

9 June 2010

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## Alternative Energy Solutions Service Showcase

Z&F Consulting is prepared to answer any energy challenge. We remain at the forefront of the latest cogeneration technology with multiple installations, actually providing a return on investment, by selling surplus power back to the grid, while simultaneously meeting the Owner's growing energy needs. Energy Audits allow us to accurately benchmark energy use and effectively target the most practical investments for maximum savings. Here too, Z&F leads the industry. Our Energy audits focus on real time projected energy rates setting our energy audits as the most accurate in the industry. Our retro commissioning services have produced on-going savings by assuring the Building systems are operating at peak-efficiency and catching weak or worn-out equipment before a costly failure occurs. We continue to keep stride with the sustainable energy sources of solar, wind and hydro.

Z&F Consulting has the knowledge and experience to help make any energy project a reality.

## Geisinger Health System Project Profile

Z&F Consulting was recently awarded the design and engineering services for a 4.5 MW cogeneration plant at GHS in Danville, PA. Geisinger has maintained one of the most progressive "outside the box" energy strategies, and the new CoGen plant is yet another example adding to the growing list of innovative energy solutions. The new Cogen plant will utilize electric boilers to meet their off-peak minimum usage, chilled water storage, and wholesale market power purchasing. Z&F Consulting assisted GHS in acquiring a Green Energy Grant for \$2.3

Million for the project (nearly 50% of the entire budget). The application and project statistics were the #1 ranked in the state and was the highest percentage of project



REVIT 3D Model - Geisinger CoGen

costs awarded for any combustion turbine project. We have a perfect record of securing some level of funding for every Grant Application we have prepared or assisted in completing.

## **Sustainable Solutions**

### **Project Profile**

Z&F Consulting is teamed with Sustainable Solutions, Inc. to provide a Level 2 ASHRAE Energy Audit for a high-rise building at 667 Madison Avenue in New York City. A similar recent study for an apartment building in Montgomery County, PA, resulted in a total retro-fit of all the unit ventilators and controls with only a 3 year payback for retiring the project cost. The occupants now have a reliable and inexpensive climate control system providing year-round comfort.

## **Z&F Consulting News**

### **New Assignments**

- Commissioning
  - University of Pennsylvania School of Law
  - Lankenau Hospital
  - Widener University
  - Ocean City Schools
  - Cancer Treatment Centers of America
- Engineering
  - CarTech – Cogen Study
  - Blairwood PET-CT
  - Interline Brands Office Building
  - Doylestown Presbyterian Church
  - Woundcare Installations
    - Brandywine Hospital
    - Jennersville Hospital
    - Chestnut Hill Hospital
- Building Information Modeling (BIM)
  - Selinsgrove Toyota
  - Snyder Funeral Home
  - Wilmington VA Medical Center

### **Maryland Expansion**

Z&F Consulting has expanded their reach and opened a new office at:

124 Black Oak Drive  
Elkton, MD 21921  
410-392-2773 x 222

## **Welcome Aboard**

### **Personality Profile**

Victor F Pronesti, has joined Z&F Consulting as a senior Project Manager. He brings a 30-year career of experience deeply rooted in Healthcare, Pharmaceutical R&D, Data Centers and Major Corporate projects. Victor is a graduate of Temple University, with a B.S. in Mechanical Engineering, and an Associate Degree in Construction Technology from the Community College of Philadelphia.

Victor will mesh perfectly with the Z&F Philosophy. He is a practical engineer with the energy and drive needed to satisfy the client's needs while simultaneously delivering economical and buildable solutions. His understanding of the complete building process, combined with his practical experience, positions him perfectly to help us to continue to grow in the area of cost-effective and sustainable energy solutions. Victor can handle the most difficult engineering assignments and will build a following of new

relationships for the future.

### **Building Information Modeling Service Showcase**

Z&F Consulting is leading the charge in Building Information Modeling documentation in the Delaware Valley. We have made the investment in training for our CAD staff and now we are working in tandem with our architect clients to begin to fully implement BIM for all our projects. Modeling has dramatically decreased owner's change orders in the field and has raised the bar for design. We are now developing full scale 3D models of the building with every component, allowing for instant collision detection and containing all the materials labeled and in its place instead of simply 2D representations. The equipment information includes, manufacturer's data, energy and sustainability, security, traffic flow, etc. and it can all be included in the BIM model.



**REVIT 3D Model - Veterans Hospital  
Wilmington, DE**

Our investment can benefit the equipment manufacturers and suppliers as well. We are available to assist in providing the REVIT documentation to create the library for use by all the professionals specifying the equipment. We have the product knowledge and the technical expertise to create the BIM files to support the use of specific manufacturers.

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#### **Engineering Services**

Mechanical	Fire Protection	57 West Avenue
Electrical	Security	Wayne, PA 19087
Plumbing	Communications	610-995-2988
Commissioning	Design/Build	124 Black Oak Drive
		Elkton, MD 21921
		410-392-2773

[www.zfengr.com](http://www.zfengr.com)

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