



Architecture-Engineering-Construction Firm Gouda, Netherlands Let us show you Gouda Build for the Future!

Our Team



Grace White Mechanical & Energy



Robert Cottingham Site & Structure



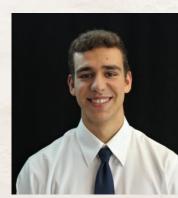
Ryan O'Callaghan Architecture & Interior



Brett Liming Architecture & Envelope



Will Harshberger Electrical & Construction



Josh Maile Mechanical & Energy



Joe Mak Mechanical & Embodied Energy

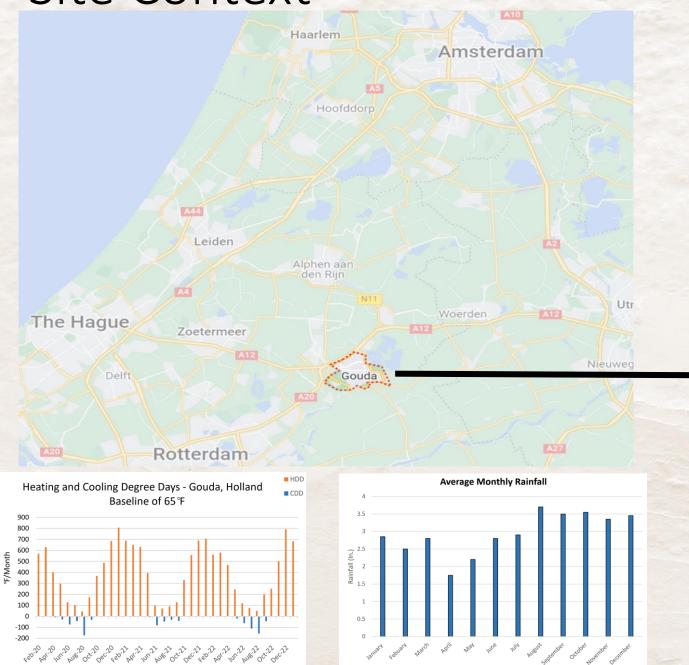


Anton Harfmann Faculty Lead



;600

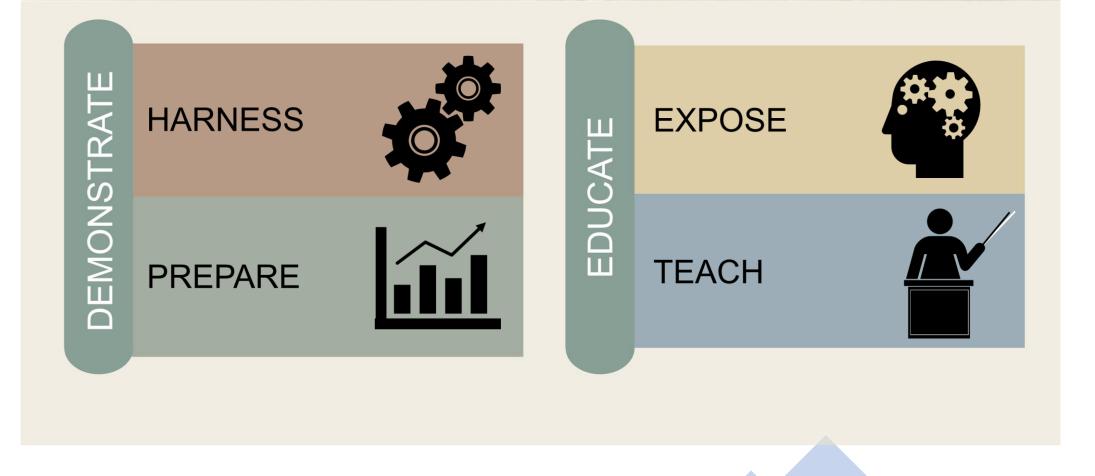
Site Context

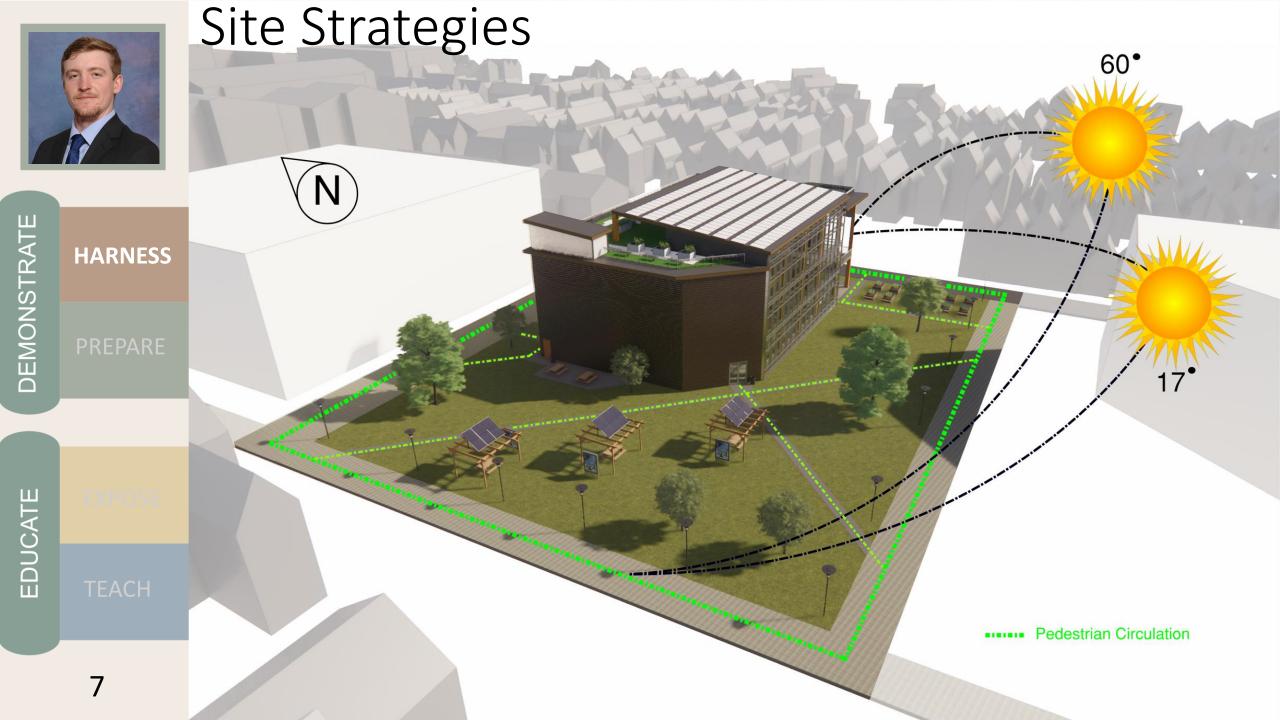






NET ZERO MISSION

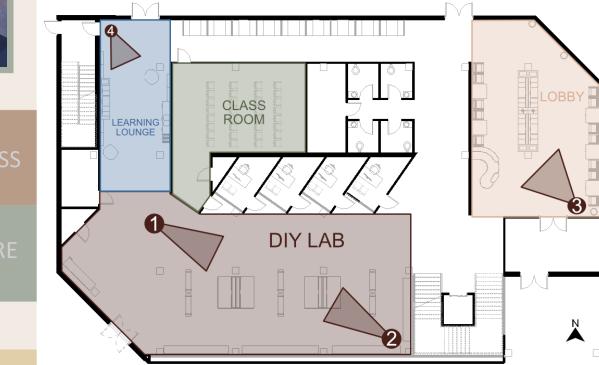






Spaces Designed for Learning

Gouda







DEMONSTRATE

TEACH

EXPOSE



8



Spaces Designed for Productivity

DESK SPACE





DEMONSTRATE

TEACH

EXPOSE



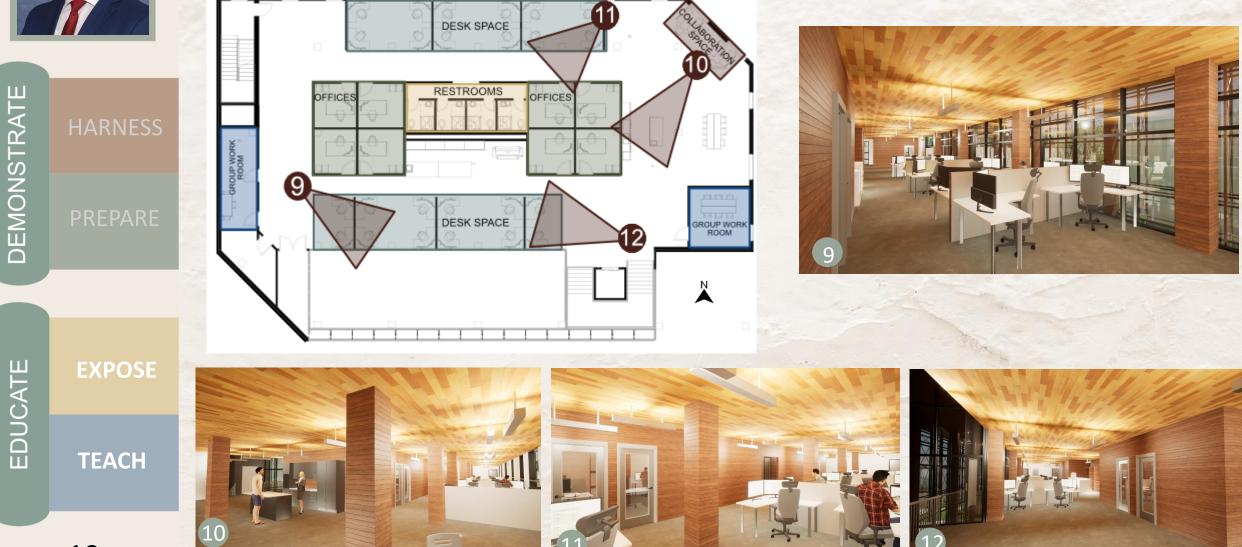




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Spaces Designed for Productivity





EDUCATE

11

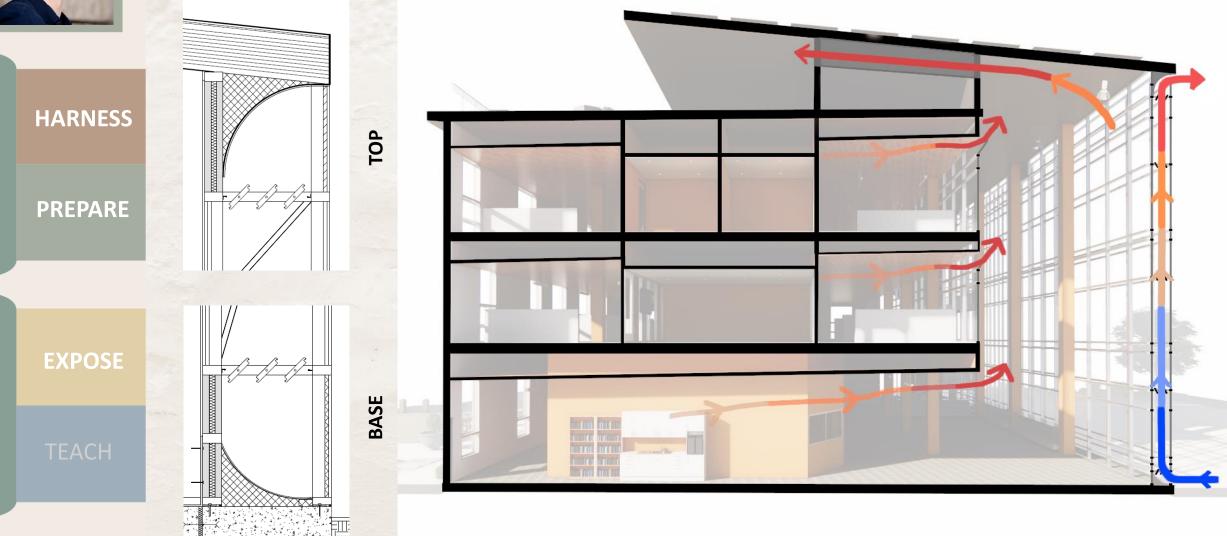
Green Roof Application





EDUCATE

Double Skinned Façade and Enclosure



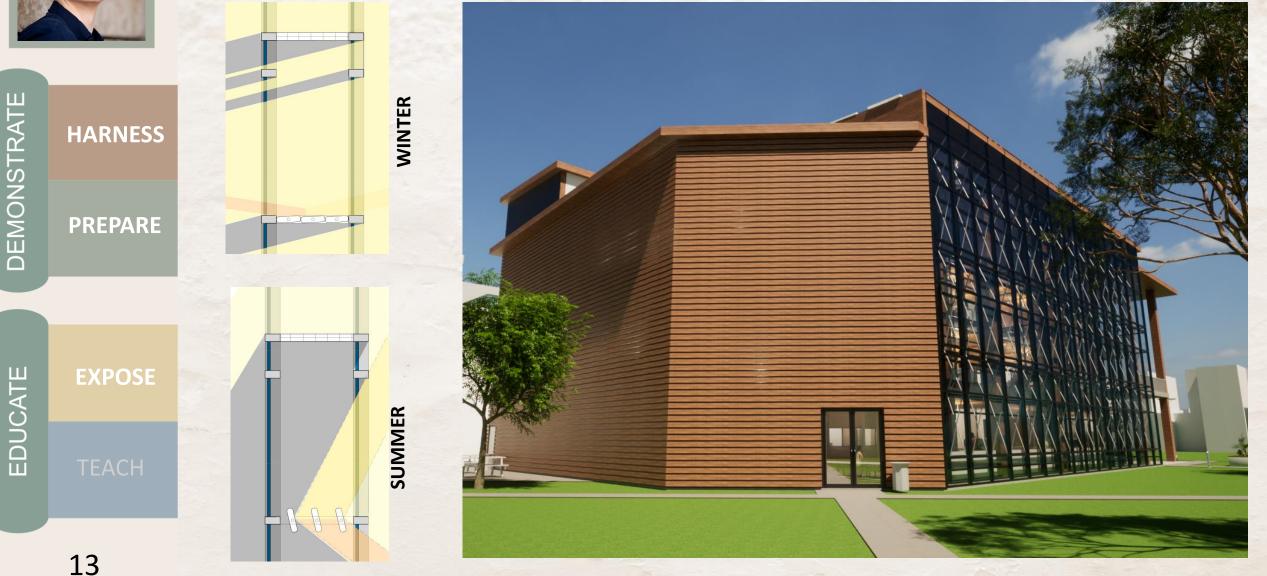
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INSULATED LOUVERS



Double Skinned Façade and Enclosure



LIGHT SHELF



Structure

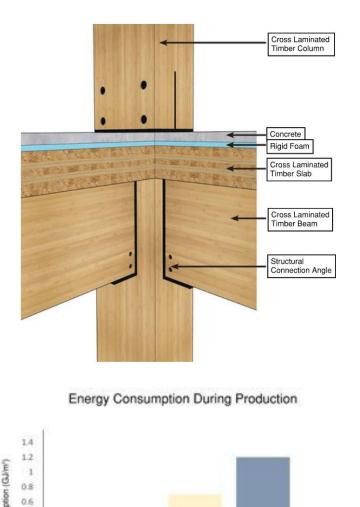
0.6

0.4

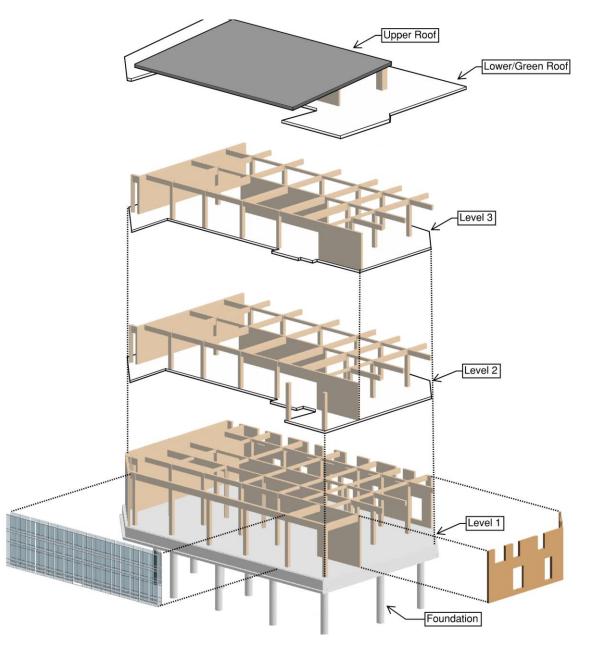
3 0.2 ğ 0

Ener -0.2 -0.4 0.6





CLT Steel Reinforced Concrete

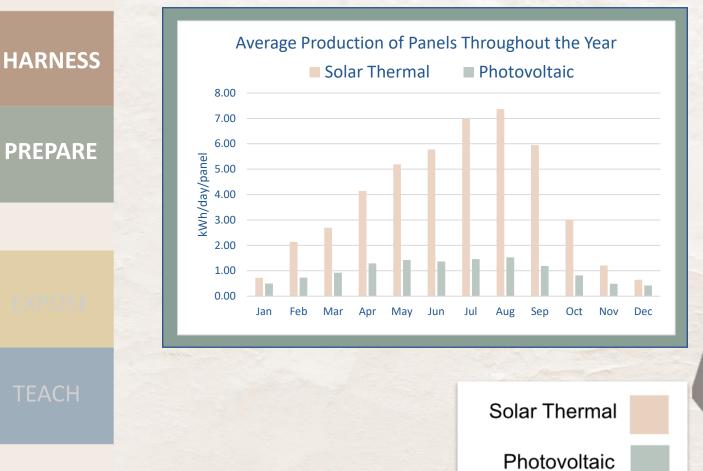


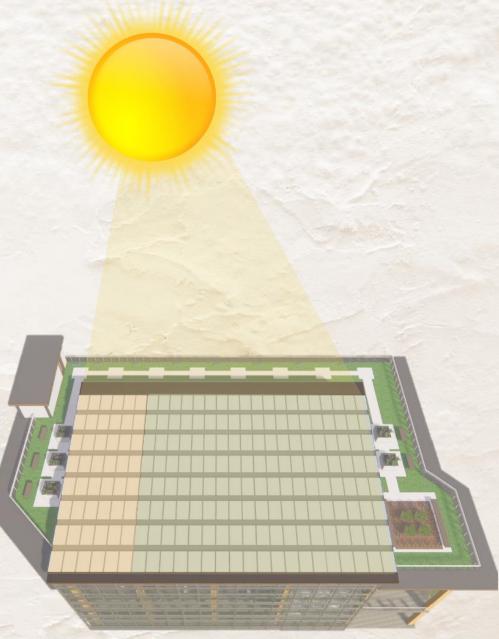
14



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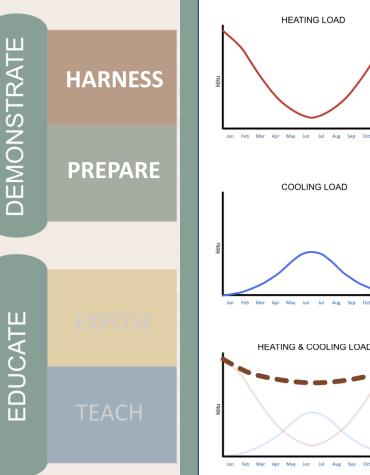
Harnessing the Sun to Offset Building Consumption

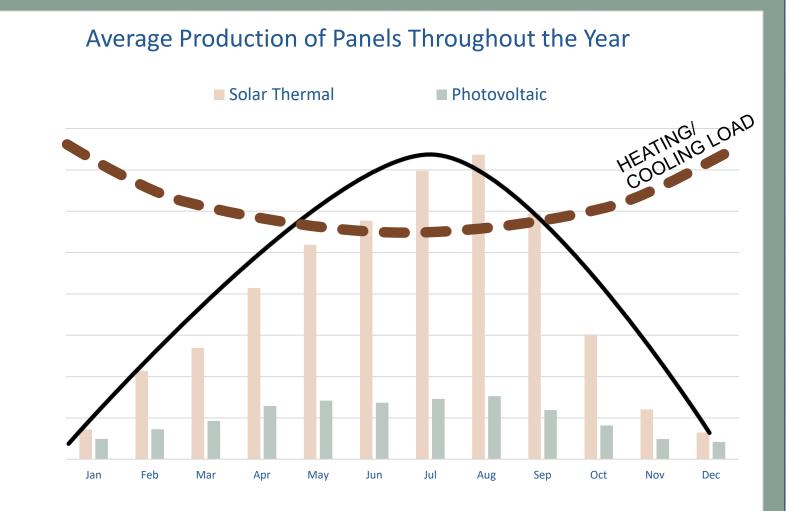






Maximizing Solar Thermal Production Without Excess Generation







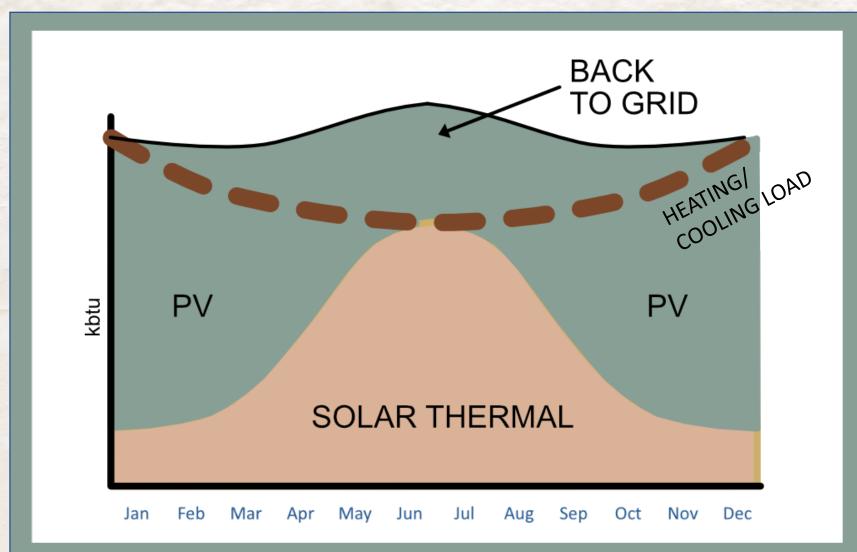
HARNESS

PREPARE

DEMONSTRATE

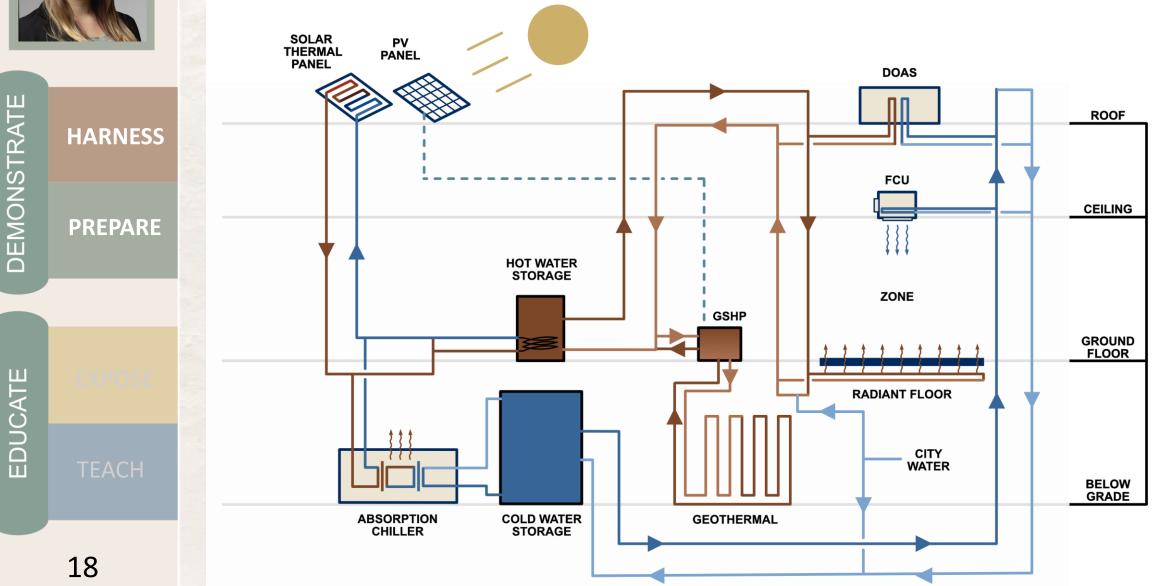
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Maximizing Solar Thermal Production Without Excess Generation



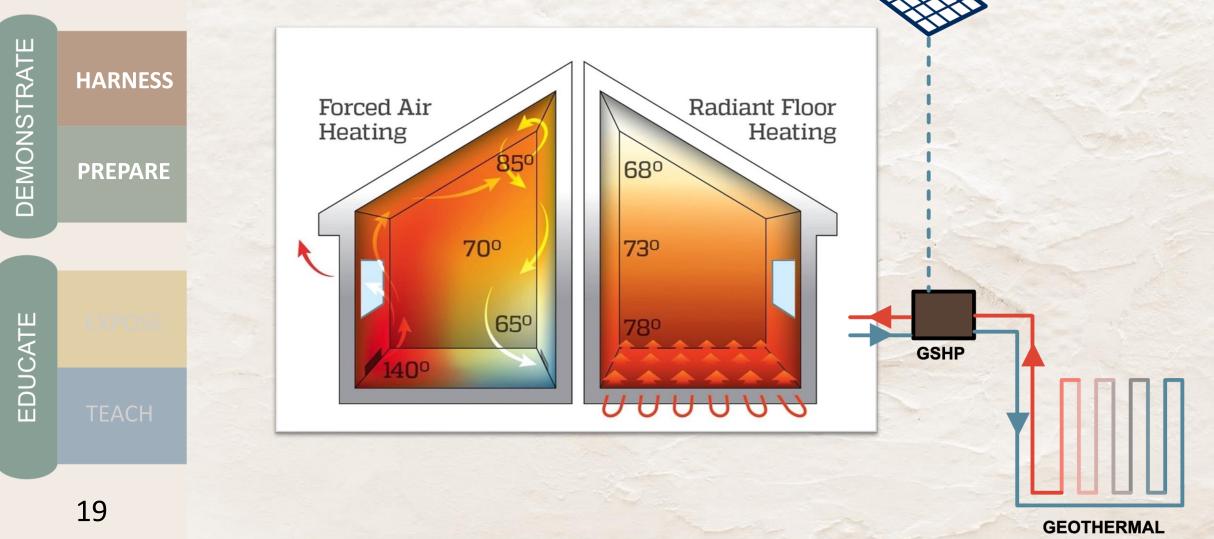


Heat Energy Powers Cooling System





PV Powering GSHP

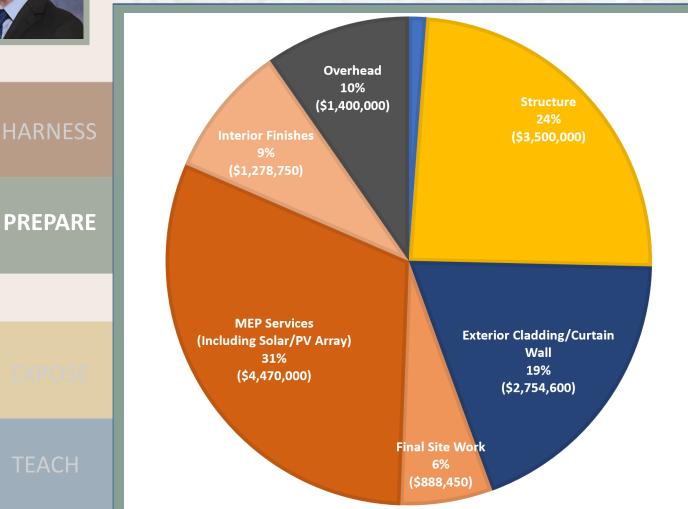




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Project Cost Overview



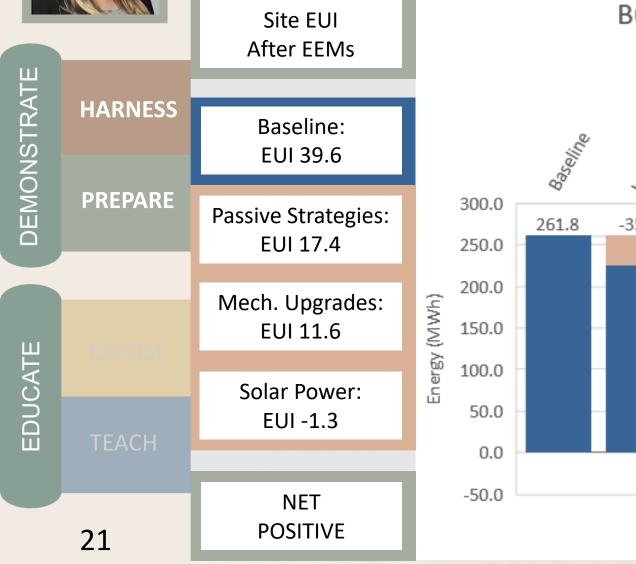


Project Overview

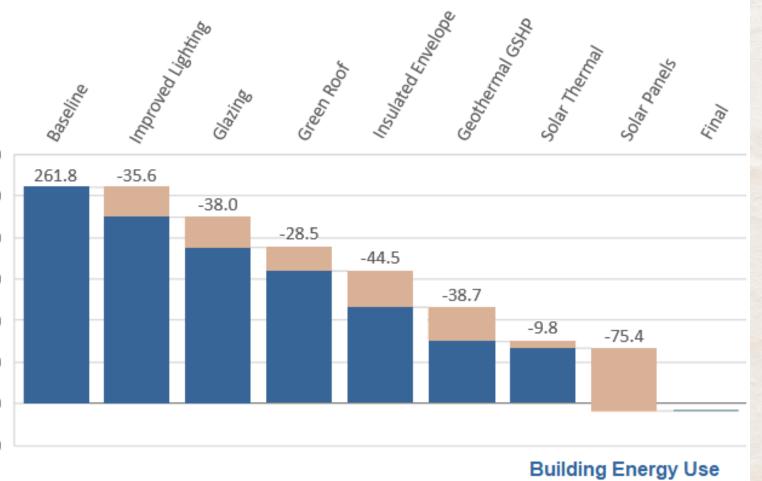
Estimated Project Duration	14 Months
Total Site Square Footage	32750 Sq. Ft
Total Building Square Footage	23235 Sq. Ft
Total Project Cost	\$14,460,550
Project Cost/Square Footage	\$622/Sq. Ft



Energy Analysis



Building Energy Reduction Measures



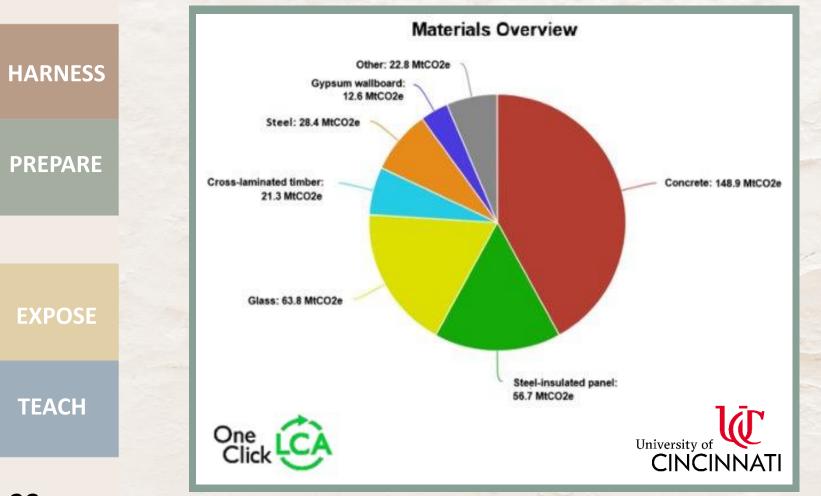
Energy Reduction



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Beyond Net Zero

Carbon Accounting



Exposure



Community



Teaching



THANK YOU!