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IPRO311 – IIT Sustainability Image & Branding

WHAT HAS IPRO-311 DONE THIS SEMESTER?

-researched the different aspects of sustainability in relation to solar, wind, storm retention, recycling, and greening

-design a creative array of energy and sustainability kiosks, sculptures, educational tours and visitor center experiences that celebrate IIT's history of inventions and innovations

-capture lost historical information and translate it into an educational pathway through campus strewn Greenstallations that portray elements of energy and sustainability

WHAT ARE GREENSTALLATIONS?

-student-designed & student built installations that promote sustainable design and technology throughout campus

WHY GREENSTALLATIONS?

-to increase sustainability awareness throughout campus and throughout the city of Chicago

-to better the aesthetical aspect of campus that is memorable but still sustainable

-develop a visible image of IIT that correlates with the realm of energy and sustainability

-create a “buzz” in the energy and sustainability community that establishes IIT as a leader in sustainable innovation

INFRASTRUCTURE

Greenstallations Sign

Informational Kiosk at MTCC Visitors Center

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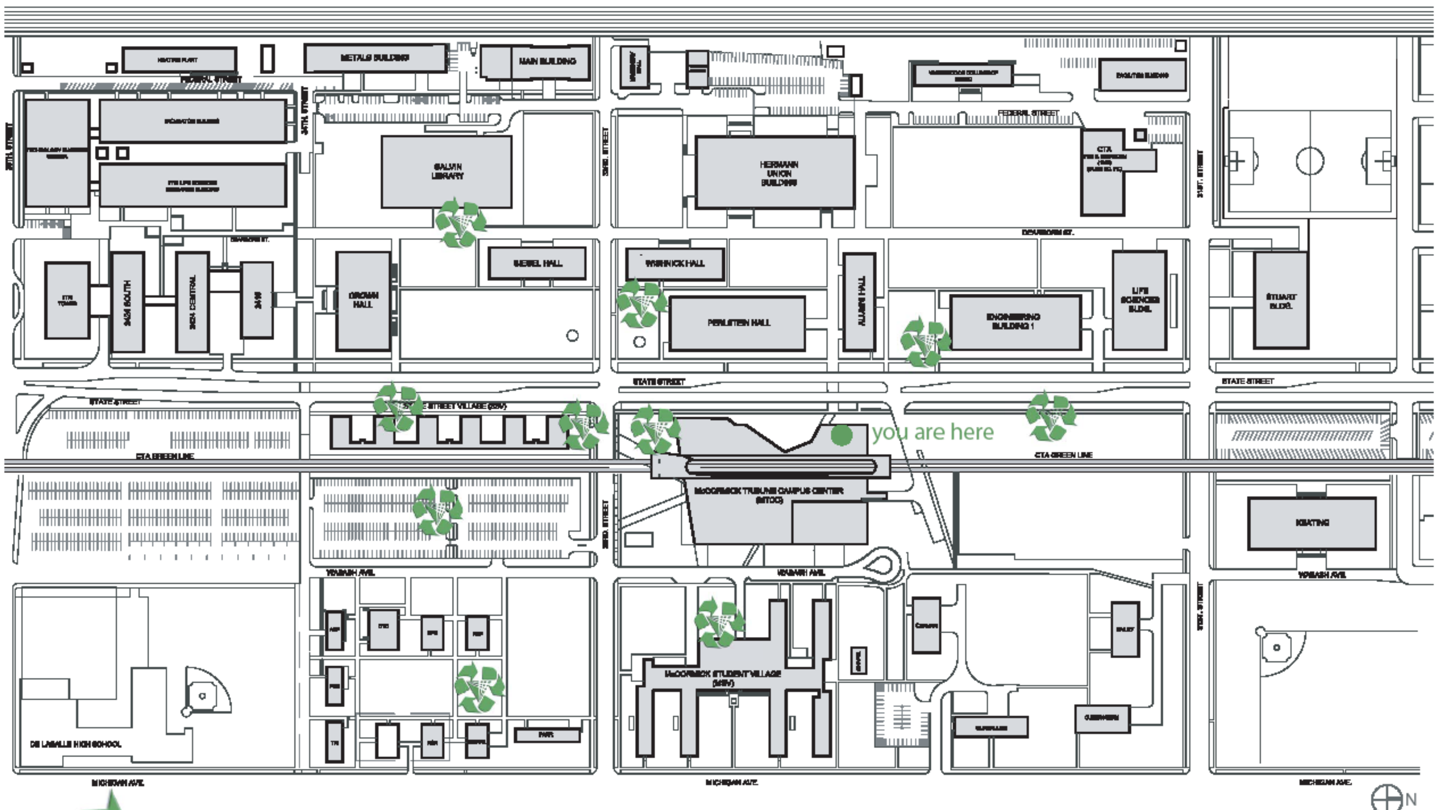

greenstallations are student-designed, student-built installation projects promoting innovations in sustainable design and technology at IIT. Green technologies developed here at IIT by our students and faculty are shaping the way the world will live in the future.

Click on the symbols to learn about each greenstallation, then take a tour of campus to see them in person!

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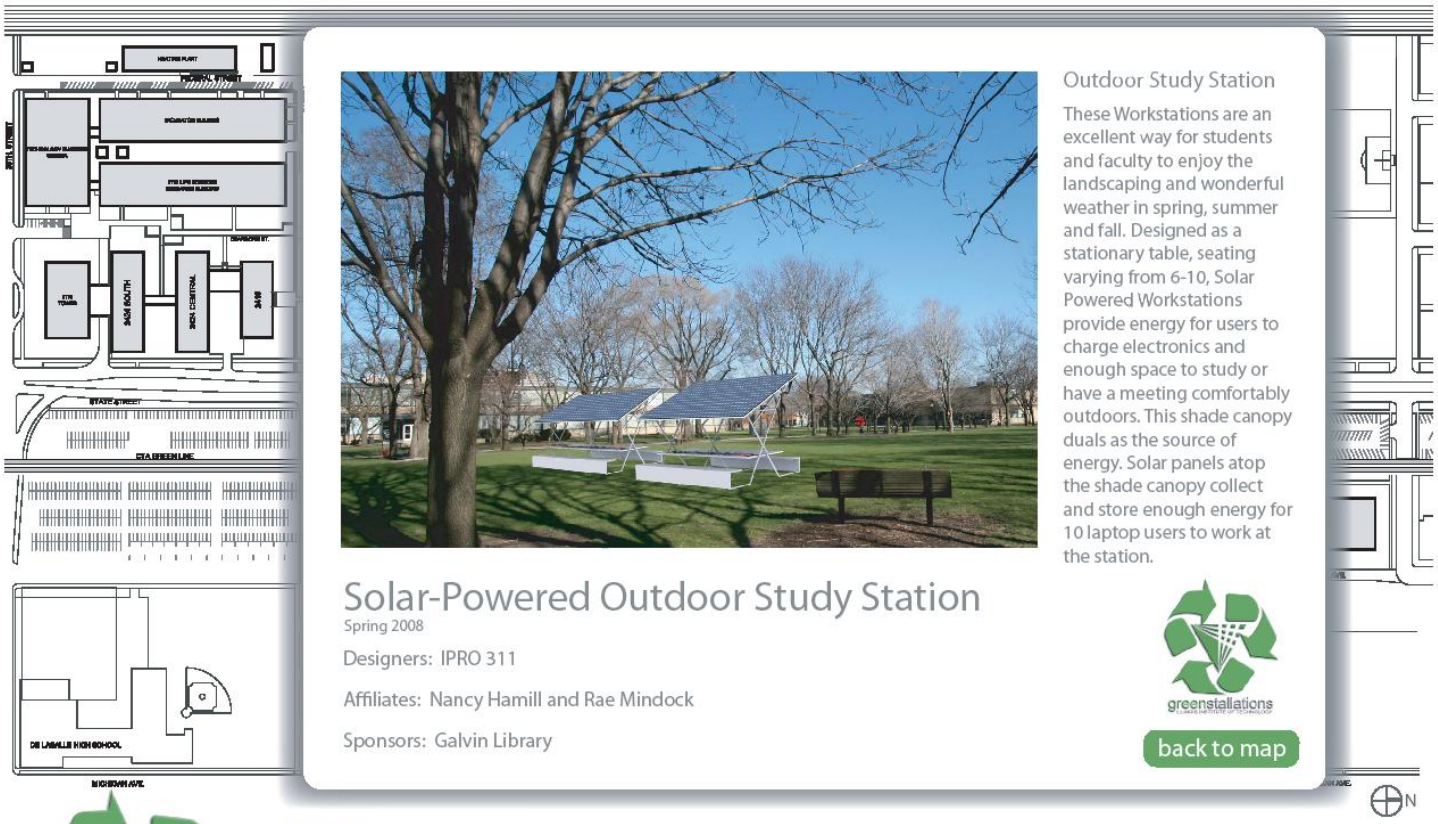

Solar-Powered Outdoor Study Station

Spring 2008

Designers: IPRO 311

Affiliates: Nancy Hamill and Rae Mindock

Sponsors: Galvin Library

Outdoor Study Station

These Workstations are an excellent way for students and faculty to enjoy the landscaping and wonderful weather in spring, summer and fall. Designed as a stationary table, seating varying from 6-10, Solar Powered Workstations provide energy for users to charge electronics and enough space to study or have a meeting comfortably outdoors. This shade canopy duals as the source of energy. Solar panels atop the shade canopy collect and store enough energy for 10 laptop users to work at the station.

greenstallations

back to map

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DESIGN CONCEPTS

Powerstallation

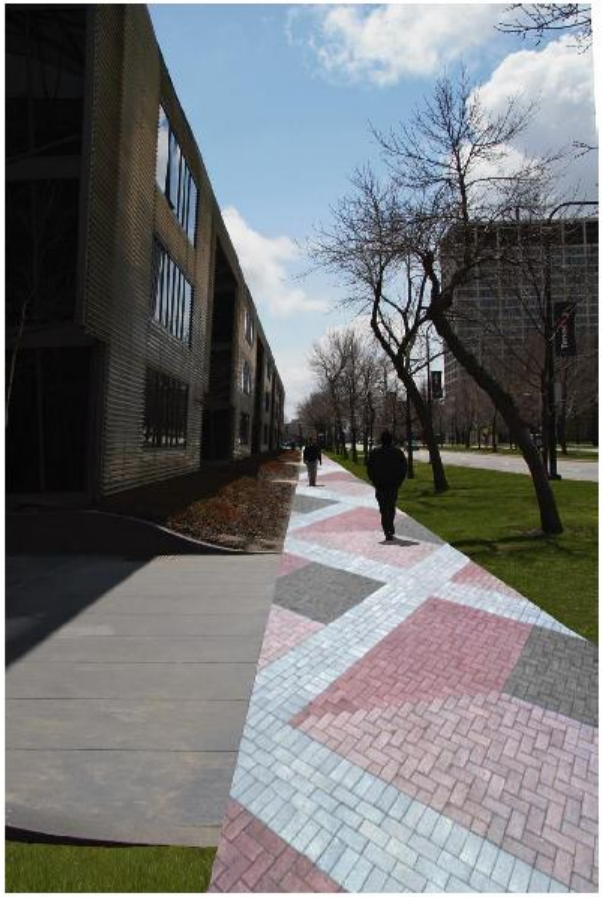
Objective | to educate students of the potential for alternative energy sources

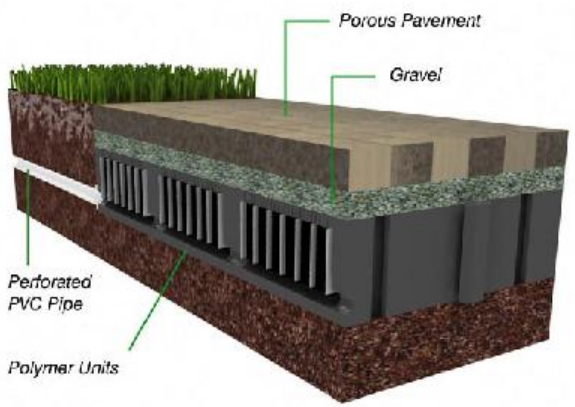
Design | the spherical arrangement of PV Cells, turbines, and storage cells allows for efficient positioning to maximize energy output.

Objective | to attract students to utilize campus green spaces providing solar powered energy sources to plug in laptops and other electronic devices.

Design | bench is composed of a lightweight aluminum structure and photovoltaic cell sun shade.

Solar Powered Work Station

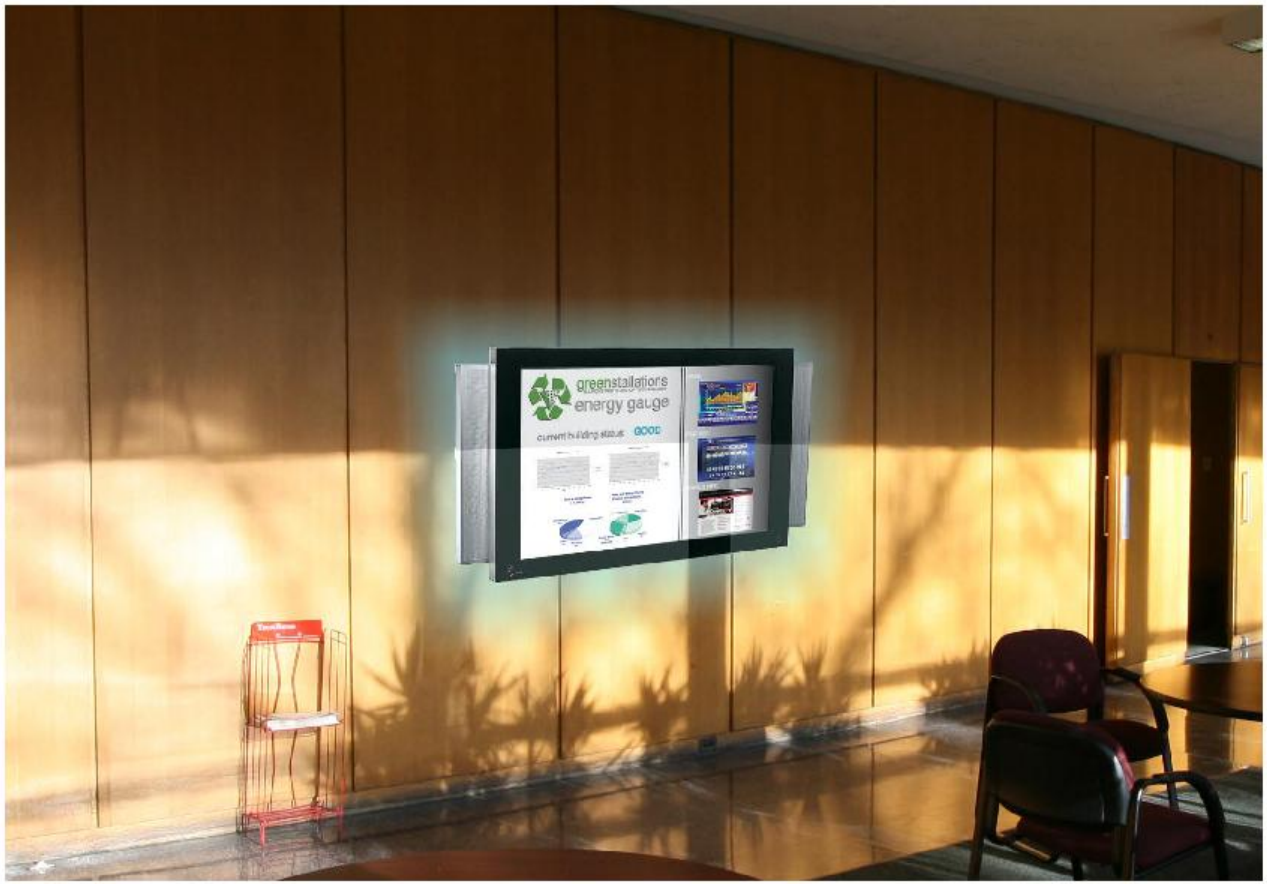




Objective | to improve campus walkway drainage (prevent water collection along sidewalks) and improve campus visibility

Design | the porous pavement allows water to be absorbed into the system and slowly released back to the soils.

Permeable Pavement



Energy Gauge

Objective | to educate students of the energy consumption throughout campus and increase awareness to reduce energy consumption throughout campus.

Design | the panels include information relating to energy consumption and glows blue or red based around the comparative energy consumption of the specific building

CAMPUS RELATION

-the transportation points in and out of campus can definitely benefit from the Greenstallations concept

-Dan Ryan Expressway

-Red & Green Lines

-New Metra Station

-to better define the campus boundaries and borders to let people know when they have reached and are passing through the IIT campus

FUTURE AWARENESS

-IIT has several media outlets in which these Greenstallations can be published and circulated through the rest of the campus and ultimately to the City of Chicago

-can lead to possible exposure and eventual funding and sponsorship from school and city administrations and organizations

FUTURE IPROs

-future students will continue to take this underlying idea and stretch its limits and imagination

-to bring the Greenstallation idea into construction and production

-to continue to explore, research, and demonstrate processes of sustainability that will actively engage the IIT campus and those who come visit

THANK YOU