Property / Parking Lot Lighting
- UPS
- Emergency Back-up Generators
- Design, Engineering and Project Management for any Project.



TELECOMMUNICATIONS DESIGN & INSTALLATION



Core Drilling & Cable Splicing

Additional Services - Core Drilling & Cable Splicing

CORE DRILLING:

- Suction Ring Attachments for Clean Area Drilling
- 1" - 12" Holes (up to 24" depth)
- Wet and dry cores
- Floor and wall X-ray capabilities
- Vertical and Horizontal

CABLE SPLICING:

Our cable splicers have the knowledge & equipment to respond to any type of splicing situation whether it's a new build-out or a trouble-shoot and repair.

- Copper
- Direct Buried Splices
- Manhole Splices
- Building Risers
- Building Backbone
- Air Pressure Splicing
- Troubleshooting and Repair Splicing
- 1/2 Tap Splicing
- Fiber Optics
- Fusing Splicing
- Multi + Single Mode
- Manhole Splicing
- Aerial Splicing
- Building Risers



TELECOMMUNICATIONS DESIGN & INSTALLATION

RCDD Engineering / Testing & Certification

Interior Services - Certified RCDD Engineering & Designs / Testing & Certification

CERTIFIED RCDD ENGINEERING & DESIGN:

Our staff can provide the Engineering and Design necessary to meet today's standards and to insure that you future needs will also be met.

- Inside and Outside Plant
- Building Risers and Campus Backbones
- TR, Equipment Room, and Building Entrance Facility Layouts
- Turn-Key Systems



TESTING AND CERTIFICATION:

We are fully equipped and trained to certify any media of connectivity.

- Fiber Optic Cable
- OTDR (single & multi-mode)
- Attenuation Tests
- CAT 5e through to 6 10 GIG
- Copper (Shorts, Grounds, Reversals, and Opens)
- Documented Test Results on Disk or Hard Copy

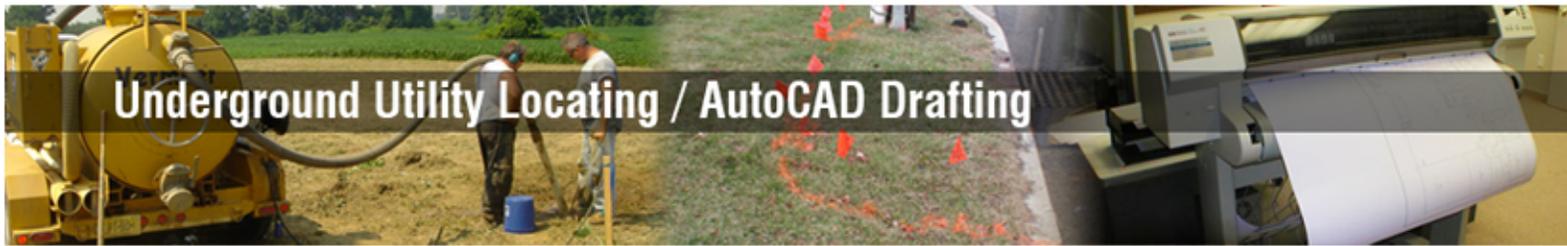


TRAINING:

- Certification Training
- Safety Training



TELECOMMUNICATIONS DESIGN & INSTALLATION



Additional Services - Underground Utility Locating & AutoCAD Drafting

UNDERGROUND UTILITY LOCATING:

Having Trouble Finding Your Utilities? We Can Help You.

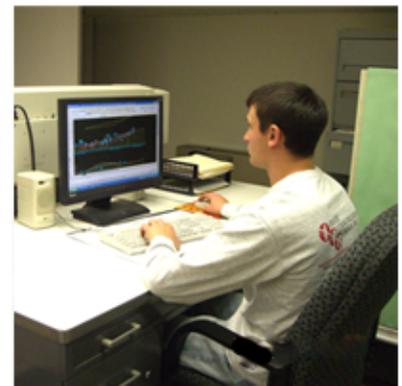
- Telephone
- Electric
- Gas
- Water
- Storm / Sewer
- Locations are Marked with Paint and Flags.
- GPS Coordinates are also Available



AutoCAD DRAFTING:

Knowing your cable plant inside & out is essential to proper cable administration.

- Preliminary Layouts
- As-Built Drawings
- Shop Drawings



TELECOMMUNICATIONS DESIGN & INSTALLATION

Video Surveillance/Access Control

Surveillance / Access Control

Video Surveillance and Access Control: Design & Installation

Oliver Communications has a solution for you!

- Transportation
- Healthcare
- Homeland Security
- Hospitality
- Government
- Gaming
- Public Safety
- Commercial
- Education
- Retail



**Video Management, Access Control, License Plate Recognition
on a single Unified Security Platform**

Today's security is evolving rapidly. In this time of elevated security concerns, you can feel secure and confident in your decision when you partner with Oliver Communications. Oliver understands your security issues and challenges. At Oliver we have the expertise to put together a comprehensive solution for all your security needs. You can count Oliver Communications to work with you to design a system that will accomplish today's goals and allow for growth as your budget allows.

Integration with other security systems can help reduce your bottom line. In the past many of your systems were standalone systems. Each requiring its own hardware, software, installation, service, maintenance, administration and training. We can bring these systems together with integrated security and allow you to control your entire security suite from a single location.

Oliver Communications portfolio of products includes the most advanced security surveillance, access control and License plate recognition software on the market today. In one software platform you can view all your cameras, control access, view the license plates of anyone who entered your property for one site or multiple sites anywhere in the world.

Today's business owners are also increasingly concerned with energy management. Building security and energy management systems can also be integrated into one easy to operate system. Everyday tasks can be automated to increase productivity and manage energy consumption. When doors are opened, relays can trigger to turn on lights, the HVAC, start the coffee maker, etc.

With today's technology businesses can control multiple systems with a single interface. With real-time action driven information being tracked, incidents can be identified immediately thus allowing for quicker responses. First responders such as fire departments, law enforcement agencies and emergency medical services all rely on quick access to accurate data in order to better serve the public. Emergency personnel used to have to get to the scene before they could gather information about the situation, now with an IP based security platform along with broadband wireless technology they have constant connectivity from emergency vehicles to headquarters, enabling emergency personnel to review information about the scene while en route.

Let Oliver Communications design and deliver a professional security solution for you, and put your mind at ease!

TELECOMMUNICATIONS DESIGN & INSTALLATION



VMS (Video Management Software)

Surveillance / Access Control: VMS

Video Surveillance Management Software



Oliver Communications Group, Inc. is a certified a Genetec Dealer!

Our staff is fully trained on Genetec's entire product suite. Genetec is a pioneer in the physical security industry and a provider of world-class IP security solutions to international markets such as transportation, education, retail, gaming, government and more.

Oliver Communications with the Genetec product line can offer advanced video surveillance, access control and license plate recognition (LPR) solutions. The open architecture of these products provides our customers with the ability to optimize a combination of these solutions, thus offering a pro-active and efficient approach through a unified security interface. To date, there is no solution on the market that so flawlessly merges the very latest in user interface design technologies with innovative core functionality like Genetec's unified security platform, the Security Center.



Security Desk is the user interface, designed for operators to efficiently control and monitor multiple security and public safety applications.

Omnicast
IP Video Management

Omnicast is the IP video surveillance system of the Security Center that provides seamless management of digital video, audio and metadata.

AutoVu
IP License Plate Recognition

AutoVu is the IP license plate recognition (LPR) system of the Security Center that accurately reads license plates in both fixed and mobile installations.

Synergis
IP Access Control

Synergis is the IP access control system of the Security Center designed to offer end-to-end IP connectivity, from access control reader to client workstation.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Surveillance / Access Control: Video Analytics

Video Analytics Products



These products are Genetec partners and will work seamlessly together.

Intelligent video analytics software uses range from real-time electronic notifications about perimeter breaches to determining department store shopping patterns, detecting tail-gaiters at secure entryways to measuring traffic density in tunnels, or from triggering alarms on stolen equipment to saving energy in unused building space.

Uses include: Intrusion detection, Unattended baggage detection, Autonomous PTZ tracking, Stopped vehicle detection, Loitering detection, Camera tampering detection.



Analytics with Smart Video Servers

AXIS 242S Intelligent Video Server

AXIS 242S IV Video Server is a one-channel video server equipped with a DSP (Digital Signal Processor), dedicated to processing advanced algorithms in intelligent video applications. Since video and audio analyses are performed inside the video server, only the essential information needs to be sent over the network.

Panasonic WJ-NT314

Panasonic WJ-NT314 Channel Video Encoder with Video Analytics

- * **Intruder Detection** - 3 intrusion areas per VMD program (8 VMD programs) detects when a person or vehicle has entered a designated area
- * **Object Detection** - identifies when an object has been removed or left behind in a given object detection area
- * **Object Framing** - frames up to 8 objects or people that are being analyzed
- * **Object Tracking** - displays route of object or person
- * **Automatic Object Size Calculation** - using advanced perspective compensation, calculates object's size regardless of distance from camera and depth of field

TELECOMMUNICATIONS DESIGN & INSTALLATION



Cameras

Surveillance / Access Control: Cameras

Video Surveillance Products



In addition to leading i-Pro intelligent and professional IP products, Panasonic provides advanced analog solutions to complete any hybrid systems application. Panasonic is also the industry leader in advanced analog cameras and features.



Based on open IP standards, Axis network cameras connect to any kind of IP network, including the Internet, and enable remote viewing and recording from anywhere in the world. They also provide video analytics features, such as motion detection, audio detection and tampering alarm.



Arecont Vision manufactures HDTV surveillance IP cameras and software. With its proprietary MegaVideo® technology, the company offers the world's fastest multi-megapixel (10, 8, 5, 3, 2 and 1.3) network cameras supporting full-motion video frame rates. Arecont's new line of H.264 high definition cameras have the flexibility of various frame rates and resolutions for a variety of applications.



Bosch's strong background in imaging and IP technologies ensures that their solutions meet your current needs and can adapt to your future requirements. Each of the FlexiDome, Dinion, AutoDome and Megapixel camera families incorporate all the latest features and functionality to take full advantage of the benefits offered by IP and digital networking.



SAMSUNG | GVI Security, Inc. is a leading provider of video surveillance security solutions to the homeland security, institutional and commercial market segments. The company offers a full suite of video surveillance and integrated security solutions that enable intelligent video surveillance.

Specialty Cameras



The SightLogix SightSensor is a powerful and unique intelligent video surveillance platform designed for long-range automated security around critical outdoor assets. The SightSensor integrates camera control, image stabilization, advanced image processing, object tracking and behavior analysis inside a ruggedized camera enclosure.



Pelco is a world leader in the design, development and manufacture of video and security systems and equipment ideal for any industry. With a long and prestigious history of offering high-quality products and exceptional customer service, Pelco produces the most respected offering of discreet camera domes and enclosures, electronic access control, video matrix systems, next generation digital video recorders, IP solutions, and fiber optic transmission systems for video/data and much more. Pelco also manufactures a large number of special equipment items, including explosion-proof and pressurized camera enclosures, high-security housings, and thermal imaging pan-tilt-zoom positioning systems.



Infinoa is a leading innovator in the design and manufacture of products for video surveillance, access control systems and fiber optic communications. You benefit from world class technology and quality without paying a premium.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Video Recording & Storage

Surveillance / Access Control: Recording / Storage

Video Recording & Storage (IP & Hybrid)

IONODES
Network Security Appliance
SV-3200



The Most advanced Hybrid Video solution on the Market!

Allows full integration with other systems, such as access control, parking lot license plate recognition, Point of sale devices as well as other building systems onto a single platform.

As an instant out-of-the-box solution, the **SV-3200** leverages the renowned scalability, flexibility and reliability of Genetec's cutting-edge software while offering customers the simplicity and ease of deployment from a single innovative appliance. Small to medium-size deployments, including multi-site installations with geographic dispersion that are common to industries such as the retail, finance, government, education, corporate and commercial markets, are the perfect fit for this all-encompassing network security appliance.



- * Up to 32 cameras connections
- * **Unmatched scalability through Genetec's Federation feature**



Intrinsa

With internal, video optimized recording/playback capacity the **Intrinsa** delivers. Whether for a single location such as a retail store or bank branch, or a single location in a campus or city network, **Intrinsa Video Appliance™** with internal capacity is the right choice. Can be preloaded with your choice of software solutions: Genetec, Axis, Onssi, Milestone, Exacq and others.



The exacqVision® Rackmount Hybrid Server provides seamless integration and recording of both analog and IP video surveillance cameras on an enterprise class chassis. The powerful, yet easy to operate client user interface installs on any standard computer running Windows, Linux or Mac OS X and can connect to multiple exacqVision Hybrid and IP camera servers creating a virtually unlimited amount of cameras and protection. Video from all exacqVision systems can also be accessed with web browsers and mobile devices with access to the internet. Each Rackmount Hybrid NVR server includes from 16 up to 64 analog inputs and 8 IP. It can be easily expanded to up to 64 IP cameras per server.



The Panasonic i-Pro WJ-ND400 NVR can record up to 64 network cameras simultaneously with multi-format recording in MPEG-4 and JPEG to deliver recording performance on par with today's high resolution IP cameras. Metadata associated VMD provides fast, effective search. The WJ-ND400 offers 2x and 4x digital zoom on live or recorded video, Panasonic camera control for pan/tilt, zoom, focus, brightness, preset position and auto mode, with quick IP setup for Panasonic i-Pro network cameras. Up to 9 hot-plug hard disk drives can be installed for maximum on-board storage capabilities, and up to 16 clients can monitor and control the WJ-ND400 simultaneously. Multiple display modes and flexible playback controls facilitate monitoring of images. An embedded real-time operating system offers supreme reliability, while RAID5/6 provides redundant recording for data security.



The AXIS 262+ Network Video Recorder, together with Axis network cameras, offers a comprehensive surveillance solution for detecting shoplifters, reducing false alarms, increasing personnel safety or viewing your premises remotely. It is ideal for monitoring small shops, gas stations, hotels and small offices.



The Bosch Divar XF offers top-of-the-line performance and adaptability. Equipped with four front-replaceable HD drives and extensive integration features, the XF is ideal for medium to large-scale or growing systems. Divar XF's superior image quality and compression gets the most out of CCTV images. Features



The Bosch Divar MR Digital Versatile Recorder gives a compact and convenient CCTV management solution in an all-in-one embedded unit. It provides high-quality digital recording on up to 16 channels, with an internal storage capacity of up to 2 TB. The Divar MR boasts exceptional video quality and a high level of advanced functionality.



The Panasonic WJ-HD300A DVR Series has more features and higher hard drive capacities. The Series is available in 9 and 16 channel configurations and both have a 250 GB base hard drive unit. With optional expansion units, overall storage capacity is up to 15.0 Terabytes (16 channel unit only). The "A" Series allows camera setup over the network and offers 120 images per second in SIF mode. Up to four system controllers can be used in cascade mode.



The Samsung GVI GV-DVR1042DML digital video recorder is a professional DVR that not only replaces the traditional VCR and multiplexer combination but also offers the benefits derived from the latest in digital video processing. Designed to work with today's broadband networks, the GV-DVR1042DML uses MPEG-4 compression. With the ability to record at resolutions up to 704 x 480, the GV-DVR1042DML captures crystal clear pictures, creating effective footage for later use and retrieval. With the ability to record up to 120 images per second in CIF resolution users can also record full-motion video if desired.



Infnova's V3009 series embedded digital video recorder utilizes the VxWorks operating system and DSP processor. It functions as both a Digital Video Recorder (DVR) and a Digital Video Server. The V3009 series DVR employs H.264 compression technology, supporting 8 or 16 videos in, 1 BNC connector for main output, 1 BNC connector for spot output, and 1 VGA video output, along with 8 or 16 videos output looping. It supports SATA hard disk and a USB port.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Surveillance / Access Control: Access Control

IP Access Control Product Partners



Oliver Communications is a Hirsch Authorized Dealer.

Hirsch Electronics manufactures high security access control and security management systems for worldwide markets. Hirsch's award-winning products seamlessly integrate door control, alarm monitoring, enrollment, badging, video, intelligent graphics, reports and database management. From a ScramblePad® intelligent keypad and controller for one door, to an enterprise-class system connecting hundreds of doors for thousands of users, Hirsch is the preferred choice for applications requiring high security, reliability, scalability and investment protection.



Oliver Communications is a Keri-systems partner.

In conjunction with Kerisystems products Oliver can offer state of the art Access Control systems. Keri's newest access control platform provides unmatched system flexibility, ease of use and cost effectiveness. Utilizing true peer to peer Ethernet communications for networking between controllers and software, the system has eliminated the single point of failure prevalent in most other access control systems. A new standard in security, NXT is first of a new generation of equipment to utilize encrypted data from Cards to Readers. Extremely intelligent controllers operate virtually autonomously minimizing network traffic and eliminating bandwidth concerns. Kerisystem's unmatched security does not come with a high price. Using the latest in electronic processing and networking technology, NXT is one of the most cost effective systems on the market.



The Bosch 2.0 (Access PE) Access Control

The Bosch PE system allows the introduction of access control to a company to be done in several small steps. At first only a few central areas are monitored. As system needs expands, access control may become part of an integrated security system. Your investment is always safeguarded, because it supports the same controllers as Bosch's large Systems.



Synergis™, an integral part of Genetics' Security Center, is designed with end-to-end IP connectivity, from access control reader to client workstation. As one of the most intuitive IP access control solutions on the market, Synergis is being used by a number of organizations within the transportation, education, retail, and gaming industries. Oliver Communications is a fully trained and authorized reseller and installer of the Genetec product line.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Surveillance / Access Control: Monitors

Monitors



The WV-LC1700 (17" diagonal) LCD Display is designed with proprietary image processing technology to deliver exceptional images with greater sharpness and clarity. Panasonic's LCD displays are designed to provide longer life than conventional CRTs with significant energy savings and a smaller physical footprint. 1,280 x 1,024 (SXGA) screen resolution; 500 lines of horizontal resolution; and a color palette of approximately 16.7 million colors. (Available in 15", 17", 19")



The PLCD20P (20" diagonal) LCD Display offers Active Matrix TFT with over 16 million colors delivering robust color production and exceptional detail. The monitor boasts 178° viewing angles from either horizontal or vertical positions. The small physical footprint provides space savings and a unique built-in stand adds convenience.

The PLCD24HD (24" diagonal) High Definition LCD Display offers Active Matrix TFT with over 16 million colors delivering robust color production and exceptional detail. The monitor boasts HD resolution of 1,920 x 1,200, 16:9 aspect ratio and includes a DVI and HDMI input.



The PLCD42HD High Definition LCD monitor offers Active Matrix TFT with over 16 million colors delivering robust color reproduction and exceptional clarity. The unit's high performance image processing circuit provides exceptional details. The monitor boasts HD resolution of 1920 x 1080, 16:9 aspect ratio and includes a DVI and HDMI input.



10U rack monitor, only 2.8" depth

20" 1600 x 1200 LCD monitor

Support Quad display (NTSC/PAL), Membrane buttons for Quad & OSD function

4 x BNC video IN & OUT channel, 1 x RS-232 remote port

110/220VAC power supply



Drawer style monitors are more space-saving, requiring only 1U. The screens are shielded by glass mitigating occasional impact and intrusion from splashes, oil and dust. All units have standard 15-pin VGA connector and external AC adapters. Some models have options for resistive-type touch screen and video-in. models. Direct mount units offer screen sizes from 12.1" to 20" and resolutions from 800 x 600 to 1600 x 1200. Drawer units screen sizes are 15" (1024 x 768), 17" (1280 x 1024), 19" (1280x1024) and 20" (1600 x 1200).



Monitor keyboard drawer is a rack space saving design terminal console for your application. It integrated LCD monitor, keyboard, Pointing device and 8 / 16 port KVM switch or KVM-IP into 1U / 2U rack mount drawer. It comes with the 15" / 17" LCD monitor, touch-pad / mouse, and keyboard.

CineMassive Trio 17D

Entry Level Triple Monitor System – Great Value

17" Professional Grade Samsung LCD Panels

Total Resolution: 3840 by 1024 Pixels

Includes Exclusive CineMastery Software Suite

Effortless Installation on Desktop or Laptop with the Plug & Play Upgrade

Signature Mount Provides Optimal Viewing Angle & Easy Adjustment

Use in Portrait or Landscape Mode



TELECOMMUNICATIONS DESIGN & INSTALLATION



Surveillance / Access Control: Wireless Networks

Wireless Products

City Wide Surveillance



Oliver Communications is a Certified Proxim Partner w/ Proxim configuration techs on staff

Proxim Wireless Corporation (OTCQX: PRXM) is a leading provider of end-to-end broadband wireless systems that deliver the quadruple play of data, voice, video and mobility to all organizations today, 100 percent focused on wireless technology, and that focus enables Proxim to provide a complete portfolio of WLAN, Wi-Fi mesh, WiMAX (point-to-multipoint), and point-to-point technologies.

Regardless of the application, Proxim end-to-end product portfolio enables partners to custom-build the wireless solution that fits customers' specific needs. Proxim broadband wireless equipment is used by enterprises, service providers, carriers, government entities, educational institutions, healthcare organizations, municipalities and other organizations that need high-performance, secure and scalable broadband wireless solutions.

A Proxim wireless solution will allow a virtually unlimited number of video surveillance cameras to be deployed quickly, easily and cost-effectively. High resolution, real-time video from each security camera is transmitted directly to a Proxim base station in your regional security center or onsite security office where the wireless network remotely controls the cameras.

Advantages

- * Eliminates the massive costs and delays of trenching for fiber
- * Quickly deployed and configured - operational within hours
- * Deploys virtually anywhere - across rugged terrain, bodies of water and remote areas
- * Carrier-class reliability ensures non-stop security
- * High capacity, configurable and secure broadband wireless for guaranteed QoS
- * Enables real-time transmission from and control of surveillance cameras
- * When integrated with Proxim Wi-Fi networks, allows remote and mobile monitoring (via PDAs, PCs, laptops, etc.) and increases ROI

Applications

- * **City Governments** - Monitor traffic intersections for illegal activities and public safety; secure city parks and municipal buildings such as City Hall
- * **Enterprises** - Provide perimeter security for buildings, monitor inventory on warehouse loading docks and much more
- * **Shopping Malls** - Provide customer security in parking lots
- * **Transportation** - Secure dams, bridges, highways and tunnels
- * **University Campuses** - Monitor walkways or high risk areas for student protection
- * **K-12 Schools** - Protect children from intruders



Firetide Multi-Service Mesh Network Solutions

Oliver Communications as an authorized firetide partner can provide a wireless solution to fit your needs.

Organizations in virtually every industry are recognizing the benefits of wireless networks. Having immediate access to information and real-time data is improving inventory management, patient care, education, service efficiency, and public safety in thousands of organizations. Firetide is a leading provider of multi-service mesh networks for industrial and municipal applications. Firetide provides a secure, high performance wireless mesh infrastructure and access solution for video surveillance, Internet access, public safety networks, and temporary networks wherever rapid deployment, mobility, and ease of installation are required.



Fluidmesh Networks is a leader in wireless systems for security, industrial, and mission-critical applications. Its range of solutions covers point-to-point, point-to-multipoint, and mesh networks with an unparalleled level of reliability, flexibility, and ease of use. The company is focused on the development of top-quality wireless products for security, video-surveillance, condition monitoring and data communication in large areas at risk. Fluidmesh Networks' target markets are municipalities, industrial plants, schools, seaports and marinas, archaeological sites, resorts, theme parks and racing tracks.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Additional Products

Surveillance / Access Control: Additional Products

Additional Products



Videolarm which is compliant with most leading camera manufacturers offers an array of housings, poles, mounting brackets, power supplies, and camera systems, to meet any application. Videolarm has been awarded more than a dozen patents for its innovative surveillance products.



Altronix Corporation is a leading designer and manufacturer of low voltage electronic components. Incorporating cutting edge design and engineering, Altronix has secured an unprecedented reputation synonymous with quality, service, and reliability. Most of our products carry a 'Lifetime Warranty' and are proudly 'Manufactured in the U.S.A.'



Network Video Technologies develops and markets an award winning line of video transmitters/receivers and hub/power systems for the transport of quality color video, data, low voltage power and audio, over unshielded twisted pair wire (UTP).



American Power Conversion (APC) provides protection against some of the leading causes of downtime, data loss and hardware damage: power problems and temperature. As a global leader in network-critical physical infrastructure (NCPI) solutions, APC sets the standard in its industry for quality, innovation and support.



Transition Networks sharpens your ability to do smart business with modular conversion solutions that give you the control to expand your network by user, distance, or protocol. Put us between your copper and fiber for a secure and smooth response to your networking issues.



Optelecom -NKF, Inc. is a global supplier of advanced video surveillance solutions, video servers / codecs, network video recorders, and fiber transmission equipment.



Winsted's business philosophy is simple: to create, develop, and market technical furniture products for application in video, production, broadcast, security, power utilities, process control, transportation, and additional industries around the world. It is a philosophy that positions Winsted as a world leader in the technical furniture industry.



Aiphone provides commercial security products that are unrivaled in design simplicity, technical excellence, and reliability. Featuring intercoms with door release, sophisticated video entry security, and complex microprocessor-based systems, Aiphone has over 30 different systems to create the perfect communications application for commercial use.



Valcom has been providing the highest quality loudspeaker paging and telecommunication system enhancement intercom products. Valcom's extensive systems offering include page control interfaces, VoIP LAN/WAN connectivity, ceiling / wall speakers, paging horns, background music, privacy spot sound masking, power supplies and door entry systems.

TELECOMMUNICATIONS DESIGN & INSTALLATION

Phone Systems

Phone Systems

PHONE SYSTEMS:

Oliver Communications provides two different phone systems; Avaya Partner and Panasonic. Each phone system is designed to fill a particular need and both are expandable to grow as your needs grow.

Selecting the right phone system can be a little confusing. Feel free to contact us to discuss which phone system fits your best. We provide complete systems installations, programming, and training.

Avaya



Panasonic



TELECOMMUNICATIONS DESIGN & INSTALLATION

Guardian Emergency Backup Generators

Generators - Guardian Generators

Generators:

Guardian is the #1 selling standby generator and offer the best value in the industry.

POWER
Advanced alternator design creates enough starting power to run key items.

POWERFUL, DURABLE ENGINE
Generac OHV® air-cooled engines are designed specifically for generators. They offer the longest life and the most horsepower in their class. 2-year interval between oil changes.

SAFE ELECTRICAL OUTPUT
Electronic governor and automatic voltage regulator improve electrical output and protect sensitive electronic devices.

DURABILITY
RhinoCoat™ Textured powder coat paint provides added durability. Corrosion-resistant aluminum enclosures make QuietSource™ and air-cooled GUARDIAN Elite models ideal for harsh coastal climates.

SAFE DESIGN AND OPERATION
UL Listed for safety, quality and reliability.

QUIET OPERATION
The patented Whisper-Test™ feature makes the Quiet Source™ and GUARDIAN Elite™ models up to 50% quieter during the self-test cycle.

TYPICAL SOUND LEVELS (dba)

100	Chain saw
90	Lawn mower
80	Vacuum
70	inside a car at 65mph
60	Car at idle

50% QUIETER AT EXERCISE

WHISPER-TEST™

2 year oil change interval

UL LISTED

Residential



Commercial



TELECOMMUNICATIONS DESIGN & INSTALLATION

Guardian Emergency Backup Generators - Residential

Guardian Air-Cooled Standby Generators (7, 10, 13 and 16 kW)



Guardian® home standby generators automatically supply electricity to pre-selected circuits during a utility power outage. Our pre-packaged, pre-wired systems make installation fast, easy and so affordable, you'll wonder why you didn't buy one sooner! And with Guardian, the kilowatt ratings we list are the kilowatt ratings you get. Unlike our competitors who only cover a percentage of the standby loads, Guardian covers the entire load, for the full duration of the power outage.

Guardian® Elite - 16-18 kW Air-Cooled Standby Generators



Guardian Elite models 16kW and 18kW are the quietest and most powerful air-cooled models of their size on the market today. You can protect selected circuits or all circuits, depending on your requirements. With OHVI® industrial engines these Elites are quiet, long lasting and maintain themselves with up to 2 years between oil changes.

Guardian® Elite 20 – 45 kW Liquid-Cooled Standby Generators



Just because your home requires more power doesn't mean you have to pay a whole lot more. Generac Power Systems has taken all of the leading-edge technologies from our industrial product line and applied them to our GUARDIAN Elite liquid-cooled products. Models range from 20-45 kW and cost thousands of dollars less than competitors' units. They also feature automotive style, liquid-cooled engines and our exclusive Whisper-Test™ feature.

Guardian QuietSource™ 18 – 45 kW Liquid-Cooled Standby Generators



GUARDIAN QuietSource generators are ideal for applications that require ultra-quiet operation and exceptional fuel economy. With larger and more powerful liquid-cooled engines that run at 1800 RPM under full load and our exclusive Whisper-Test feature, QuietSource generators are the quietest in the industry. In addition, these larger engines achieve greater power output with less effort, resulting in significantly reduced fuel consumption both during exercise and under full load.

Ultra Source® 15,000 and 17,500 Watt Portable Generators



GUARDIAN's Ultra Source® portable generators are the most powerful portable generators on the market and offer the best value in the business. They supplement our complete line of residential and commercial automatic standby generators and are ideal for power on the job site or as an emergency source of electricity at home or in commercial applications such as gas stations.

Control and Transfer Switch



Transfer Switch

The transfer switch monitors utility power and signals the generator to start when utility power is interrupted. When utility power returns, the transfer switch returns the electrical load from the generator back to the utility. This ensures your most important electrical loads are powered, within seconds, even when you're away. Unlike other pre-packaged systems, GUARDIAN includes an automatic transfer switch as standard equipment with all models.

This transfer switch is the difference between a truly automatic generator set and just another generator. No toggles to flip, no knobs to turn, no extension cords to run when you lose utility power. You will have the comfort and peace-of-mind knowing that your GUARDIAN standby generator does everything for you... automatically.

- A two pole, 100-amp automatic transfer switch with integrated load center is standard equipment on all air-cooled models up to 16 kW

- A two pole, 200-amp Service Disconnect transfer switch is standard equipment on the Guardian Elite 18 kW model.

These transfer switches are also available for liquid-cooled models or as an alternative to be purchased separately.

No. of Poles	2
Current Rating (amps)	100
Voltage Rating (VAC)	250
Return to Utility Exercised 7 minutes weekly UL Listed	Approx. 13 seconds Standard
Enclosure Type	Yes NEMA 1 (Indoor rated only)
Dimensions (H" x W" x D")	26.5 x 12.5 x 7
Utility Voltage Monitor (fixed)	
- Pick-up	70%
- Drop out	60%

TELECOMMUNICATIONS DESIGN & INSTALLATION

Guardian Emergency Backup Generators - Commercial

Generators - Commercial

Controls and Transfer Switch

Guardian® Elite Commercial Series 18 – 150 kW Generators



GUARDIAN® is now doing to the commercial market what it has already done to the residential market... making standby power reliable, yet affordable. Protect your revenue stream by investing in a GUARDIAN Elite™ Commercial Series automatic standby generator. Our GUARDIAN Elite Commercial generators are ideal for a broad range of enterprises, including restaurants, convenience stores, supermarkets, banks, fitness centers, hotels, and retail outlets.

All Elite Commercial models are available in both single and three-phase configurations. They run on either natural gas or LPV, feature automotive style, liquid-cooled engines and GUARDIAN's exclusive Whisper-Test™ feature. Our 18, 25, 35 and 45 kW premium models come standard with higher displacement, low speed engines and aluminum enclosures. Aluminum enclosures are optional on the 60 kW and larger models.

Whisper Quiet Operation

GUARDIAN's exclusive Whisper-Test low speed exercise feature makes our GUARDIAN Elite products the quietest liquid-cooled generators on the market. Whisper-Test reduces noise by 50% during the generator's weekly self-test cycle allowing for near silent operation that satisfies all known sound ordinances.

Affordable Revenue Protection

During a utility outage, a GUARDIAN Elite will protect your revenue stream and prevent expensive losses by keeping your business... in business. Not only are our products engineered for reliability and long life, our volume production and short lead times make GUARDIAN Elite products an even better value.

Value Models: The most affordable protection in the industry for large homes and small to mid-sized businesses.

Premium Models: Larger, more powerful engines operate at 1800 RPM for ultra-quiet operation and standard aluminum enclosures provide superior corrosion protection for coastal areas and harsh environments.

Superior Paint: Tough, textured powder coat paint finish for unmatched durability and all weather protection.

UL Listed: For safety and certified power ratings.

Clean Burning Fuel: Natural gas or LPV.



The transfer switch monitors utility power and signals the generator to start when utility power is interrupted. When utility power returns, the transfer switch returns the electrical load from the generator back to the utility. This ensures your most important electrical loads are powered, within seconds, even when you're away.

The transfer switch is the difference between a truly automatic generator set and just another generator. No toggles to flip, no knobs to turn, no extension cords to run when you lose utility power. You will have the comfort and peace-of-mind knowing that your GUARDIAN standby generator does everything for you... automatically.

Suggested Transfer Switch

When choosing a transfer switch, you must match or exceed the generator output amperage. The transfer switch to be used is based on the kW rating and voltage of the generator. All GUARDIAN transfer switches are UL 1008 Listed to meet safety and performance standards.

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Oliver Communications - Company Warranties



Systemax 20 year warranty



Corning 25 year warranty



Hubbell (Mission Critical) 25 year warranty



ADC/Krone Truenet 20 year warranty



Ortonics 25 year warranty



Siemon 20 year warranty



Superior Modular Products



Panduit

TELECOMMUNICATIONS DESIGN & INSTALLATION



About Oliver Communications - Company History

Oliver Communications Group was formed in 1992 and is a growing company servicing the expanding industry of telecommunications. We provide a complete line of telecommunication cabling services from project engineering through final testing. Our installations include voice, data, audio, video, etc running copper, fiber, coax or any type of media required. We install both Inside and Outside plant projects. We also hold an electrical license in New Jersey, Maryland, Delaware, and Virginia. Currently our installation staff consists of approximately 45 IBEW Tel-Data Technicians / Electricians. We also have a competent and knowledgeable support staff of Estimators, Salesmen, Project Managers, an RCDD and on-site Cad operations.

Our Technicians regularly attend certification training and seminars to keep current with the fast pace changes in the different divisions of the BICSI standards. Oliver Communications is a member of BICSI and has all the necessary test equipment to certify various types of copper and fiber installations including Siemons, Ortronics, Systimax, Corning, ADC, Panduit, Hubbell, and Superior. We also have additional certifications such as Hilti Fire-stopping. Our outside crews perform a complete line of services including conduit and manhole systems, campus backbone cabling, pole placement/aerial work, etc.

We strongly believe in planning and safety, all of our technicians regularly attended OSHA safety training courses. Our EMR rating is currently 0.77 and has been under 1.0 for the past 17 years. Our insurance coverage is comprehensive and we carry a \$9,000,000 umbrella policy. If necessary, we can provide a Performance & Maintenance bond up to \$2,500,000. We are an approved SBE by the state of New Jersey and are registered with the New Jersey Department of Labor as a Public Works contractor. Our DUNS number is 79-152-9308.

Oliver Communications is proud to provide a superior standard of service to our customers. All services are provided with in-house personnel and equipment only; we do not subcontract to others.

TELECOMMUNICATIONS DESIGN & INSTALLATION



Testimonials



Verizon Enterprise Solutions Group

"My Verizon hardhat is off to you and your crews for the excellent work..."
- Jack Corso



University of Pennsylvania Health System

"It is refreshing to have a vendor with such expertise and dedication in the area of telecommunications as Oliver Communications Group."
- Raymond M. Brokofsky



Public Service Electric and Gas Company

"... and I would like to take a moment to commend your company and especially ..."
- Timothy N. Weeks



The College of New Jersey

"It is very effective to have a knowledgeable individual come out to the site, review the project, ask questions about our requirements and even suggest alternative designs for cost savings or engineering efficiency."
- Brad Coburn, Will Power, Walter Lankford



Tishman Technologies Corporation

"There are many people and their respective efforts that make such goals attainable and Oliver Communications is key to reaching these milestones. Oliver makes a difference."
- Mike Fox



WilTel Business Networks

"I just wanted to extend thanks to you and your crew for ..."
- Robert Gramlich



Bell Atlantic Network Integration

"I would like to take this formal opportunity to thank you and ..."
- Thomas G. Brodecki, RCDD



Princeton University

"Needless to say I've been sleeping better at night... Phil Oliver has a great team of qualified and professional people. I highly recommend them."
- David Morreale



American Re-Insurance Company

"You stand behind your work, which has consistently been of high quality."
- Paul F. Lupica



Ortho Diagnostic Systems, Inc.

"I would like to take this opportunity to commend Phil Oliver and his staff at Oliver Communications Inc. ..."
- Gregory D. Olszyk



Computer Sciences Corporation

"...the large underground bore you completed went so smooth that we could not believe it when you told us you were finished."
- David Bruck



Kemper National Ins. Co.

"The way you coordinated the phone and computer installation was no less than fantastic."
- Johannes W. Pot



The Lawrenceville School

"It's a pleasure to work with a vendor that is not only reliable but professional as well."
- Mark Costello



The Lawrenceville School

"On behalf of The Lawrenceville School, I want to thank Oliver Communications ..."
- Susan G. Riederer

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About Oliver Communications - Qualifications

JOB ENVIRONMENT EXPERIENCE:

- Hospitals
- Colleges / Universities / Schools
- Pharmaceutical / Chemical Companies
- Apartment Complexes
- Nuclear Power Plants
- Military Bases
- Retail Stores
- Along Roads & Interstates
- Warehouses
- Airports



OSHA SAFETY CERTIFICATION:

it is mandatory for all of our employs to go thought the OSHA Safety training class.
Safety starts with us.

UNION AFFILIATIONS:

We are signatory with the IBEW for electrical and Tel Data for all of New Jersey, Pennsylvania, and Delaware.

BISCI MEMBERSHIP:

RCDD and BISCI Members on Staff

- Inside and outside plant installations per TIA/EIA, BISCI, and NEC specifications

FIRE STOP CERTIFICATIONS:

- Hilti
- Nelson

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Equipment Owned

About Oliver Communications - Partial List of Equipment Owned by Company

PARTIAL LIST OF OWNED EQUIPMENT:

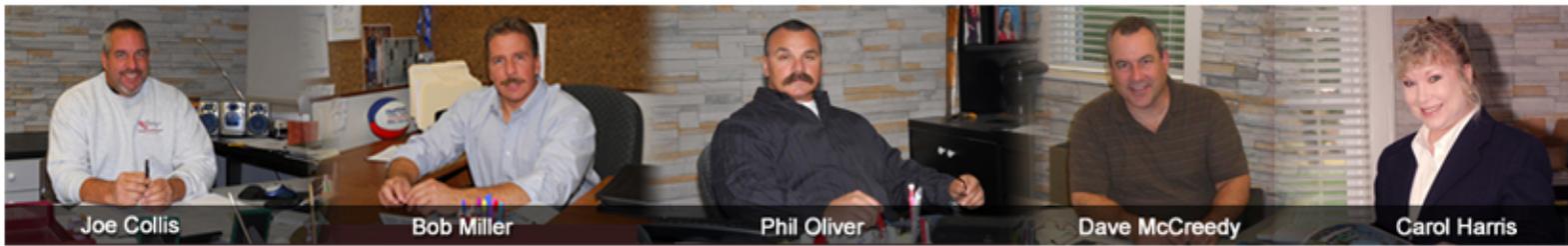
Inside Plant:

- Pulling Winches
- Jack Stands
- Greenlee Vacuums
- **Copper Test Equipment:**
 - Fluke DTX 1800
 - TestAll IV's
 - Dynatel 965 DSPs
 - Fault Meters
 - Biddle Loop Testers
 - Riser Bond TDRs
- Tempo Meters
- 2-Way Radios
- Trucks
- Service Vehicles
- Various Hand Tools
- 25ft. Scissors Lifts
- 36ft. Scissors Lifts
- 40ft. Scissors Lifts
- Coring Machines (Wet and Dry)
- Ropes & Pulleys
- Ladders
- **Fiber Equipment:**
 - OTRDs
 - **Attenuation Testers:**
 - Corning iLid Fusion Splicers
 - **Mechanical Splicers:**
 - Terminating Kits
 - 3M Hot Melt Kits
 - Laser Lights
 - Coax Cable Testers: 50-75 Ohms

Outside Plant:

- Case Backhoes
- Mustang Skid Steers
- Ditch Witch Trenchers
- Yard Dump – Single Axels
- Tri-Axel Tandem Dump Trucks
- Asphalt Cutters
- Underground Utility Locating Equipment
- Boring Machines – Auger & Pneumatic
- Directional Boring Machines
- Cat Excavators – 320 & 312 & 303
- 2 ½ Yard Rubber Tire Side Dump Loaders
- 2 – 4 Yard Rubber Tire Side Dump Loaders
- Mobile Fiber Optic Splicing Labs
- Confined Space Entry Equip & Certifications
- Fiber & Copper in house stocks
- Compacting Tampers
- Safety cones & signs
- Missile borings
- 24 ft Roll Backs
- Freightliner Bucket Trucks
- Telsta Bucket Trucks
- Splicing Bucket Trucks
- Flatbed Equipment Haulers
- Peterbilt and Lowboys
- 15 – 1 Ton Pick up Trucks
- Line Trucks
- Yard Dump Trucks
- Asphalt Rollers
- Cable Trailers
- Compressors
- Jack Hammers
- Blowers
- Highway crash trucks
- Tractors with York rakes
- Duct Rodders
- Video Rodders

TELECOMMUNICATIONS DESIGN & INSTALLATION



Contact Oliver Communications Group

Contact Us:

1-800-578-3343
1-609-324-1750

Fax:

1-609-324-1760

Contact Emails:

(questions or comments)

Phil Oliver - phil@olivercomm.com

Joe Collis - joe@olivercomm.com

Dave McCreedy - davem@olivercomm.com

Carol Harris - cjharris@olivercomm.com

Bob Miller - bob@olivercomm.com

Sales - sales@olivercomm.com



Mailing Address:

Oliver Communications Group, Inc.
2457 Old York Road
Bordentown, NJ 08505
TEL (609)-324-1750
FAX (609)-324-1760