VIRTUAL DESIGN AND CONSTRUCTION

Summary
Virtual Design and Construction Capabilities

Hypower's Approach to VDC

For almost a decade now, Hypower has utilized the use of Virtual Design and Construction (VDC) to deliver better results to our customers. Focusing on the triad of time-budget-cost, Hypower utilizes Building Information Modeling (BIM) software, like Navisworks, AutoCAD MEP and Revit MEP (including versions 2013 through 2017), to ensure that all construction and design conflicts are resolved during pre-construction. Rework and scheduling delays are prevented while the coordination of subcontractors is streamlined.

From design to project completion and at every milestone in a project's life-cycle, VDC provides vital information that enables our clients to make informed choices. The initial setup, logistics, visualization, quality control and delivery process become more efficient and improve our customers’ experience throughout the life of the project. Using VDC creates a comprehensive work plan, where every trade, structural and architectural, mechanical, electrical and plumbing, is in sync and works as one, cohesive unit. VDC also promotes better safety practices; as well informed workers make fewer trips, are more productive, and are able to focus on installation. VDC also allows our customers and their construction team to see the impact of proposed design changes before any materials or financial resources are committed. In short, VDC helps create more accurate construction documents and more importantly, saves money.

Hypower’s wealth of experience using VDC has enabled us to deliver higher quality projects at the same competitive price for our customers. We continue to be at the forefront of innovation and technology, implementing data-driven designs and modeling tools that assure our customers the highest quality project with maximum efficiency.

Hypower’s turnkey service - from Virtual Design and Construction/BIM and prefabrication capabilities to 24/7 electrical service and repair for any electrical systems, bring tremendous value to our clients. With a workforce of approximately 500, Hypower boasts more state licensed electricians than any of our direct merit shop competitors.

**Hypower currently employs more than 15 dedicated VDC/BIM Specialists**

**Prefabrication** can be done in a controlled environment at our Prefabrication facility or in a controlled environment on a job site. These pre-assembled products allow us to meet and exceed customer’s project schedules, control job site waste and improve the quality of the project overall. This practice is a part of our standard electrical construction means and methods.
Some of our recent VDC/BIM Coordinated Projects

Project Beacon - NBC Universal Telemundo Headquarters
- **Square footage:** 450,000
- **Completion Date:** December 2017
- **Value:** $27,000,000, exclusive of major materials
- **Scope:** VDC/BIM Coordinated Project. All electrical work - Division 16 and fire alarm system.
- **Description:** This facility will host Telemundo Network, Telemundo Studios, Telemundo International, the cable network NBC Universo and all of the company’s digital media operations. The building, which will include an additional 100,000 square feet of warehouse space, costs approximately $250 million, one of the largest investments in a broadcast facility in South Florida history.

Hollywood Circle
- **Square footage:** 1,244,000
- **Completion Date:** March, 2018
- **Value:** $8,500,000
- **Scope:** VDC/BIM Coordinated Project. All electrical work - Division 16 and fire alarm system.
- **Description:** Three-tower mixed-use project in downtown Hollywood, FL. Hollywood Circle will have 397 apartments, 104 room hotel, 60,846 square foot of retail, and a 240,000-square-foot parking structure. The towers are 11, 21 and 25 stories. There would be an 8th floor recreation deck for residents with a pool, club room and health club, plus a 12th floor recreation deck for hotel guests with a pool and bar.

All Aboard MiamiCentral Train Station and Office Building
- **Square footage:** 1,200,000
- **Completion Date:** March, 2018
- **Value:** $13,500,000
- **Scope:** VDC/BIM Coordinated Project. All electrical work - Division 16, fire alarm system, and low voltage
- **Description:** All Aboard Florida is one of the most advanced passenger rail systems in the United States. The Brightline train service will connect Orlando and Miami with in about three hours — 25 percent less time than when making the same trip by car. All Aboard Florida’s Brightline train will also stop in West Palm Beach and Fort Lauderdale. Service between West Palm Beach and Miami begins in 2017, with full-service from Orlando to Miami following later that year. It is estimated that the project will result in a total economic impact of $1.3 billion between 2014 and 2021.
Hypower’s Recent Awards:

2017 - ABC Excellence in Construction Awards - Pyramid Award Winner-All Aboard Florida Repair Facility – Complete Electrical Systems and Related Work- Electrical, $1 - 5 Million – Hypower Electrical Construction Group;
2017 - ABC Excellence in Construction Awards - Eagle Award Winner-All Aboard Florida – Design Build and Installation of Fiber Optic Communication Systems- Low Voltage Systems, More than $1 Million- Hypower Communications Group;
2017 - ABC Excellence in Construction Awards - Eagle Award Winner-Monet Cable Systems – Design Build Conduit, Subconduit and Cable Installation- Low Voltage Systems, Less than $1 Million- Hypower Communications Group;

2017 - South Florida Business Journal - Business of the Year Award;
2017 - Sunshine State Safety Recognition Award;
2016 - Associated Builders and Contractors (ABC) PLATINUM Safety Training Evaluation Process (STEP) Award;
2016 - ABC Excellence in Construction Awards -Eagle Award Winner- City Of Pembroke Pines – Conduit and Fiber Cabling Installation Project – Other Construction, Less than $10 Million- Hypower Power and Communications Group
2016 - ABC Excellence in Construction Awards - Pyramid Award Winner - Margaritaville Hollywood Beach Resort – Electrical, More than $10 Million – Hypower Electrical Construction Group
2016 - South Florida Business Journal - Structures Awards - Best Hospitality Project - Margaritaville Hollywood Beach Resort
2015 Associated Builders and Contractors (ABC) PLATINUM Safety Training Evaluation Process (STEP) Award

Hypower is Ranked 5th Largest Solar Installer In the USA

Hypower is Ranked 12th Largest Specialty Contractor in Florida

ENR TOP 600 Specialty Contractor 2017
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2017 - ABC Excellence in Construction Awards - Pyramid Award Winner - All Aboard Florida Repair Facility - Complete Electrical Systems and Related Work - Electrical, $1 - $5 Million - Hypower Electrical Construction Group;
2017 - ABC Excellence in Construction Awards - Eagle Award Winner - Three Thousand South Ocean Blvd, Residential Building - Furnish and Install New Electrical Systems - Electrical, Less than $1 Million - Hypower Electrical Service and Repair Group;
2017 - ABC Excellence in Construction Awards - Eagle Award Winner - All Aboard Florida - Design Build and Installation of Fiber Optic Communication Systems - Low Voltage Systems, More than $1 Million - Hypower Communications Group;
2017 - ABC Excellence in Construction Awards - Eagle Award Winner - Monet Cable Systems - Design Build - Conduit, Sub-conduit and Cable Installation - Low Voltage Systems, Less than $1 Million - Hypower Communications Group;
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www.hypowerinc.com/vdc

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