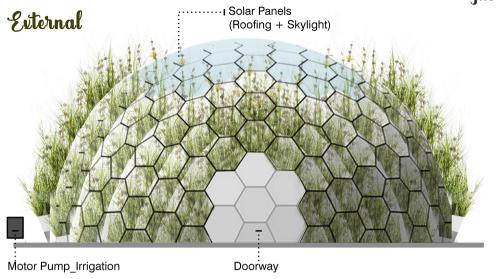
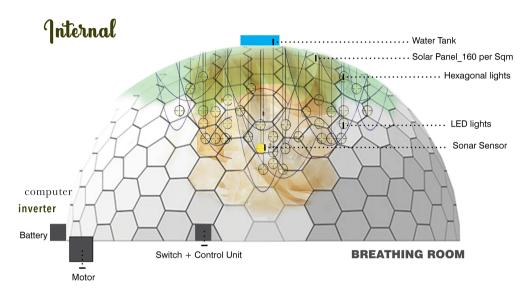
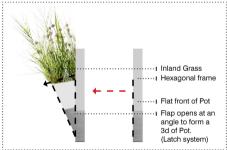
Breathing Room The Parts



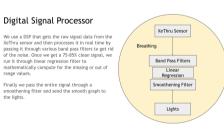


SKYLIGHT ROOF WITH SOLAR PANELS

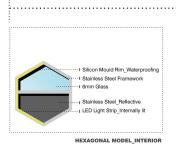


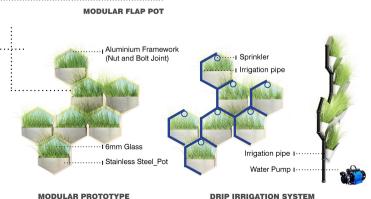






HEXAGONAL MODEL_EXTERIOR





Lights Control Hardware

We wanted to control incandescent lights using a digital signal hence we needed to create custom hardware to convert the digital signals back to analog.

We used 4 x 16-Channel 12-bit PWM Drivers then

connected the signal to AC dimmer circuits specially designed to handle long time continuous dimming.

The signal from the DSP is fed into the PWM drivers which uncoales the resolution of the 10hit (1074).

The signal from the DSP is fed into the PWM drivers which upscales the resolution of the 10bit (1024) signal to 12bit (4096) which makes the signal almost continuous.



*Size and theafore model of the dome is variable, as is the size of the lighting installation