Comptek
an Aero Wireless Group company

Comptek Technologies

Small Cell Product Catalog

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Company Headquarters in Aurora, CO

Comptek Technologies (aka Comptek), a member of Aero Wireless Group*, is a product development company and fabricator of engineered composite, alloy and metal products. Comptek transformed the macro cell tower industry with the development of non-welded reinforcing solutions. This gamechanger increased the capacity of infrastructure to support more wireless equipment.

Comptek works closely with major wireless operators and utility providers to meet cost, performance and aesthetic requirements for small cell infrastructure deployments. The company offers a full suite of wireless concealment poles, shrouds, and infrastructure solutions to meet carrier requirements and the aesthetic character of the community. Comptek is an ISO 9001 certified company and adheres to many industry guidelines such as AASHTO, TIA, AWS, AISC, and GR487.

*Aero Wireless Group is comprised of Comptek Technologies (est. 1998), Aero Solutions (est. 2002), and Aero Smart Communities (est. 2016). Aero Solutions provides turnkey design / build services to collocate macro cells onto towers. Aero Smart Communities provides private developers, utility providers, and municipalities guidance in planning, deploying, and managing wireless infrastructure.

Company Overview

4G Integrated Pole with Base Cabinet

CityPole®

Comptek designs, engineers and manufactures CityPole®, a flexible smart pole system. Since 2016 the CityPole® has been deployed by major wireless operators, utility providers and municipalities. The system is deployed across multiple states and jurisdictions, on campuses, and in private developments and public rights-of-way.

Product Development

Comptek engineers and manufacturing specialists are actively engaged in the development of industry standards to continually improve the infrastructure required for deployments. Internal product development of new products and installation techniques are conducted by Comptek's in-house team of multi-disciplined engineers and testing partners.

Members of the Comptek team take a leadership role in wireless associations and technical committees, including:

- WIA
- CTIA
- AASHTO
- TIA-222
- EUCI
- EEI
- ASCE
- AISC

Company Overview

The Comptek Advantage

Accelerate small cell deployments with full, partial and non-concealment solutions. Comptek solutions combine the structural, thermal and RF requirements of the wireless carriers with the aesthetic guidelines of communities. In addition to the CityPole® support poles and integrated poles, Comptek's suite of mounts, cabinets, architectural shrouds, and 5G shroud systems complement the company's wireless infrastructure product portfolio.

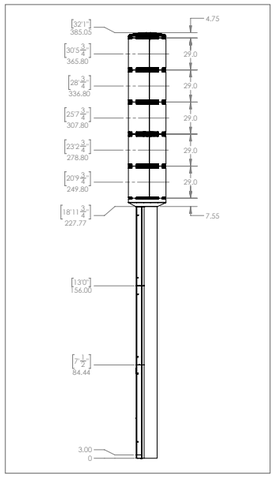
Architectural and Aesthetic Design

The architectural detailing on the CityPole® and Comptek shroud solutions is achieved with modifications to the structural components. Comptek's creative team is consistently successful in developing design details that blend smart infrastructure into the urban landscape, university or corporate campus, or community landscape to meet the approval of city councils and communities.

The Comptek creative team ensures new infrastructure designs preserve both the history and architectural character of each neighborhood. The company's experience in fabrication, castings and a wide range of materials results in achieving balance between cost and architectural details.

Engineering Capabilities

Product Development



Specification Drawing

3D Model / Rendering

Photosimulation

Comptek offers a wide variety of standard modular product solutions that can be customized to meet the evolving needs of communities, technologies, and deployment projects. Our Product Development team works closely with our clients to provide recommendations based on industry experience and iteratively develop products through specification control drawings, 3D modeling, and photosims. Comptek puts a strong emphasis on aesthetics, and is capable of meeting aesthetic challenges to pass city approvals where there are specific requirements (historic zones, new build areas, high profile areas, etc.).

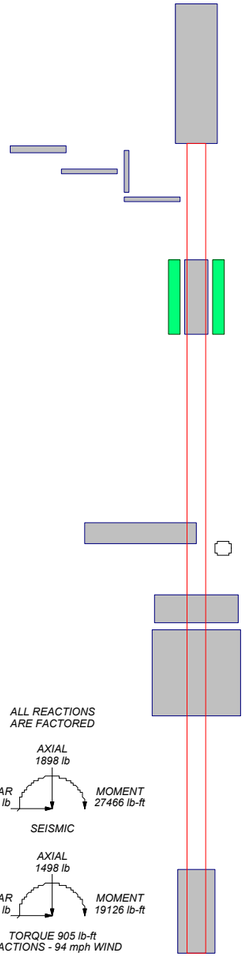
Engineering Capabilities

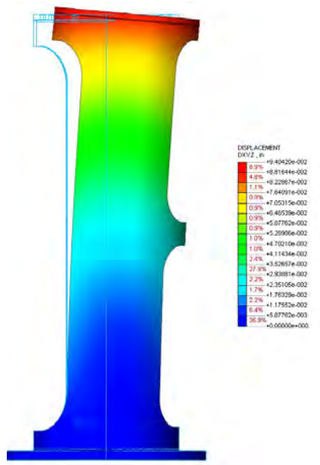
Structural Design

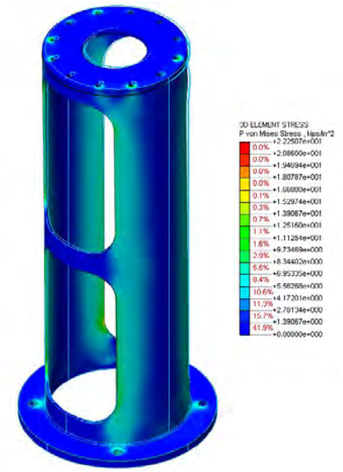
Comptek concealment poles, support poles, and shroud attachments are engineered in-house to telecommunication industry standards. All products are designed to meet national and local building codes.

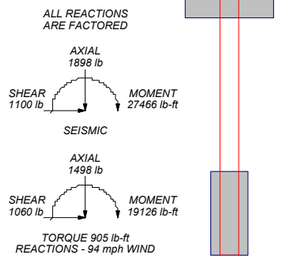
All products are 3D modeled to optimize material and space. The resulting computer models are analyzed for structural performance (materials, weldments, wind speeds, etc.) employing finite element methods. Our engineers ensure safety and structural optimization meet all codes and best practices.

Comptek Professional Engineers provide fully stamped Structural Analysis reports, with licenses from nearly every state.









Engineering Capabilities

Foundation Design

Pre-cast Pad & Pier

Cast-in-place Caisson

H-Pile Foundation

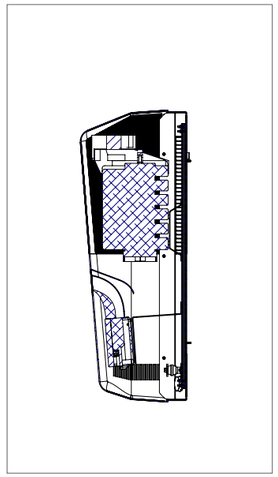
Comptek designs foundation solutions for integrated and support poles that include a wide range of options based on the site constraints, soil conditions, and regional construction industry equipment and experience. To expedite installation time in the right-of-way, Comptek offers several flexible foundation solutions, including:

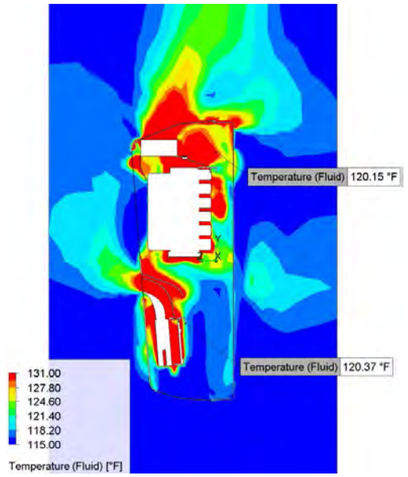
- Pre-cast pad and pier
- Pre-cast caissons
- Cast-in-place foundations
- Direct embedment of the pole
- Breakaway pole solutions
- Steel foundation elements with connector flange
- Helical anchors
- Polyurethane foundation solutions

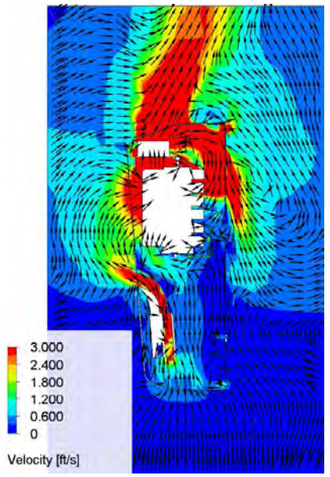
All foundation types support underground conduit and connectors to fiber and power. Where interference in the ground opening may exist following excavation, our experienced engineers will inspect and develop custom foundation solutions to fit the site.

Engineering Capabilities

Thermal Design







Comptek evaluates the thermal performance of all products to ensure heat generated by equipment is managed according to Telecordia GR-487 standard. Comptek assures the internal environment of its products remains consistent with demands of installed electronics, regardless of external conditions. To accomplish this, engineers employ the following tools & methods:

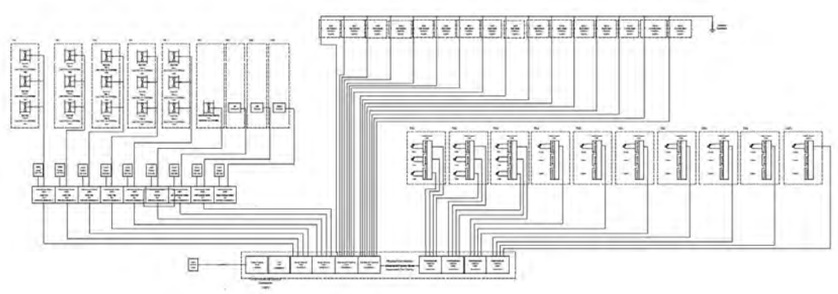
- Computational Fluid Dynamic modeling and analysis
- Comprehensive thermal analysis reports
- Thermal testing at national laboratories
- Innovative design & integration of thermal components (ducting, baffles, strategically positioned fans, etc.)
- Full scale Inter-Mod and PIM surveys are also available.

Engineering Capabilities

Electrical Design

Comptek offers several Electrical Design services depending on customer needs.

- Standard cable management and conduit routing features
- Pre-wiring services, including power and fiber, are available to simplify installation in the field
- All products are designed to be NEC compliant and can be configured to conform to local utility standards
- One-line diagrams available upon request
- Grounding specifications provided with Foundation Design



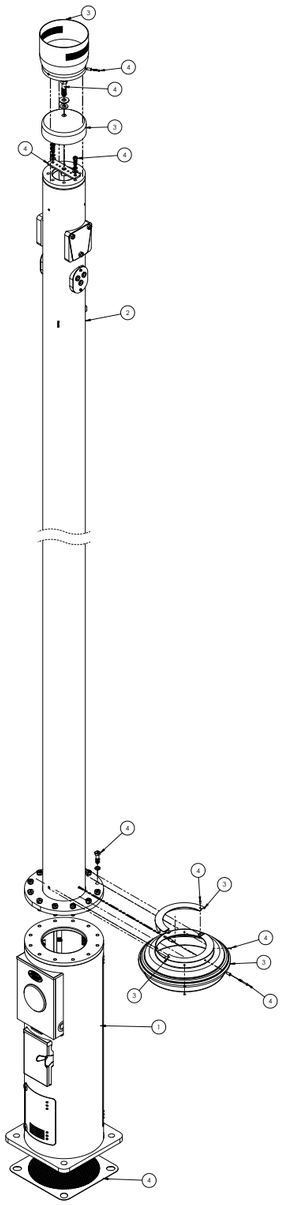
Engineering Capabilities

Design Engineering

The attention given to design and manufacturing details enhances both the aesthetics and ease of installation. For example, bolted connections are readily accessible but hidden from view. Comptek engineers its products with the best technology to assure a high performance environment for current and next generation equipment applications.

Our Design Engineering team has the capability of creating custom products to meet project-specific requirements.

Comptek's In-House Large Format 3D Printer

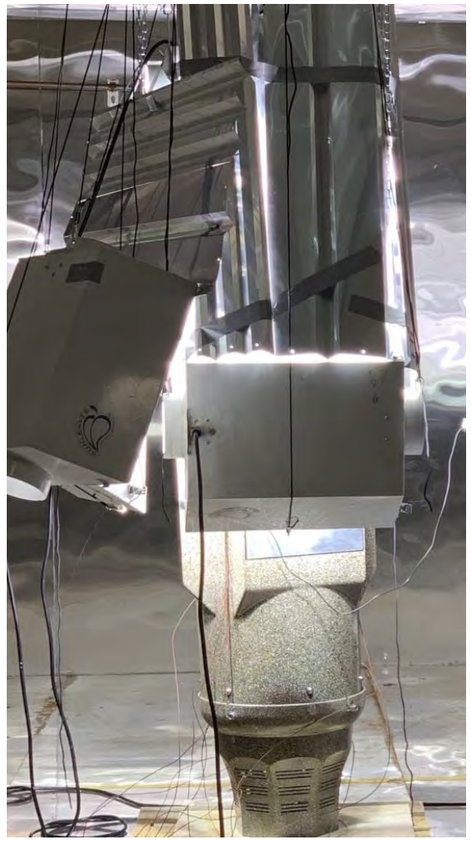


Engineering Capabilities

Testing

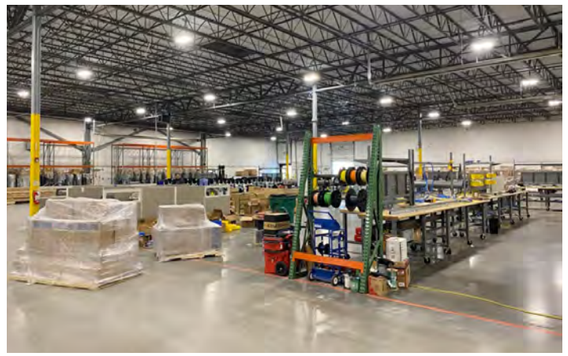
All of Comptek's products are engineered to industry standards, including Telecordia GR-487. Through experience, analysis, and rigorous testing, Comptek ensures that all of our products are fully safe and can handle the environmental stresses imposed on them. Our common tests include, but are not limited to:

- Pole loading and break testing
- Thermal testing in an NTS lab
- Benchtop simulations
- Acoustical noise studies
- Painting adhesion, finishing, and UV degradation
- Salt fog spray testing (finish corrosion resistance)



Engineering Capabilities

Manufacturing



The CityPole® is made from durable, high quality materials of steel, aluminum, and/or RF transparent composite. Corrosion protection is a quality standard and essential to exceed the lifecycle requirements of the industry. Comptek's specifications are stringent for galvanizing, powder coating, and epoxy coatings. All CityPole® smart poles are manufactured directly from the Comptek engineering data files, assuring control of each design and an effective change management process. Comptek is committed to using state-of-the-art fabrication technology and equipment to guarantee quality, fit, and finish. Each component is individually labeled for ease of installation. All coatings are UV rated and impact resistant, providing coating and color longevity.

Engineering Capabilities

Painting & Finishing

CityPole® standard single color options:

Signal White *RAL 9003*

Traffic Grey *RAL 7042*

White Aluminum *RAL 9006*

Grey Aluminum *RAL 9007*

Grey Brown *RAL 8019*

Ruby Red *RAL 3003*

Sapphire Blue *RAL 5003*

Black Green *RAL 6012*

Signal Black *RAL 9004*

Traffic Black *RAL 9017*

CityPole® patented faux concrete options:

White Concrete

Light Concrete

Dark Concrete

Brown Concrete

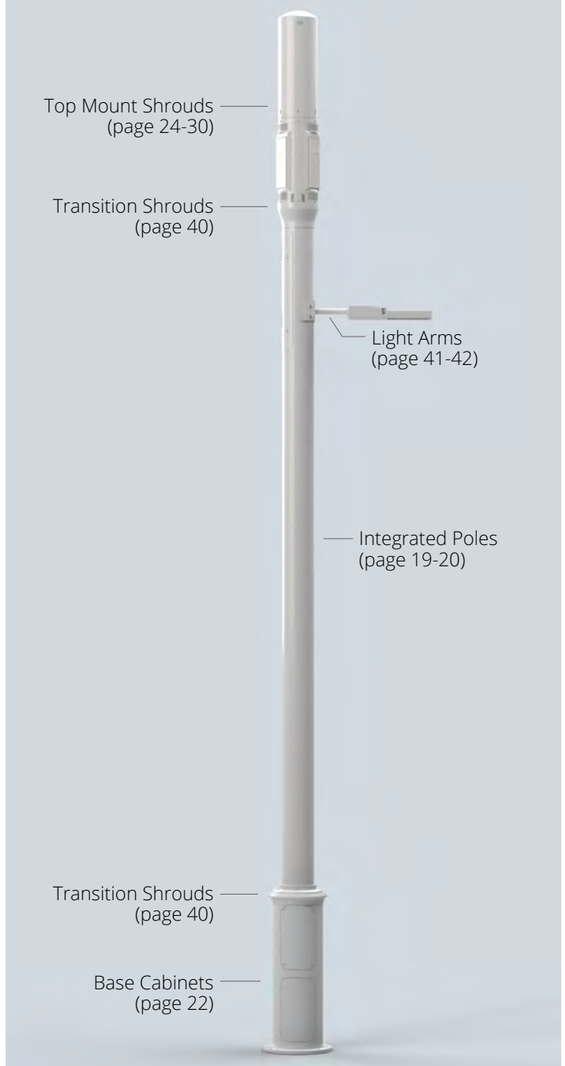
Comptek material and coating selections are based on client requirements and regional conditions to resist corrosion, UV degradation, salt spray, extreme temperature ranges, and other adverse conditions. All Comptek coating vendors are SSPC QP1 and QP3 certified.

Comptek offers galvanized, powder coated, customized epoxy paint coatings, and duplex finishes. Finish options include matte, satin, semigloss, and full gloss, as well as textured finishes and anti-grafitti coatings. Comptek's standard color options are shown above, but all RAL and Federal Standard colors are available upon request.

Faux Concrete Finish

Support Pole

Integrated Pole



CityPole® Overview

Comptek's CityPole® comes with two primary architectural solutions, the Support Pole and the Integrated Pole, as shown in the examples to the left. All Comptek poles can be modularly built to accommodate any combination of Comptek products and equipment configurations.

Support Pole

Comptek Support Poles are flexible to accommodate future equipment changes, IoT technologies, and additional tenants. The slender form factor gives the support pole an aesthetic advantage, and Comptek's wide range of modular top and side mount attachments may be utilized to rapidly deploy carrier equipment. All Comptek products are thermally and structurally validated to be utilized in rapid deployment situations.

Integrated Pole

Comptek Integrated Poles fully conceal carrier equipment internally to provide a clean, uniform external aesthetic. The upper pole is designed with openings and door panels to be able to easily install and access equipment as needed. Comptek's proprietary FlexRail system (shown below) is utilized within the pole and optional base cabinet to easily accommodate future equipment modifications. Every Integrated Pole is thermally and structurally managed to conceal and protect the equipment inside.

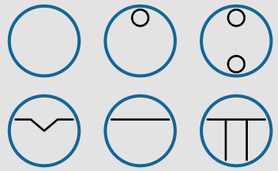
FlexRail™

Comptek's universal rail mounting system enables the interchange of equipment easily and simple reconfiguration of new and future technology as needed. The rail track system simplifies cable management and serviceability.

Comptek typically implements its FlexRail™ solution inside of base cabinets, integrated poles, backpacks, and top mount equipment cabinets, but it may be used in additional applications as needed.

Conduit Solutions

Comptek offers many standard conduit routing options, as represented below, in addition to alternative solutions to meet specific project requirements.



Support Poles

Round

Comptek's Support Poles are slender and modular to accommodate a wide range of solutions. Main features include:

- Compatible with wireless attachments, IoT technologies, future equipment changes, and additional tenants
- Conceals and protects wireless and IoT equipment through thermal design modeling and management
- Easily attach banners, signage and new or existing light attachments
- Compatible with standard base cabinet offerings
- Separation of wireless and utility equipment
- Easy to assemble; training support available

Ø8.625″ or Ø10.75″

Up to 40′ standard in 1′ increments

Custom sizing upon request

Ø8.625″ Round Support Pole

Ø10.75″ Round Support Pole with Ø20.0″ Base Cabinet

Support Poles
Octagonal

Comptek's Octagonal Support Poles feature all of the same benefits as the Round Support Poles on the previous page, but provide an alternative profile for aesthetic consideration.

9.0″ Flat to flat

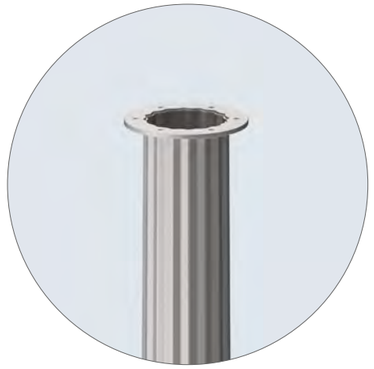
Up to 40′ standard
in 1′ increments

Custom sizing upon request

9.0″ Octagonal Support Pole

Support Poles
Fluted

Comptek offers several Fluted Support Pole profiles to meet decorative jurisdictional requirements, as shown below. All fluted poles are tapered from bottom to top.

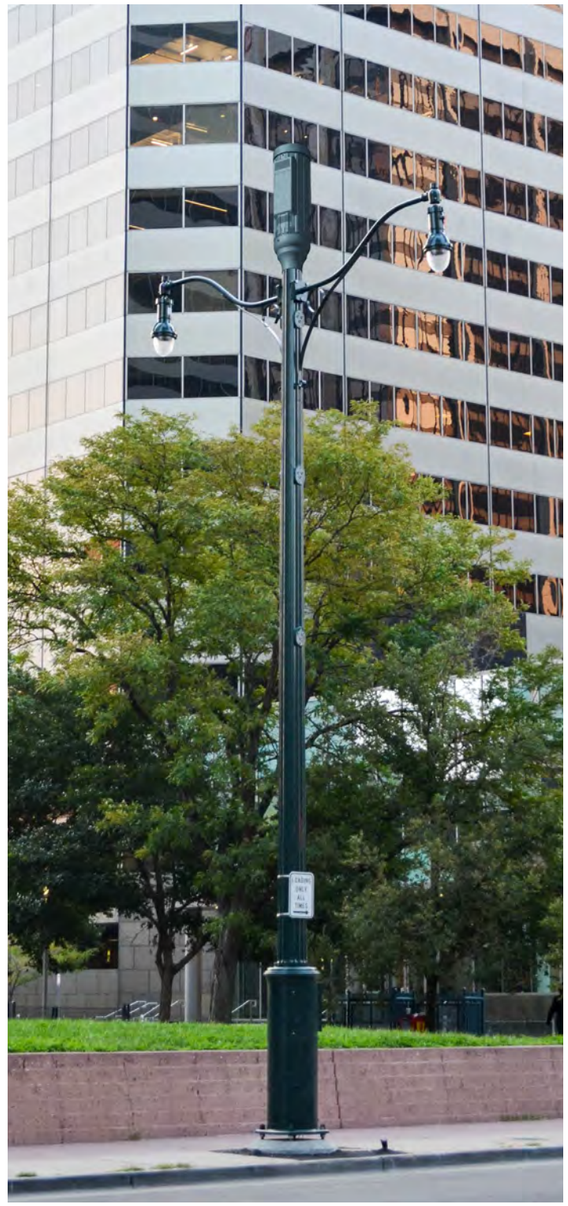


Available in various fluted profiles

Various

Up to 40′ standard
in 1′ increments

Custom sizing upon request



Fluted Support Pole with Ø20.0″ Base Cabinet

Integrated Poles

Round

Ø12.75″ Round Integrated Pole

Comptek's Integrated Poles have all the same features as the Support Poles, in addition to equipment cabinets built into the body of the pole to internally house low-power 4G and other ancilliary equipment, while providing a clean external aesthetic. These poles have the ability to accommodate all of Comptek's modular products, such as Base Cabinets, Top Mount Shrouds, Transition Shrouds, and more in order to create a fully customizable small-cell solution.

Ø12.75″ or Ø14.0″

Up to 40′ standard
in 1′ increments

Custom sizing upon request

Integrated Poles

Octagonal

12.0″ Octagonal Integrated Pole with Ø20.0″ Base Cabinet

Comptek offers an Octagonal Integrated Pole as an alternative aesthetic. This pole similarly has the capacity to house equipment inside the body of the pole, allowing for a streamlined appearance preferred by many cities.

Ø12.0″ Flat to flat

Up to 40′ standard
in 1′ increments

Custom sizing upon request

Base Cabinets

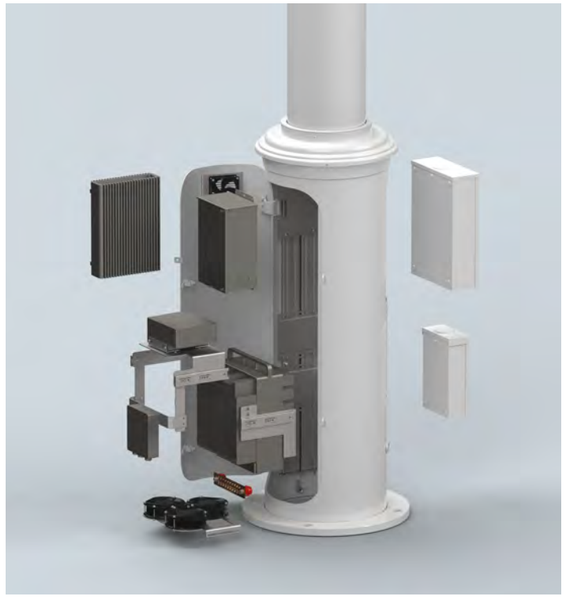
16”, 20”, and 24” Diameter Options

A base cabinet may be added to any Comptek pole type in order to house radios, meters, disconnects, and other equipment as needed. Comptek offers 16”, 20”, and 24” diameter base cabinet options, depending on the equipment configuration. All technology is thermally managed inside each base cabinet to ensure seamless integration.

Ø16” Cabinet

Ø20” Cabinet

Ø24” Cabinet



Ø20” Cabinet | AC Panel, Disconnect, Meter, Busbar, Fan Kit, Fiber Panel, Fronthaul, Rectifier, High Powered Dual Band Radio

Typical Equipment List

The base loadout for all of our Base Cabinets typically includes an **AC PANEL**, **METER**, **DISCONNECT**, **FIBER PANEL**, **DIPLEXER** and **BUSBAR. THERMOSTAT** and **FANS** may be added if needed.

As seen in the table to the right, the different base cabinet sizes are capable of housing different types of equipment. The table displays a non-exhaustive list of equipment that is shown for reference and may or may not fit depending on the complete loadout desired. Please contact Comptek to discuss your specific equipment configuration needs.

		Ø16”	Ø20”	Ø24”
RADIOS	Ericsson 220x, 440x	●	●	●
	Ericsson 4455	-	●	●
	Ericsson 8863 (C-Band)	-	●	●
	Ericsson 4449, 8843	-	●	●
	Nokia AHFB, AHIB, AZQC, AZRB	●	●	●
	Nokia AHBCA, AHFIA, AHFIC	-	●	●
	Nokia AHLBBA	-	●	●
	Samsung RT-2201, RT-4401	●	●	●
	Samsung RF4402D	-	●	●
	Samsung RFV01U	-	●	●
FRONTHAULS	Ericsson 6387, 6389, 6585	●	●	●
RECTIFIERS	Ericsson 6302	-	●	●
	Delta DPR1800B, DPR2000B	-	●	●

Top Mount Shrouds

12″ Diameter Shroud Solutions

5G Top Mount Shroud on Octagonal Support Pole

5G-Only

4G-Only

The 12″ diameter concealment solution is compatible with several radio and antenna options and complies with GR-487 and small cell aesthetic standards. Integrated with an offset mount to stack equipment vertically, the shroud easily mounts to new or existing streetlight poles, wood poles, and traffic signal poles. The shroud utilizes RF transparent materials and can be rotated to accommodate 360° azimuth alignment.

Typical Equipment List:

5G-Only: Ericsson 6705, 6701, 1281, 1652 (C-Band)

4G-Only: Ericsson 220x, 440x | Nokia AHFB, AHIB, AZQC, AZRB | Samsung RT-2201, RT-4401 | Various Cantenna Options

Top Mount Shrouds

16” Diameter Shroud Solutions

Ericsson 6705

Ericsson 1281

Samsung AT1K0x

Nokia AEUD/E, AEWD/E

- 5G Tri-Sector array for 360° rotation
- Slender profile with decorative transition shroud options
- Concealment shroud design for optimal RF performance
- Attaches to new or existing streetlight poles, wood poles, and traffic signal poles.

4G-5G Top Mount Shroud on Octagonal Support Pole with Ø16” Base Cabinet

Typical Equipment List:
Ericsson 6705, 6701, 1281, 1652 (C-Band) | Samsung AT1K0x | Nokia AEUD/E, AEWD/E

Top Mount Shrouds

16” Diameter Shroud Solutions

In addition to the 5G Tri-Sector designs shown to the left, Comptek offers top mounted equipment cabinets to house low-powered radios as well as a wide variety of cantenna options. All of Comptek’s Ø16” Shroud Solutions are modular and may be stacked on top of one another. This flexibility allows for several possibilities for 4G and 5G designs, Multi-Tenant designs, and future modifications as needed.

4G Cantenna Only

4G Cantenna w/ Cabinet

4G Cantenna w/ 5G Tri-Sector

4G Cantenna, Cabinet, 5G Tri-Sector

Typical Equipment List:
4G Equipment: Ericsson 220x, 440x | Nokia AHFB, AHIB, AZQC, AZRB | Samsung RT-2201, RT-4401 | Various Cantenna Options

Top Mount Shrouds

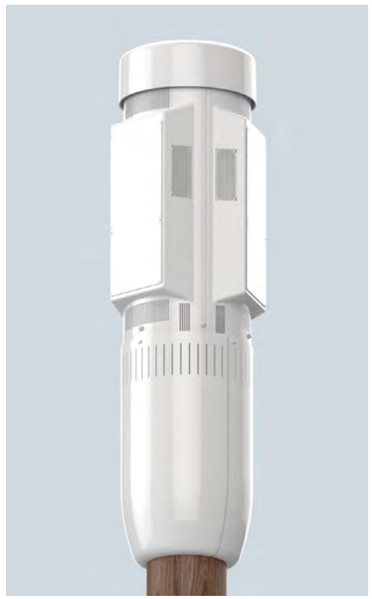
16” Diameter Shroud Solutions

Comptek offers several standard solutions to adapt our Top Mount Shrouds to existing infrastructure, such as Traffic Signal Poles and Wood Poles. All of the mounting solutions shown below are compatible with all of the 4G and 5G Ø16” Shroud Solutions shown on the previous pages.

- Mounts to existing poles with minimal modification and easy installation
- Full 360° azimuth adjustability
- Structurally and aesthetically optimized design

Traffic Pole Side Arm Mount

Traffic Pole Top Mount



Wood Pole Top Mount

Top Mount Shrouds

16” Diameter Shroud Solutions

Traffic Pole Side Arm Mount

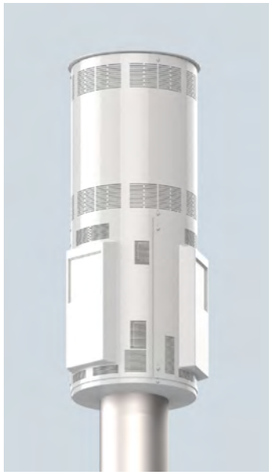
Traffic Pole Top Mount

Wood Pole Top Mount

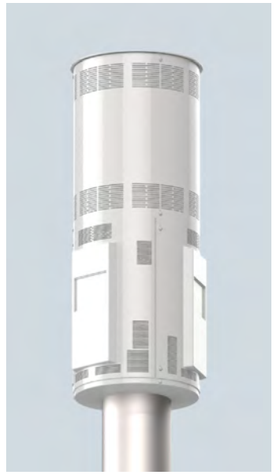
Top Mount Shrouds

23” Diameter Shroud Solutions

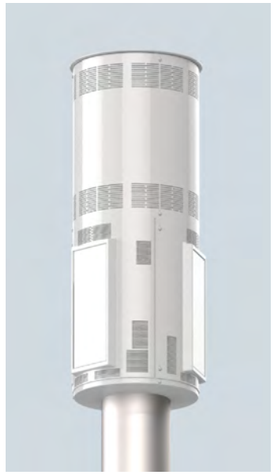
4G and 5G pole top shroud conceals all antennas and radios in the shortest form factor available making it ideal for height restricted jurisdictions. The shroud system is designed and manufactured to thermally manage three 5G AIRs (Antenna Integrated Radios), three 4G radios, and a 4G cantenna. The 23” Diameter Shroud Solution is available in both a standard and lightweight variation depending on client’s needs.



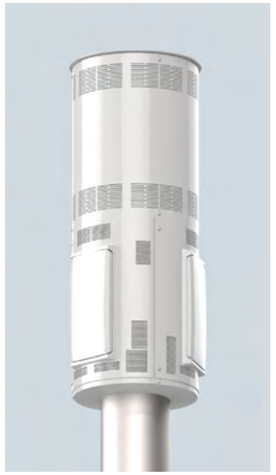
Ericsson 6705



Ericsson 1281



Ericsson 1652 (C-Band)



Samsung AT1K0x

Typical Equipment List:
5G Equipment: Ericsson 6705, 6701, 1281, 1652 (C-Band) | Samsung AT1K0x
4G Equipment: Ericsson 220x, 440x | Various Cantenna Options

4G-5G Top Mount Shroud on Fluted Support Pole

- Supports combined 4G and 5G with an overall height of 60 inches
- Advanced thermal management
- Lightweight variation weighs less than 230lbs, fully loaded, for weight-restricted streetlight assets
- Low wind profile (EPA)

Modular Side Mount Shrouds

Standard Profile

Modular Side Mount Shrouds on Round Support Pole

Ericsson 6705

Ericsson 1281

Ericsson 1652 (C-Band)

Samsung AT1K0x

Comptek's 5G modular side mount shrouds can be rapidly deployed as a single or a multi-sector configuration onto new poles, traffic signal poles, wood poles, and more. The patent pending airflow duct system manages the equipment's heat output. All cabling is fully concealed within the shroud and mounting bracketry. These shrouds may be ordered with color-matched 3M vinyl film or an RF transparent window panel.

Typical Equipment List:
Ericsson 6705, 6701, 1281, 1652 (C-Band) | Samsung AT1K0x

Modular Side Mount Shrouds

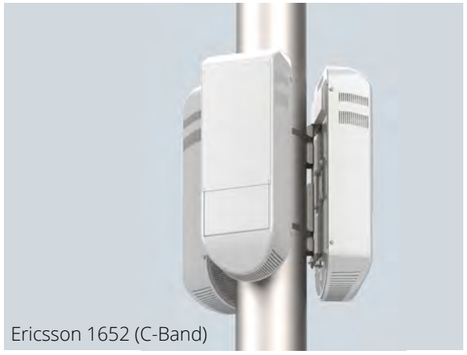
Low Profile

Comptek produces a Low Profile version of its Modular Side Mount Shrouds that encompass a smaller volume and overall dimensions than the Standard Profile shrouds. With a smaller footprint, these shrouds may be preferred to meet specific city requirements where needed. These shrouds may be ordered with color-matched 3M vinyl film or RF transparent window panel.

Low Profile Modular Side Mount Shrouds on Round Support Pole

Ericsson 6705

Ericsson 1281



Ericsson 1652 (C-Band)

Typical Equipment List:
Ericsson 6705, 6701, 1281, 1652 (C-Band)

Modular Side Mount Shrouds

Mounting Bracket Options

Comptek manufactures several mounting brackets to adapt the Modular Side Mount Shrouds to any new or existing pole. All side mount shrouds may be used universally with any of the mounting brackets shown below. Comptek standard mounting brackets are shown here for example, but other mounting solutions (wood pole, small diameter pipe, tapered pole, etc.) are available upon request.

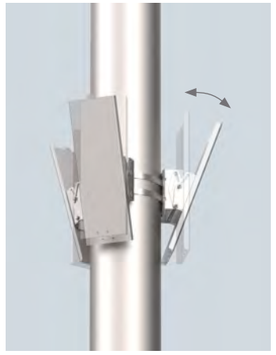
Round Pole Bracket:
- Mounts to new or existing round poles between 3.5″ and 24.0″ diameter
- Full 360° azimuth adjustability

Octagonal Pole Bracket:
- Mounts to Comptek-provided 9″ flat-to-flat octagonal poles
- Full 360° azimuth adjustability

Round Pole Downtilt Bracket:
- Mounts to new or existing round poles between 6.62″ and 24.0″ diameter
- Downtilt range is between 0° and 20°
- Full 360° azimuth adjustability

Round Pole Bracket

Octagonal Pole Bracket



Round Pole Downtilt Bracket

Backpacks

Low-Power Housing

- Externally attaches to new or existing poles, wood poles, and traffic signals
- Cables concealed by decorative shrouding
- Strap mounted brackets allow modular 360° mounting to various pole diameters
- RF transparent shrouding is compatible with integrated panel antennas

Shown Above with 3x Ericsson 220x/440x Radios

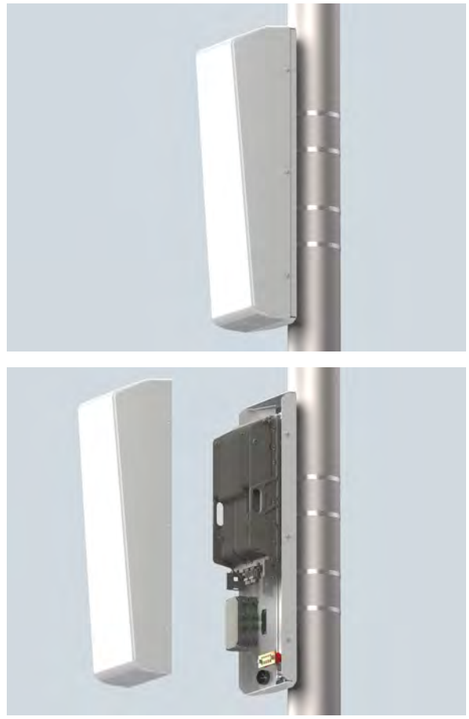
Low-Power Backpack on Existing Round Pole

Typical Equipment List:
Ericsson 220x, 440x, 4435 (C-Band), 6387, 6585 | Nokia AHFB, AHIB, AZQC, AZRB | Samsung RT-2201, RT-4401

Backpacks

Mid-Power Housing

The Mid-Power Backpack maintains all of the same features as the Low-Power Backpack on the previous page, but with additional capacity to house larger mid-power 4G equipment, as shown in the equipment table below.



Shown Above with Nokia AHLBBA Radio & Diplexers

Mid-Power Backpack on Round Support Pole with Base Cabinet

Typical Equipment List - *includes all equipment from Low-Power Housing:*
Ericsson 4455, 6302, 6389, 8863 (C-Band) | Nokia AHBCA, AHFIA, AHFIC, AHLBBA | Samsung RF4402D | Delta DPR1800B/2000B

Backpacks

High-Power Housing

Comptek also offers a High-Power Backpack with extra internal volume to accommodate high-power radios or multiple low-powered radios as shown in the equipment table below.

Shown Above with Ericsson 8843 & 220x/440x Radios

High-Power Backpack on Round Support Pole

Typical Equipment List - *includes all equipment from Low-Power and Mid-Power Housings:*
Ericsson 4449, 8843 | Samsung RFV01U

Accessories

Transition Shrouds

Comptek provides several decorative transition shroud options for aesthetic purposes and to meet jurisdictional requirements when needed. Below are a few types of transition shrouds available through Comptek Technologies and Comptek's alliance partners (Hapco, South Coast Lighting & Design, etc.). The list is non-exclusive and other options are available upon request.

Antenna Shrouds

Base Cabinet Shrouds

Ground Shrouds

Wishbone Arm

Rise Options
30″, 60″, 90″

Reach Options
10′, 12′

Cobra Arm

Rise Options
18″, 24″, 30″, 36″, 42″

Reach Options
4′, 6′, 8′, 10′, 12′, 15′

Suspended Arm

Rise Options
48″

Reach Options
10′, 12′, 14′

Faux-Tapered Cobra Arm

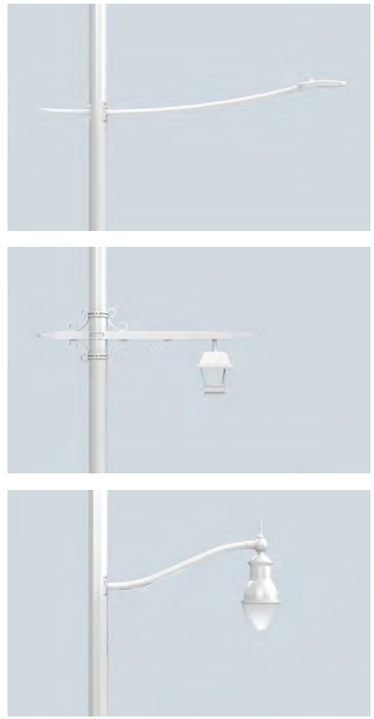
Rise Options
18″, 24″, 30″, 36″, 42″

Reach Options
4′, 6′, 8′, 10′, 12′, 15′

Comptek offers several standard light arm options for all applications, such as residential and commercial. Standard options are shown, but custom options for style, rise, and reach are available upon request via manufacturing or procurement. Comptek has the ability to engineer it's poles to accommodate existing light arms and attachment methods.

Residential Arms

Decorative Arms



Davit Arms

Main features include:

- Single and dual arm configurations available
- Compatible with standard industry luminiaires
- All light arms are structurally verified and optimized for performance

Multi-Tenant Solutions

Link5G, 5-Tenant, Low to Mid Power

The Link5G is a one-of-a-kind Multi-Tenant structure with the ability to host up to 5 wireless carriers. The 5 upper transmission bays can be configured with a wide variety of RF transparent materials suitable for mmWave, C-Band, and various 4G panel antennas. The 4 lower equipment bays and 2 utility bays can house many types of 4G radios and standard utility equipment.

- Flexible azimuth control for dense urban environments
- Thermally managed transmission bays with integrated ducting
- Pre-configured with utility and grounding hookups, busbars in each bay, conduit routing, and junction boxes
- Multi-level smart security features

Developed in partnership with ZenFi and CityBridge, the Link5G integrates additional IoT technologies for public wifi, emergency calling, and optional digital advertising.

Typical Equipment List:

5G Equipment:
- Ericsson 6705, 6701, 5322, 1281, 1652 (C-Band)
- Nokia AEUD/E, AEWD/E
- Samsung AT1K0x

4G Equipment:
- Ericsson 220x, 440x, 4455, 6302, 6387, 6389, 6585, 8863 (C-Band)
- Nokia AHFB, AHIB, AZQC, AZRB
- Samsung RT-2201, RT-4401
- Delta DPR1800B, DPR2000B
- Various Panel Antenna Options

Link5G Multi-Tenant Pole with Optional Ad Display

Multi-Tenant Solutions

3-Tenant, Low to Mid Power

Ø14.0” Multi-Tenant Pole with Dual Cobra Light Arms

The Comptek Technologies Multi-Tenant pole system is a flexible concealment structure that provides neutral host providers with multiple locations for carriers and varying technology configurations. The system is designed and manufactured to thermally manage wireless equipment, including 5G, 4G, CBRS, LAA, and C-Band.

- Supports multiple tenants and technologies
- Reduces pole proliferation
- Pre-wiring available
- Advanced thermal management
- RF transparent shroud design
- Modular and flexible
- Potential service hub for IoT

Typical Equipment List:

5G Equipment:

- Ericsson 6705, 6701, 1281, 1652 (C-Band)
- Nokia AEUD/E, AEWD/E
- Samsung AT1K0x

4G Equipment:

- Ericsson 220x, 440x, 6302, 6387, 6389, 6585, 8863 (C-Band - only fits in upper Equipment Bay)
- Nokia AHFB, AHIB, AZQC, AZRB
- Samsung RT-2201, RT-4401
- Delta DPR1800B, DPR2000B
- Various Cantenna Options

Multi-Tenant Solutions

2-Tenant, Low Power

This Multi-Tenant solution is built from Comptek’s suite of modular components and is an example configuration shown for reference. All of Comptek’s products are configurable with each other and additional modular components may be added for increased capacity.

Typical Equipment List:

5G Equipment:

- Ericsson 6705, 6701, 1281, 1652 (C-Band)
- Nokia AEUD/E, AEWD/E
- Samsung AT1K0x

4G Equipment:

- Ericsson 220x, 440x, 6387, 6389, 6585
- Nokia AHFB, AHIB, AZQC, AZRB
- Samsung RT-2201, RT-4401
- Various Cantenna Options

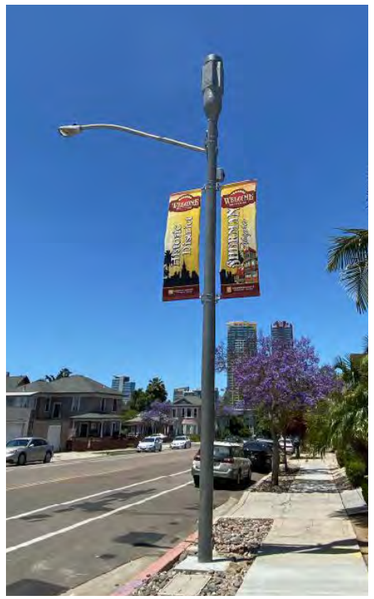
Ø12.75” Multi-Tenant Pole with Faux-Tapered Cobra Light Arm

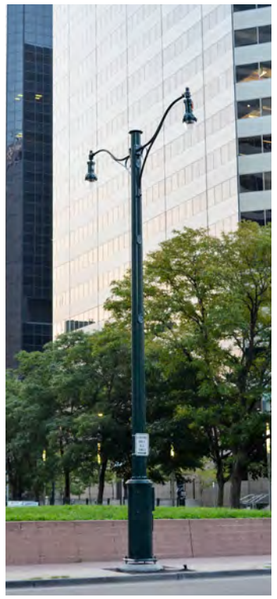
Pole Examples / Gallery

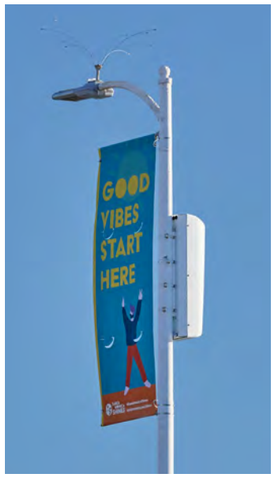


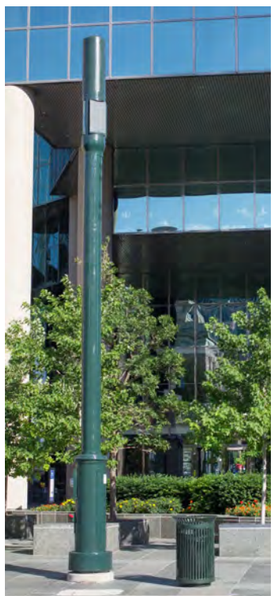






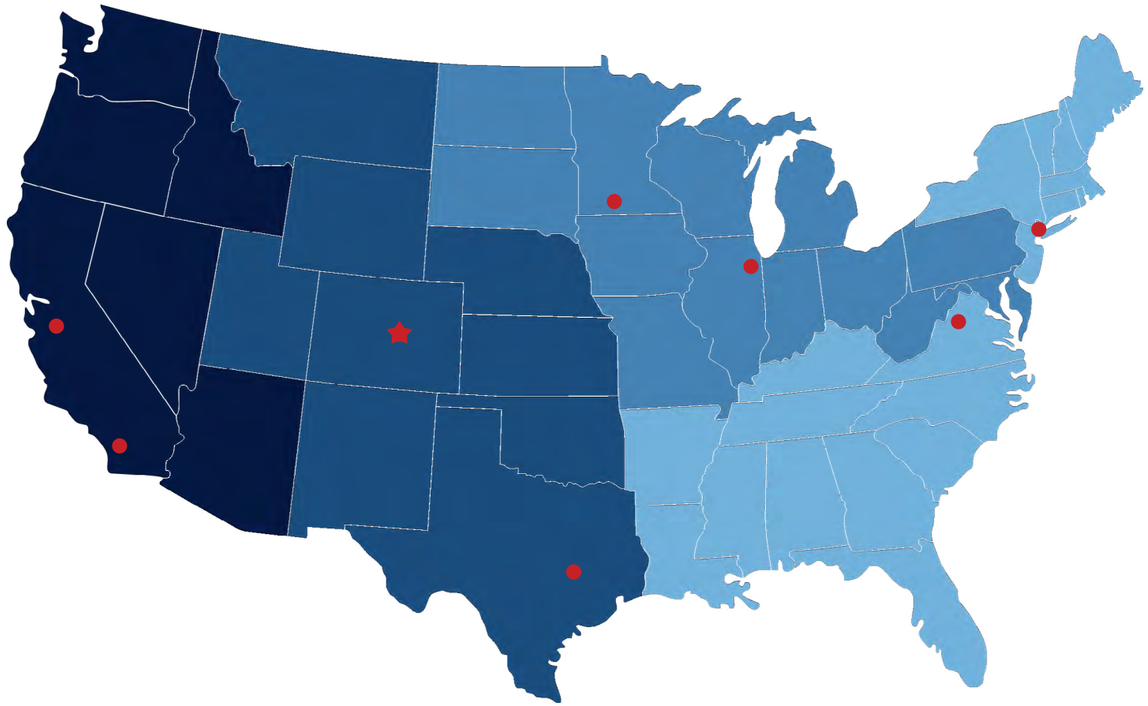






Contact Information

Sales Representatives & Office Locations



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