## IIT Campus

# Sustainability

### Sub-Group Solar Workstation

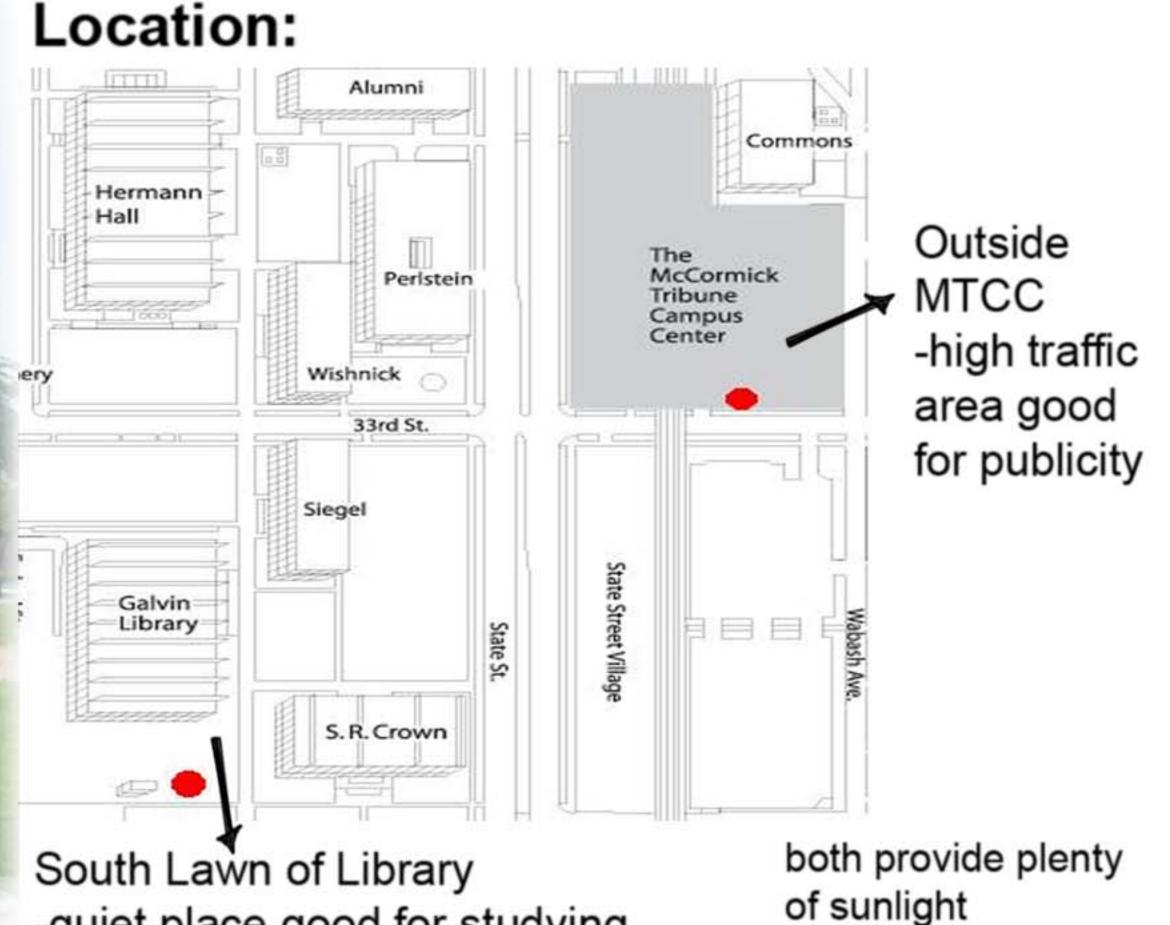
### Sub-Group Heating & Energy

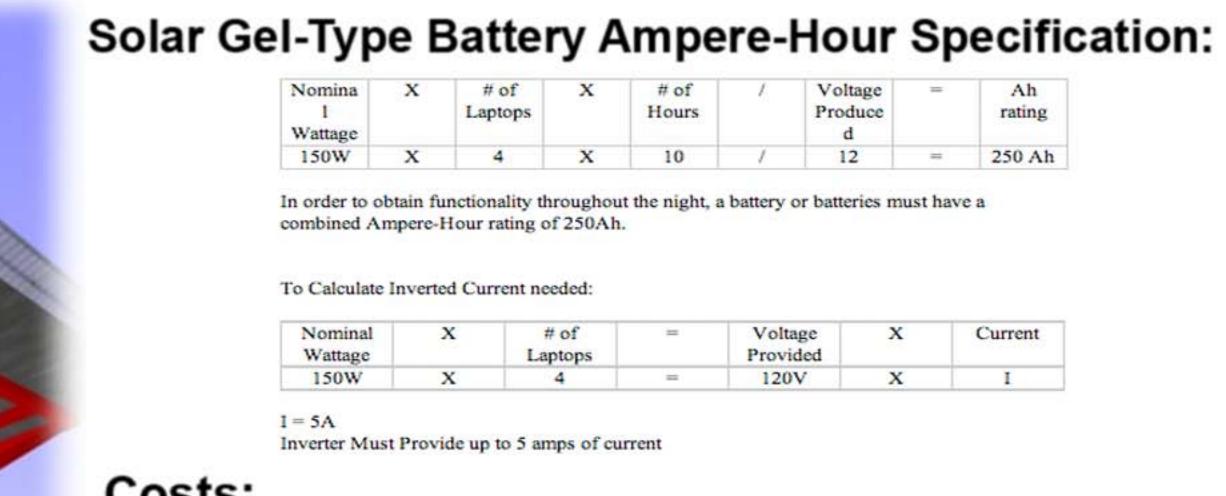


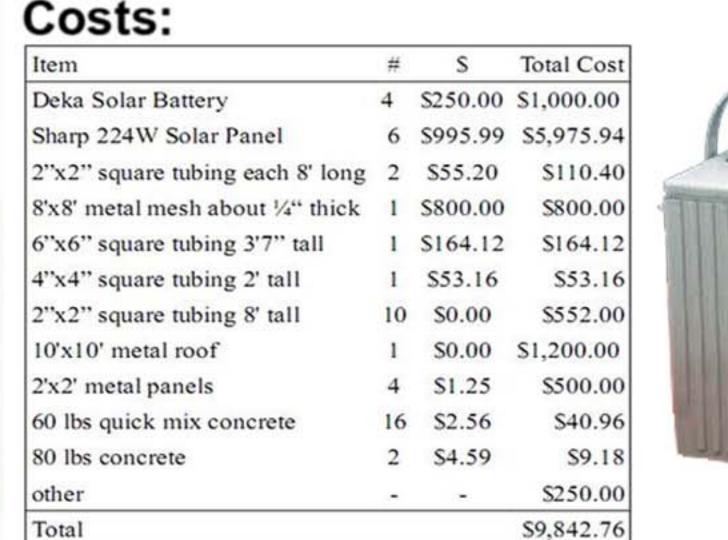
Concrete

Design Specifications:

Square Tube (6"x6")







-quiet place good for studying

-extension of library

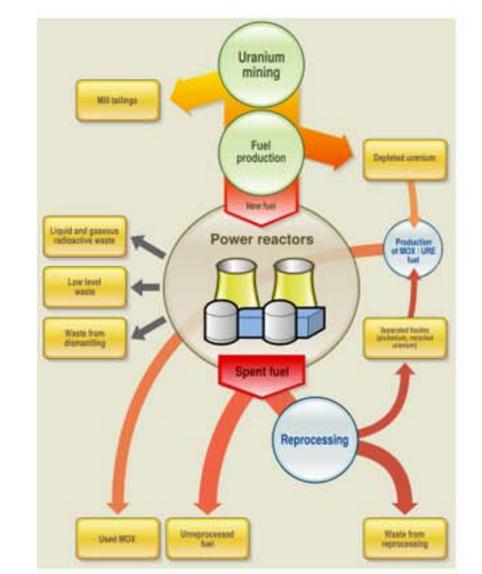


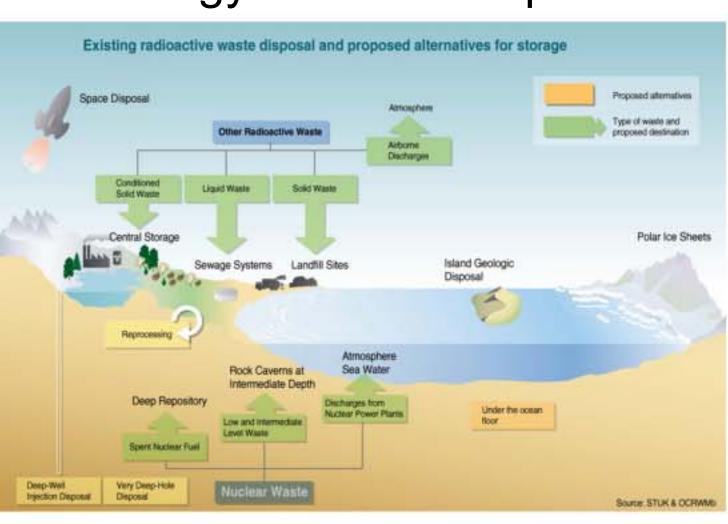
throughout the day

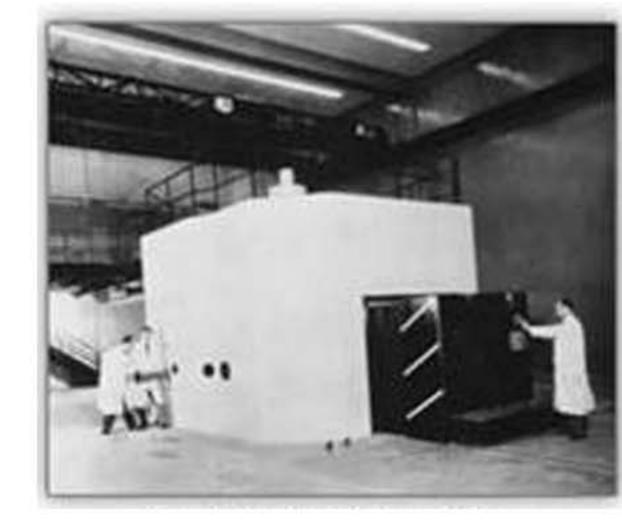
### Purpose:

To implement a nuclear reactor on campus as a source of clean energy. Determine the type of reactor most suitable for the IIT campus, as well as research nuclear waste reduction and recycling of nuclear waste.

### The Process of Nuclear Energy & Waste Disposal







Previous Reactor on Campus

### The problem:

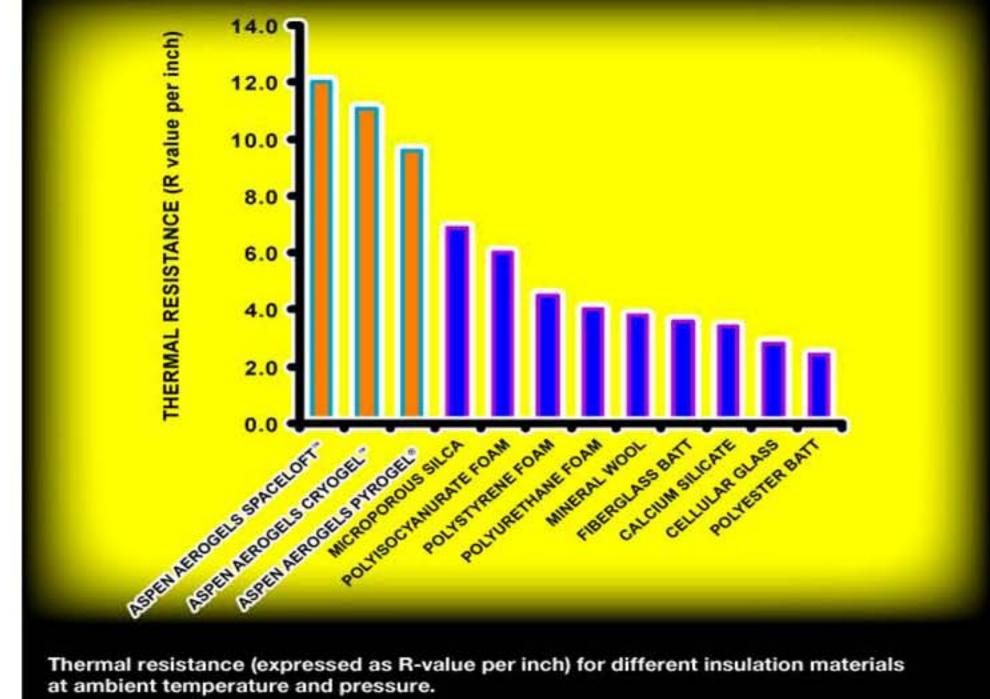
The buildings on campus have little to no insulation which leads to inefficient heating and cooling for buildings resulting in high energy costs.

### The Solution:

The implementation of Aerogel is the solution to IIT's insulation needs. Brick buildings such as E1 can benefit greatly from improved wall insulation.

### Aerogel Blanket

### Insulation R-Value Graph



### Aerogel

- Best insulation material availabe today
- More than 3x as insulating as fiberglass
- Versatile nano material