

Energy Concepts

INTEGRATED ENERGY CONCEPTS ENGINEERING P.C.

MAR/APR '09

The leader in energy efficiency and energy conservation

ENERGY
CONCEPTS

Inside this Issue

Revit
ESL Headquarters
Energy Concepts Training



Online Campus
for
Professional Development
OSHA Certifications
Project Manager Certification
PE/LEED Prep

REVIT (tm)

Energy Concepts has taken the initiative to move towards the Building Information Modeling (BIM) design platform.

For those who are not familiar with the BIM approach to design, and to Revit specifically, this approach utilizes a database information approach to the design process.

Why does this matter? Revit allows engineers to design in-

tuitively, and significantly reduces coordination issues within a design team.

Energy Concepts has been tracking the BIM approach for years now, and it appears that the time for BIM has come. Prior, the tools and interface were not as functional as would be desired, and thus we had shelved the product for over a year. However, with the onset of Revit

2010, and the improvements to the product, we are actively training and working on projects on the platform.

It is our feeling that Revit will revolutionize the design approach in a similar manner to how CAD essentially eliminated the drafting board. It does not replace CAD yet.....but its close!

Energy Concepts On-Line Campus

Energy Concepts has just entered into an arrangement with RedVector, Inc. to provide on-line training to Employees.

The on-line campus allows employees to take UNLIMITED training courses on a variety of subject matters ranging from Engineering De-

sign, to Project Management, to Human Resources.

RedVector provides us with reporting of what courses have been completed which aids in the documentation of our required professional training.

More importantly though, to you, our clients, it provides ongoing training to employees so we can continuously improve our product.

This training, combined with the Revit effort, is testimony of our commitment to staying on the leading edge.

3445 Winton Place
Suite 102
Rochester, NY 14623

Phone: 585-272-4650
Fax: 585-272-4676

E-mail: jweinschreider@nrg-concepts.com

7841-B Cambridge Manor Place

Fort Meyers FL, 33907

Phone: (239)333-2222

Fax: (239) 852-5136

25 Chapel st
Suite 902

Brooklyn, NY 11201

Phone: 718-701-5754

Fax: 718-228-5154

E-mail: jweinschreider@nrg-concepts.com

ESL Federal Credit Union Headquarters

Construction continues on the ESL Headquarters in downtown Rochester, New York. Energy Concepts provided all of the HVAC, Plumbing and Electrical Design Services for the Facility.

Highlights of the facility include the Banking Data Center, LEED based design, and cost based design methodology, providing the owner an efficient and well functioning facility.

Energy from the data center is directed to the Heatpump system whenever there is a need for heat add to the system. The heat recovered from the data center would be normally considered to be low grade heat (90 degrees F.), but when used in unison with the high efficiency heat-pump system, the recovered heat will cover the skin loss of the facility in the winter. Truly integrated design.

ESL Federal Credit Union Corporate Headquarters Constuction



.....So where's the Co-Generation.....

On-Site power generation is strong and well at Energy Concepts, and is being deployed at many of our NYC project sites.

Our commitment isn't to just one technology, but rather the proper blending of technologies for the benefit of our clients.

Besides the ESL Project, there are many other more traditional MEP

projects at Energy Concepts. Recently completed projects include North Fort Myers High School HVAC Upgrade, Pocantico Hills Central School District, and the Saint John Fisher College Welcome Center. There are also numerous smaller projects that have been completed recently.

On the MEP drawing board right

now is the Emergency Department upgrade at Lourdes Hospital, Churchville Chili Schools, Spencer Van-Etten.

Thus, with the on-site power design experience and the traditional MEP experience, Energy Concepts can provide truly integrated design services for the benefit of owners.....and their bottom line!