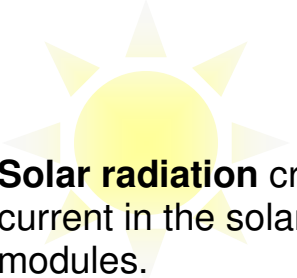


HARNESSING SOLAR ENERGY TO ILLUMINATE THE WIND TOWER AT REGENT COLLEGE, UBC

SARAH HALL, RCA; GLASS ARTIST
CLIVE GROUT ARCHITECT
IN COLLABORATION WITH WALTER FRANCL ARCHITECTS

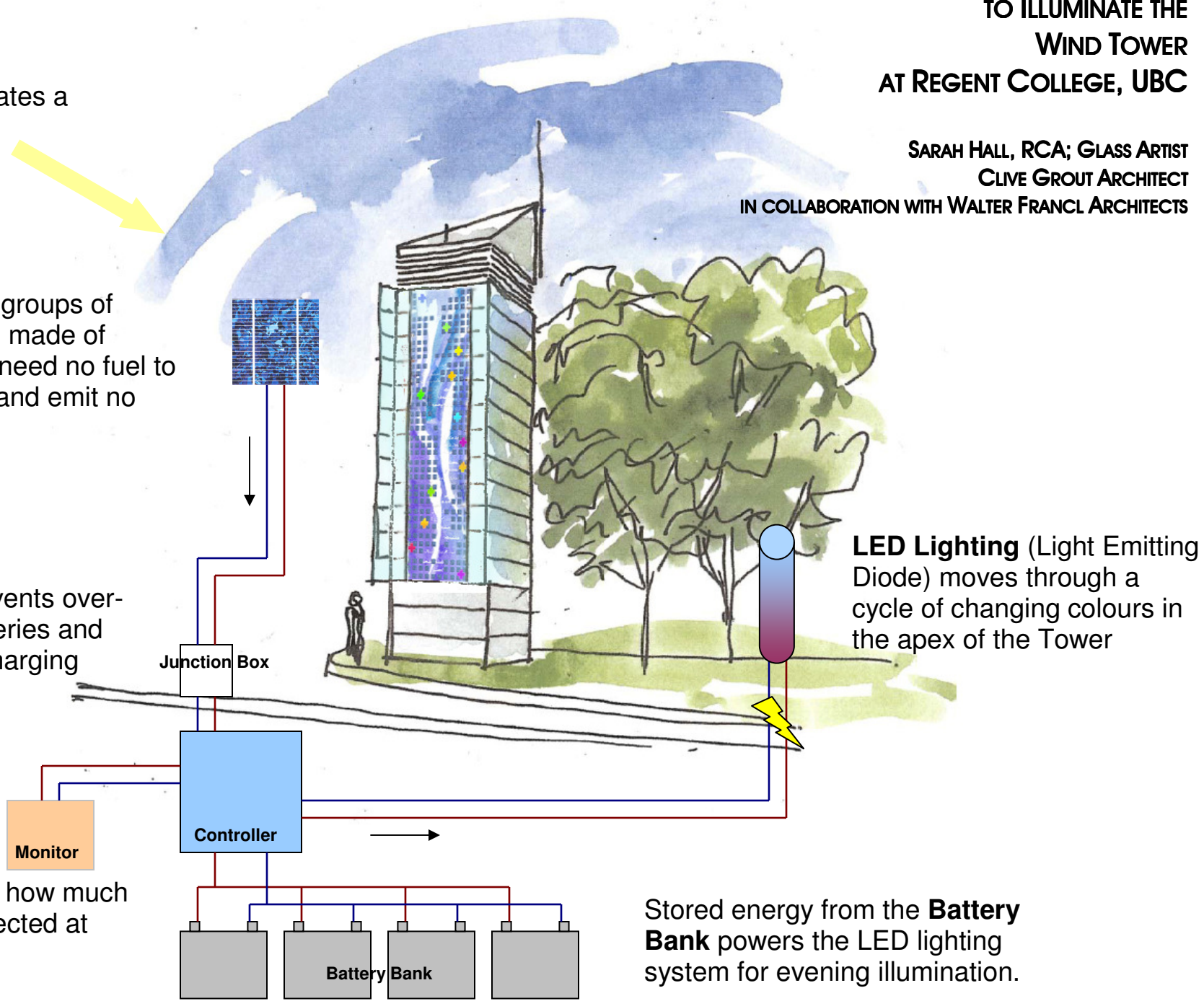


Solar radiation creates a current in the solar modules.

Solar modules are groups of individual solar cells made of silicon plates. They need no fuel to generate electricity and emit no greenhouse gases.

The **Controller** prevents over-charging of the batteries and ensures optimum charging rate.

The **Monitor** shows how much energy is being collected at any given time.



LED Lighting (Light Emitting Diode) moves through a cycle of changing colours in the apex of the Tower

Stored energy from the **Battery Bank** powers the LED lighting system for evening illumination.