# The Effects of Green Technology on Electrical Contractors iPRO 338 I Fall 2008 I iiT

egtec

effects of green technology on electrical contractors

**Advisor:** **Dan Tomal, Ph.D.**

**Sponsor:** **Electrical Contractors' Association of the City of Chicago**

**Team:**

**Georgieva, Ludmila**
**Haurberg, Soren**
**Horwath, Joshua**
**Im, Hyeon**
**Johnson, Ross**
**La Luce, Mitchell**
**Lee, Jae**
**Lee, Yongdoo**
**Malawski, Frank**
**Manke, Alexandra**
**Mitchell, Jason**
**Odunaiya, Edumaregbemiro**
**Patel, Kunal**
**Pyciak, Mike**
**Stanard, Steve**

# Team Identity

a **website** to host a user-friendly online database of green technologies information for the **Electrical Contractors' Association of the City of Chicago**.

# Goals of the Project

a **website** to host a user-friendly online database of green technologies information for the **Electrical Contractors' Association of the City of Chicago**.

# Background

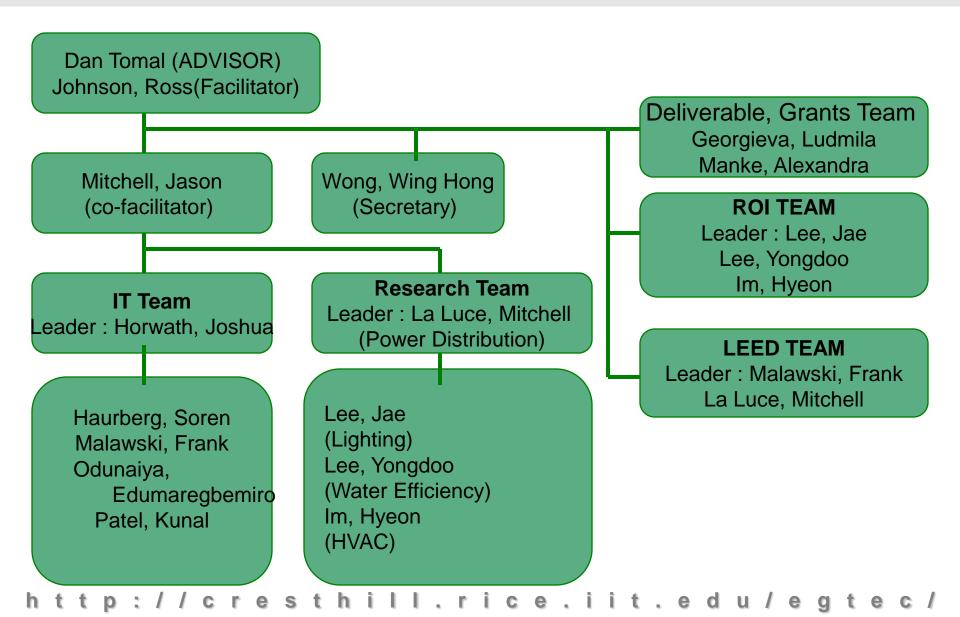- Green technology information: scattered.

- Electrical products: commonly selected by the architects

- Information gap between the design and construction personnel.

- Financial incentives to built green: underestimated.

- No easy-to-use database available.

# Organization of the Team

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Dan Tomal (ADVISOR)
Johnson, Ross(Facilitator)

Mitchell, Jason
(co-facilitator)

Wong, Wing Hong
(Secretary)

Deliverable, Grants Team
Georgieva, Ludmila
Manke, Alexandra

**ROI TEAM**
Leader : Lee, Jae
Lee, Yongdoo
Im, Hyeon

**IT Team**
Leader : Horwath, Joshua

**Research Team**
Leader : La Luce, Mitchell
(Power Distribution)

**LEED TEAM**
Leader : Malawski, Frank
La Luce, Mitchell

Haurberg, Soren
Malawski, Frank
Odunaiya,
      Edumaregbemiro
Patel, Kunal

Lee, Jae
(Lighting)
Lee, Yongdoo
(Water Efficiency)
Im, Hyeon
(HVAC)

# Code of Ethics

- To facilitate environmental stewardship by providing a
- resource to help Chicagoland electrical contractors meet
- Leadership in Energy and Environmental Design (LEED)
- and United States Green Building Council **(USGBC)**
- standards.

# Progress Toward Goals

- Interviewed Sponsor

- Developed plan based on specifications

- Teams organized

- Research *(ongoing)*

- Constructed Database layout

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Evaluate 4 Categories

- Lighting

- Power Distribution

- Water

- HVAC

# Preview I database

each user will have access to a database providing:

•cut sheets

•Pricing

•distributor information

•return on investment projections

•LEED Points associated with each category

search by:

•Product

•Manufacturer

•LEED points

•Location

•LEED certification facts and general info

•list of financial incentives, both on federal and state level

•glossary

# Obstacles

- Organization

- Meeting sponsor's needs

- Teamwork

- Building actual website and database

# Conclusion

This IPRO will result in an online utility that assist Chicago's transition to becoming the greenest city in the country, as well as helping to reduce the communication divide between designers and the labor force.

# Contact us!

Ask questions, address issues, give ideas and suggestions!

**http://cresthill.rice.iit.edu/egtec/**

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|---|---|---|
| **Advisor:** | **Dan Tomal, Ph.D.** | **drtomal@aol.com** |
| **Team Leader:** | **Ross Johnson** | **rjohns31@iit.edu** |