GREEN LINK
IPRO 338
Green Technology in Electrical Construction
Sponsored by: Electrical Contractors’ Association of City of Chicago, Inc.

WHAT IS LEED?
- Leadership in Energy and Environmental Design
- Encourage adoption of sustainable green building development practices

USGBC
United States Green Building Council
Non Profit organization working to make green buildings accessible to everyone

LEVEL OF CERTIFICATION
Different Levels of certification based on points earned through various building practices

26-32 points 33-38 points 39-51 points 52-69 points

FACTS AND FIGURES
- High levels of certification can be achieved at no additional cost
- US buildings account for 136 million tons of annual construction and demolition waste
- US buildings use 65% of total electricity consumption
- LEED and USGBC work to greatly reduce these numbers by every certified building

BENEFITS
- Improve the health and productivity of occupants
- Reduce life-cycle energy and operating costs
- Set example in community
- Meet growing demands of tenants

PROBLEM
- Green technology has become a major aspect of the design of buildings
- More developers demand these products and building techniques be used in construction.
- Information on these products is often confusing and incomplete.
- There is high demand for a tool that can help assist in bringing about a well informed transition from industry standard building practices and products, to green alternatives, as well as cut down on miscommunication between architects and contractors

OBJECTIVES
- The purpose of this IPRO is to develop a website to host a user-friendly online database of green technologies information for the Electrical Contractors’ Association of the City of Chicago.

METODOLOGY
- Research team is tasked with researching current green technologies that are available, as well as the distributors of these products.
- Technical team works on developing and editing the website. It is up to the research team and technical team to ensure that the website is user-friendly, visually appealing, displays the desired information. The teams update the website based on the results of our contractor survey.
- The communication team speaks to electrical contractors in the field, in order to gain any additional information or user feedback that will assist in the articulation of the website

TEAM MEMBER
Tomal, Dan Advisor

Akbany, Omair
Tech Team
Asher, Michael
NECA Project
Communication
Aulfata, Muluken
Secretary
Bennett, Casey
Tech Team
Day, Michael
Research Team

Kim, Woochan
Research Team
Lee, Yeseul
Research Team
Park, Minah
Research Team
Shaffer, Dan
Team Leader
Zajac, Gregory
Communication
Co-Leader