

Underground & Overhead Distribution • Fiber Optics  
**Power & Communications Group**

*Project Summary*



## Hypower Inc.

Hypower's Power & Communications Group specializes in the installation of underground power, overhead FOC telecommunication infrastructure, large ductbank systems, WI-FI and DAS systems. We are uniquely qualified to assist utility companies, municipalities & developers expand power and communications facilities. Hypower's resources include experienced project managers & an extensive equipment fleet. Our four Business Groups provide expertise providing an extraordinary level of efficiency and innovation. The Hypower team of highly specialized and trained engineers, technicians and professionals are specifically prepared to meet network development needs regardless of complexity, location or technology. We are available day or night for emergency restoration and disaster recovery.



### Communications Outside Plant Construction

- Underground Conduit Placement
- Trenching
- Plowing
- Directional Drilling
- All Diameter Bores
- Jack and Bore
- Splicing
  - Fiber
  - Coax
  - Copper
- Manhole Placement
- Aerial Construction
- Cell Site Construction
- Maintenance Contracts
- Emergency Restoration
- Project Management

### Outside Plant Engineering

- Route Analysis & Conceptual Design
- Permitting, Private Easements
- Drawings
- Plan & Profile Construction
- Signed & Sealed
- Inspection Services

*From Planning to  
Installation: Guided  
by Innovation, Safety,  
Quality & Productivity-*

*Hypower has continually  
proven to be*

***"One Company.  
Powerful Solutions"***

### Power

- Trenching
- Medium Voltage Wire Placement
- Cable Splicing/Installations
- Full Overhead to Underground Conversions of Power
- Manhole Placement
- Duct Bank Infrastructure Installation
- Switch, Transformer, and Junction Box installations
- Directional Drilling

### 4kV to 34.5kV

- Aerial Fiber
- Emergency Restoration
- Maintenance
- New Construction
- Street Lighting
- Design & Field Engineering



Communications

Distribution





### Eric Paul-Hus

Eric is a hands-on VP who is on-site to ensure that Hypower's reputation for quality is uncompromised. Leading by example, Eric has the know-how and the experience to deliver projects on time and on budget.

Senior Vice President



### Raymond McCorkel

Ray's 30 year background in the utility construction field includes a solid foundation in aerial & underground construction. He has extensive experience in long haul fiber, metro builds, Homeland Security, Disaster Recovery, and Ductbank construction.

Vice President of Communications



### John Zoerhoff

John manages the Underground Power Division. John works directly on a face to face basis with the client, insuring consistent, reliable service and planning. He applies his extensive experience to avoid obstacles and offers quick resolution

Power Division Manager

## Hypower Differentiators

### Quality

#### At Hypower, Quality Begins & Ends With Our Customers

Our objectives are clear:

To be recognized as the industry's "Best in Class", reflected by high quality, cost effective delivery of products & services.

To reach this level of quality, Hypower emphasizes the identification, documentation & enterprise-wide implementation of Best Practices. Integration of continuous process improvement into everyday execution is accomplished through formal Lesson Learned analyses. Chartered Safety, Supervisor, & Leadership Academies foster "Best in Class" performance.

#### Key Components of Quality- The Hypower Way

- Customer Focused
- Results Driven
- Employee Involvement
- Leadership Development
- Employee Involvement
- Cost Containment Processes:

### Safety/EMR

#### Our EMR for 2014 is .81

Hypower takes a proactive role in employee & public safety. Our corporate culture includes an extraordinary emphasis on safety & loss prevention. Hypower's full-time Safety Director administers our time-tested, proven safety policies & procedures. As our most valuable asset, Hypower invests in our employees by providing them with the tools, training, guidance, & the methods required to work safely & productively each & every day.

## Resources

### Properly Licensed

Our staff includes:

- Unlimited Electrical Contractor
- Unlimited General Contractor
- Unlimited Utility Contractor
- FL State PE
- Licenses in 28 States

### Equipment

Hypower's multi-million dollar investment in a state of the art Heavy Equipment & Truck Fleet ensures our ability to facilitate each and every project. Proper maintenance & care with experienced operators enable on time & on budget project & delivery.



## Project Showcase



### FAU Stadium Duct Bank Extension Boca Raton, FL

Hypower furnished & installed the electrical ducts system which included: 3,300 ft of ductbank (ducts are concrete encased with Schedule 80 PVC), temporary electric power, excavation, compaction and survey of trench line, flow-able fill at road crossings, new transformers and switches, stadium switch placed on switch chamber and transformers, precast concrete pads, conduit future stadium transformer, manholes, switch chamber and transformer pads, cable, parallel feeders, to the two stadium transformers.



Smart City  
Orlando, Florida  
4 Mile design-build, fiber to the cell site



Ave Maria Central Energy Plant  
Immokalee, Florida



Verizon FTTP  
Pennsylvania & Delaware  
Innerduct, fiber, handholds, throughout the Eastern counties of Pennsylvania and the entire state of Delaware.



## Project Showcase

### Allied Fiber Phase 2 Atlanta GA to Miami, FL

Hypower was contracted to build approximately 800 miles fiber and 11 co-location sites in Jacksonville, Palm Coast, Edgewater, Melbourne, Jensen Beach, Lake Worth.

- Fiber Count: 528 ,432, and 216
- Allied Fiber CoLos located throughout Florida and Georgia
- Power: 150kw Protected AC & DC Power, Backup Generator, HVAC



City Center  
West Palm Beach, FL  
Duct Bank System Around City Center In Downtown WPB  
Incorporating & Jack & Bore Across FEC Railway



FPL Fibernet  
Various Locations, Florida  
Numerous projects since 2006, totaling over \$30 million  
in completed work.



FP&L FiberNet  
Broward, Dade and Lee Counties, Florida  
300 Miles of (4) each 1.5" conduits with aerial strand  
placement throughout Broward, Dade,  
Palm Beach, and Lee County.



### Dover Air Force Base Phase 1 Dover Air Force Base, DE

Relocation of overhead electrical to underground. Scope included:

- Removal of existing 15kv overhead primary and placed it underground
- Demolition of the existing 15kv overhead primary
- Provided and installed 21,000 circuit feet of 400 MCM 15kv cable with directional boring
- Provided and installed 5 new 600amp 15kv 4way pad mounted switches
- Provided and installed 14 new 4-way above ground terminal cabinets
- Provided and installed 1 new 75 kVA pad mounted transformer
- Provided and installed 5 new 25 kVA pad mounted transformers
- Completed 300+ 15kv cable terminations
- Reworked 18 building services from 1000 kva to 200 kVA
- Provided and installed 36 new street lights transformers



Terminal 18 at Port Everglades  
Fort Lauderdale, Florida  
Installation of 200+ Security Cameras, Conduit & Cat5 Cabling, Fiber Optic Cable, Network Switches & Nodes, Bridge Electrical Work



Lime Substation Interconnect  
Sarasota, FL  
Installed Duct Bank Infrastructure for the City of Sarasota included total 1000 KCMIL Copper Conductor installation in conjunction with an inter-city infrastructure upgrade & Loop Tie between substations.



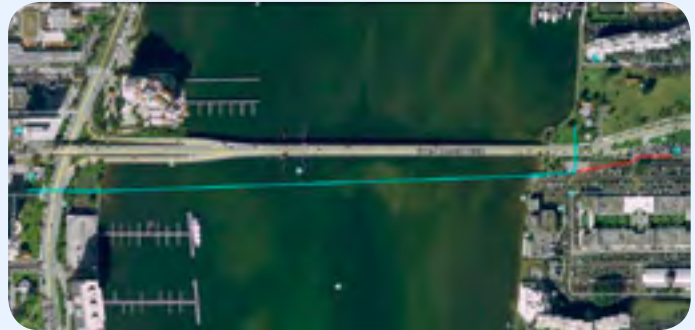
Robert's Bay Cable & Directional Bore  
Venice, FL  
Directional Bores, 1000 MCM Cable Was Placed



## Project Showcase

### LCEC/Cape Coral Cape Coral, Florida

Hypower installed 4500 LF of concrete encased duct-bank through the Future City Center Improvement area of Cape Coral, Florida as part of an underground design-build project.



Flagler Memorial Bridge Bore Crossing  
West Palm Beach, Florida  
Hypower forces expertly drilled a 2,500 LF directional Bore under the Intracoastal Waterway



Florida Atlantic University Infrastructure Improvements  
Boca Raton, Florida  
Hypower installed 7,000 feet of concrete encased duct bank from substation to the new chiller building



Village at Gulfstream  
Hallandale, FL  
Combination of Distribution / 12 way duct banks

## Hypower Power Distribution Projects

Project	Location	Description
Town of Gulfstream	Gulfstream, FL	<ul style="list-style-type: none"> <li>Conversion of utilities for FPL, ATT Comcast from overhead to underground</li> <li>2013-2014</li> </ul>
Market and Fronton	Miami, FL	<ul style="list-style-type: none"> <li>ROW Power Distribution Duct Bank Utility Work</li> <li>2013-2014</li> </ul>
Wilcox CSX RR Crossing	Miami, FL	<ul style="list-style-type: none"> <li>Directional Bore &amp; Tie-In</li> <li>2013</li> </ul>
Everglades Island	Palm Beach, FL	<ul style="list-style-type: none"> <li>OH - UG Conversion, Bore, Trench, Cable</li> <li>2012</li> </ul>
FAU Blvd. IRM (w/ 7043)	Boca Raton, FL	<ul style="list-style-type: none"> <li>Direct Buried Duct bank</li> <li>Install IRM, FPL, ATT &amp; COM</li> <li>2011-2012</li> </ul>
Capri Feeder	Bonita Springs, FL	<ul style="list-style-type: none"> <li>Directional Bore, Splice Boxes &amp; Cable Install</li> <li>2012</li> </ul>
FPL Feeder Upgrades	West Palm Beach, FL	<ul style="list-style-type: none"> <li>2011-2012</li> </ul>
Florida Atlantic University Stadium	Boca Raton, FL	<ul style="list-style-type: none"> <li>3,300 ft. duct bank provide material, install duct and cable, transformers and switches</li> <li>2012</li> </ul>
Dover Air Force Base	Delaware	<ul style="list-style-type: none"> <li>Bury overhead electrical to underground</li> <li>2010-2013</li> </ul>
Flagler Memorial Bridge Crossing	West Palm Beach, FL	<ul style="list-style-type: none"> <li>Directional Bore 2,500' across Intracoastal Waterway, trench 500' across Royal Poinciana Blvd. Install cable, 2 transformers and switch cabinet, demo existing infrastructure</li> <li>2010-2012</li> </ul>
Distribution Line Storm Work	AR, LA, MS, TX	<ul style="list-style-type: none"> <li>AR, LA, MS, TX service territory</li> <li>2012-2013</li> </ul>
Cape Coral Transmission	Cape Coral, FL	<ul style="list-style-type: none"> <li>Design - build duct bank, manholes and cable</li> <li>138 KV Underground Transmission</li> <li>2010-2012</li> </ul>



## Hypower Power Distribution Projects

Project	Location	Description
MIL-CON Overhead 15kV Feeders	Merritt Island, FL	<ul style="list-style-type: none"> <li>Replace Overhead G Line And R Line 15kV Feeders</li> </ul>
Davie Blvd River Crossing	Fort Lauderdale, FL	<ul style="list-style-type: none"> <li>Directional Bore across the New River at the Davie Blvd Bridge Installation of 1000 KCMIL Copper Conductor and pole risers on each side</li> <li>2010</li> </ul>
FAU Infrastructure Improvements	Boca Raton, FL	<ul style="list-style-type: none"> <li>Concrete encased duct bank 7,000 feet from substation to new chiller building; 750 MCM copper cable Installation, 2 risers in substation, vista switches, switching to accommodate redirection of campus feeders</li> <li>2009-2011</li> </ul>
Port Everglades Terminal 18 Power and Telecommunication Feeds	Fort Lauderdale, FL	<ul style="list-style-type: none"> <li>Multiple Directional Bore and Trench Installations in conjunction with the Building of Terminal 18 for the arrival of Carnival's largest Cruise Ship</li> <li>2009-2010</li> </ul>
Northeast Substation	St. Petersburg, FL	<ul style="list-style-type: none"> <li>Concrete encased 8" multi duct bank in new substation</li> </ul>
Hutchinson Island	Jenson Beach, FL	<ul style="list-style-type: none"> <li>Directional bore 6 way 6" duct bank, 13 manholes along east side of A1A, redirect AT&amp;T line</li> <li>2008-2010</li> </ul>
University of Miami Utility Design Academic Building Power Duct Bank	Miami, FL	<ul style="list-style-type: none"> <li>Telecom concrete encased trench duct bank and manholes</li> <li>2008-2009</li> </ul>
Robert's Bay Crossing	Venice, FL	<ul style="list-style-type: none"> <li>Directional bore, plow/dredge and cable installation across water body; 1000 MCM copper cable spliced on barges and submerged</li> <li>2008-2009</li> </ul>
Village @ Gulfstream Infrastructure Improvements	Hallandale, FL	<ul style="list-style-type: none"> <li>Transmission, distribution, primary and ATT duct bank installations throughout the property in conjunction with development build out including residential, recreational, restaurant and shopping areas</li> <li>2008-2011</li> </ul>
PBCC Science & Technology Building Power Feeder Installation	West Palm Beach, FL	<ul style="list-style-type: none"> <li>Concrete encased duct bank, transformer and switch installation, high voltage cable installation, ATS installation and programming</li> <li>2008</li> </ul>
Marymount Substation	Boca Raton, FL	<ul style="list-style-type: none"> <li>Concrete encased duct bank installation in conjunction with large development contract</li> <li>2007</li> </ul>
City Center and Clematis Garage	West Palm Beach, FL	<ul style="list-style-type: none"> <li>Placement of MH's and conduit for several different utilities (FPL, ATT, Peoples Gas) in downtown West Palm Beach</li> <li>Organized utility consortium to minimize construction in downtown area by doing joint trench venture</li> <li>2009</li> </ul>

## Hypower Communications Projects

Project	Location	Description
Allied Fiber-Phase 2	Atlanta to Miami, FL	<ul style="list-style-type: none"> <li>Atlanta to Miami, approximately 800 miles fiber and build 14 co-location sites with a landing site in Jacksonville</li> <li>2013- ongoing</li> </ul>
Velocitel R1717 Hickory Road	Petersburg, VA	<ul style="list-style-type: none"> <li>AT&amp;T LTE Upgrade</li> <li>2012</li> </ul>
FPL/Fibernet	Various Locations: Venice, North Port , Sarasota, FL	<ul style="list-style-type: none"> <li>Outside plant fiber build;FTTCS</li> <li>2012-2013</li> </ul>
FPL/Fibernet MSA	Various Florida Locations	<ul style="list-style-type: none"> <li>Installation of fiber optic network backbone and lateral conduit and cable; 2014</li> </ul>
Four Points MacDill Air Force Base	Tampa, FL	<ul style="list-style-type: none"> <li>Replacing and relocating fiber optic cable and placing copper cable to new facilities; 2011-2013</li> </ul>
FPL/Fibernet	Various Florida Locations	<ul style="list-style-type: none"> <li>Installation of fiber optic network backbone and lateral conduit and cable</li> <li>2012</li> </ul>
TMP-002312 Tampa Tower Locations	Tampa, FL	<ul style="list-style-type: none"> <li>Fiber optic lateral BB to the property line of 36 sites from the existing FPL BB</li> <li>2012</li> </ul>
Level 3-Communications	Tampa, FL	<ul style="list-style-type: none"> <li>Gunn Highway</li> <li>Pasco County Road Improvements fiber optic cable relocation project; 2012</li> <li>Lois Avenue</li> <li>City of Tampa road improvements fiber optic cable relocation project; 2012</li> <li>Sunrise, FL, I595 from Hiatus Road to Nob Hill Road; 2012</li> </ul>
Four Points Shaw Air Force Base	Sumter, SC	<ul style="list-style-type: none"> <li>Design build of fiber infrastructure; the repair and replace of underground fiber optic cable from B712 to Control Tower</li> <li>2012</li> </ul>
Four Points Charleston Air Force Base	Charleston, SC	<ul style="list-style-type: none"> <li>Fiber upgrades and infrastructure upgrades for the installation of fiber for security cameras In</li> <li>2011</li> </ul>
Smart City – Crown Castle	Orlando, FL	<ul style="list-style-type: none"> <li>This 64 Mile design-build is This 64 Mile design-build is a fiber to the cell site project, tying in all cell sites on Disney property with new fiber. This work is underground construction on both DOT right of way and Disney property; 2012</li> </ul>



## Hypower Communications Projects

FPL FiberNet	Naples/Fort Myers, FL	<ul style="list-style-type: none"> <li>• Installation of over 300 miles of fiber optic network backbone and lateral conduit and cable installation connecting over 200 cell towers for cellular providers</li> <li>• 2012 -2013</li> </ul>
Indiana Telehealth Network Green County Hospital	Linton, IN	<ul style="list-style-type: none"> <li>• Backbone fiber to connect Hospitals in the areas to a state wide WAN</li> <li>• 2011- Ongoing</li> </ul>
AT&T IFL236	Hollywood, FL	<ul style="list-style-type: none"> <li>• Placement of 2 each 4" HDPE via directional bore on A1A for approximately 11,070' providing future fiber optic network connectivity to other existing infrastructure</li> </ul>
AT&T 1E850065N	Broward County, FL	<ul style="list-style-type: none"> <li>• Conduit reinforcement</li> <li>• 2012</li> </ul>
AT&T IFL233	Hallendale Beach, FL	<ul style="list-style-type: none"> <li>• Placement of 2 each 4" HPDE via directional bore on A1A for approximately 6,250' providing future fiber optic network connectivity to future infrastructure</li> </ul>
AT&T IFL211	Miami, FL	<ul style="list-style-type: none"> <li>• Placement of 3 each 4" HPDE via directional bore with manhole connectivity in paved surfaces on SR A1A in Hallendale Beach</li> </ul>
FP&L Fibernet Broward County Metro	Broward County, FL	<ul style="list-style-type: none"> <li>• Placement of 3 ea 1 1/2" conduits with 432 count fiber placed in pipe. Cell tower connectivity to FP&amp;L Fibernet existing fiber backbone; 2012</li> </ul>
City of Weston Fiber Optic Infrastructure Project	Weston, FL	<ul style="list-style-type: none"> <li>• Placement of 1 each micro-duct pipe with a 96 count fiber optic cable encased in it between</li> <li>• 2009-2011</li> </ul>
Verizon FTTP DE	Delaware	<ul style="list-style-type: none"> <li>• Placement of a single 1 1/4" HDPE pipe via directional bore, plow, and trench methods for FiOS project</li> <li>• 2009-2010</li> </ul>
FPL/FN Broward Laterals	Broward County, FL	<ul style="list-style-type: none"> <li>• Outside plant lateral fiber to the cell site builds in Broward County</li> <li>• 2010</li> </ul>
FPL/FN Broward Backbone	Metro Broward County, FL	<ul style="list-style-type: none"> <li>• Outside plant fiber to the cell site</li> </ul>

## References

"I was with the inspector in Ft. Pierce on Wednesday morning and would like to paraphrase some of his comments during the inspection: 1. The Highest Quality work he has seen in a commercial installation for many years; 2. A high level Expertise in electrical installation is apparent; 3. Attention to detail is obvious; During the inspection the Inspector raised some questions of which I could not answer so I reached out to Tom Budkey who spoke with authority and courtesy and satisfied the inspector with his responses. The inspector was extremely complementary towards Tom and the manner in which he responded to him showing the utmost respect at all times. Again another great example of the first class representation Tom provides not only to HYPOWER but also as the leading edge of the Allied Fiber Network build. Many thanks for the high standards and it is a pleasure to work with such good professionals! Cheers,"



Andrew Thompson  
Director, Colocation Operations  
Allied Fiber, LLC

"LCEC awarded two consecutive contracts to Hypower, Inc. , 2009-T-01 and 2010-T-01, based on their ability and price. Both of the contracts entailed the same scope of work, which included working through some of Southwest Florida's more environmentally sensitive areas. The project passed through the western edge of the Everglades National Park, The Florida Panther National Wildlife Refuge and the U.S. National Park Service along Hwy 29. These two contracts proved to be very difficult due to the environmental concerns. However Hypower was able to conquer all hurdles that nature could throw at them. The project consisted of changing out 59 two-pole structures with concrete two-pole structures on an energized 138kV transmission line with 14kV distribution underbuild. The Department of Environmental Protection and Army Corps of Engineers set very stringent permit regulations, which were followed to the letter. The two contracts were completed without any issues and LCEC would gladly have them back on our system in the future."

Jeffrey J. Slaybaugh Jr.  
Transmission Construction  
Coord/Project Mgr.



"I am writing this letter to comment on the outstanding performance of John Zoerhof (Hypower Project Manager) on some recent sensitive projects. ... John's influence was evident in the team that ultimately performed the construction activities. The bore was placed underneath the waterway to depths of 100', reamed numerous times to the correct circumference and the product fused and pulled back without incident. While they did encounter some unidentified utilities in the path of the physical duct bank and manhole placement on the upland areas, all were able to be accommodated and no loss of service or damage to any utility occurred. All conductors were installed, tested and the switching order to put them in service was carried out seamlessly. All in all, projects that might have been very complex were made to seem as nothing out of the ordinary for this group. And that is a relief when you are in the position of engineering the types of large scale projects I am frequently charged with managing."

Eliud "Eli" Perez  
Engineering Leader  
Florida Power and Light



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