

Moderator

Ali Dirul - Founder and CEO

University of Detroit Mercy – Undergraduate

- Mechanical Engineering / Physics

Oakland University – Masters Degree

- Mechanical Engineering / Alternative Energy Systems



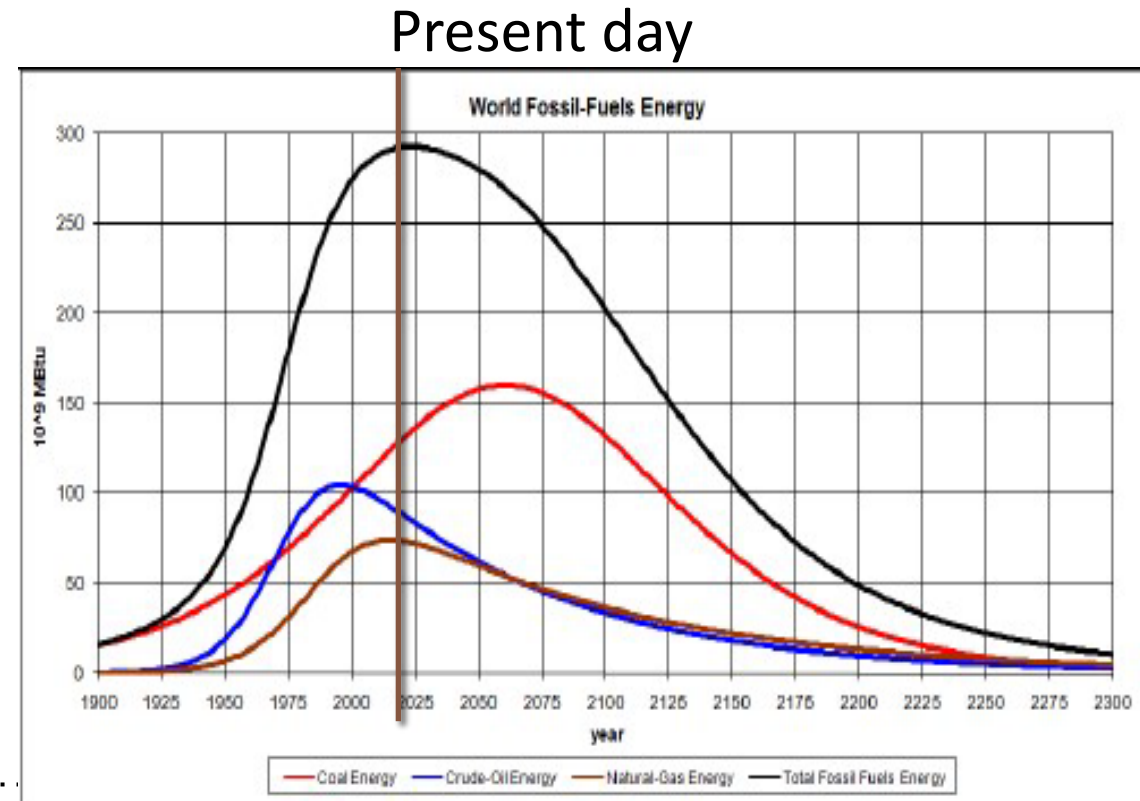
Ryter Cooperative Industries (RCI) is a project management company delivering innovative energy technology and practical solar solutions to local communities.

Our mission is to accelerate the adoption of solar powered energy systems by providing robust scalable solar solutions .

Why is this important? The problem

As the demand for energy increases and the resources needed to supply that energy is projected to run in our lifetimes, alternative forms of energy need to be cultivated to meet this need and sustain a basic level of lifestyle.

And this energy needs to come from clean and renewable resources.

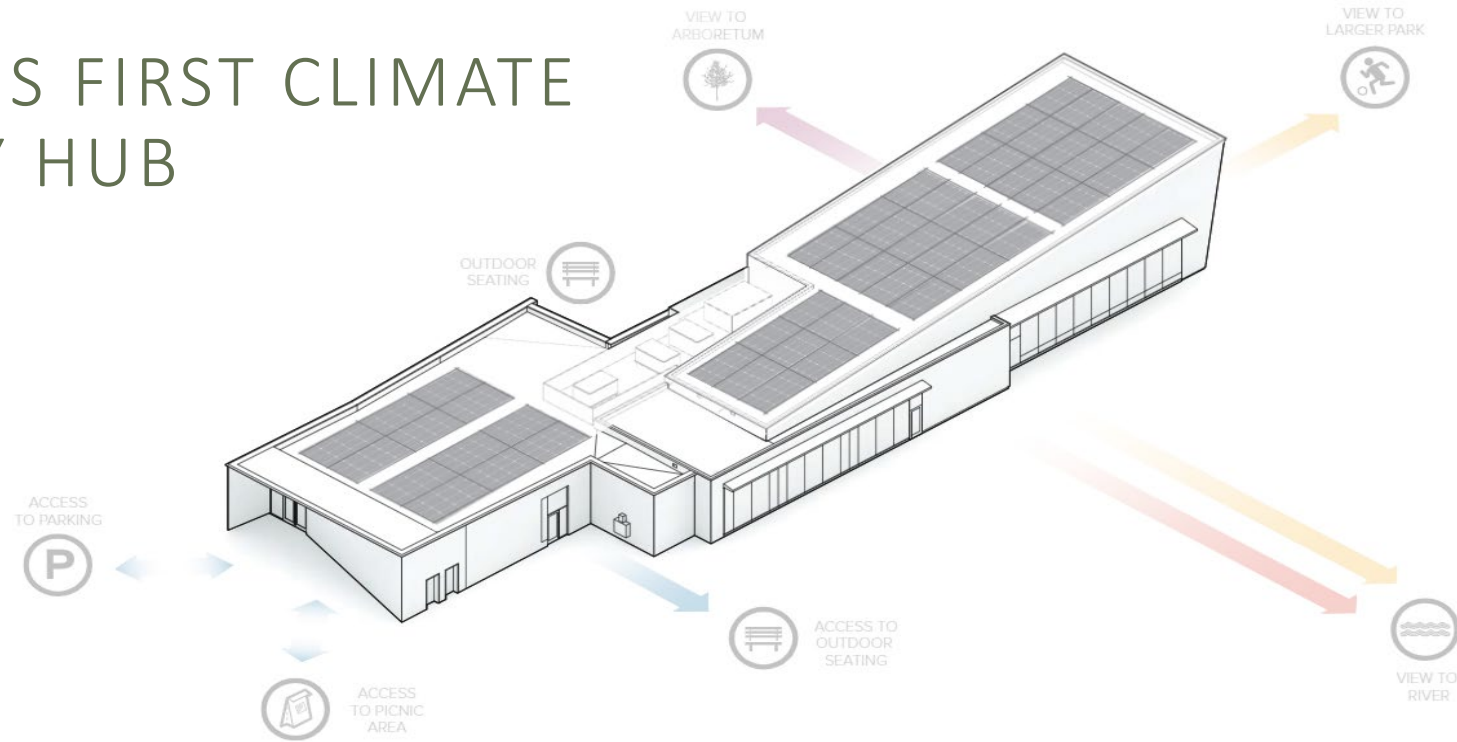




The solution

RCI has been working to solve this issue by cooperatively implementing renewable energy solutions that are based in resources that do not adversely affect our environments and that would also create decentralized grid resilience as the current electrical grid ages and continues to fail.

MICHIGAN'S FIRST CLIMATE RESILIENCY HUB



Lenox Center Resilience Hub

Solar Microgrid



ELEVATE

AMERICAN MICROGRID
SOLUTIONS



**RYTER
COOPERATIVE
INDUSTRIES**

ENERGY - TECHNOLOGY - RESULTS

Solar plus Storage Design



Racking Members

Install IronRidge racking in conjunction with welded solutions on sloped roof areas

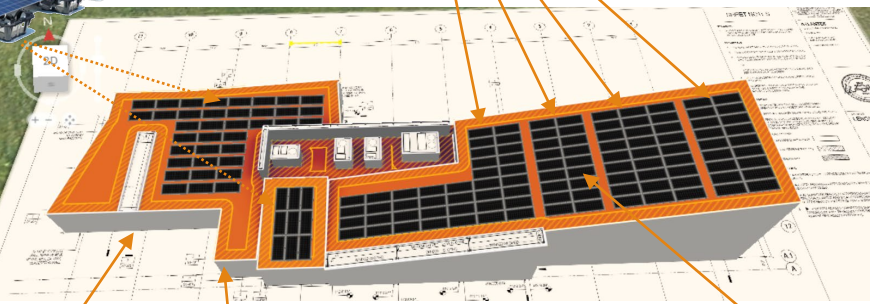


Rack Mounting

Install this specialized welded or adhered rack mounting solution for sloped areas of the roof not suitable for ballasted rack mounting designs



BX System



Ballast Racking

Install ballast racking on flat areas of the roof



Generator - Secondary

Install 150kW Diesel Generator in front of the south wall of the building.



Battery ESS - Primary

Install one 125kW / 225kWh LiFePO₄ Battery In Mechanical Room in South East or North West corners. As designed can manage the operation of the generator.



Solar Photovoltaics

Install 67.5kW of PV 450W or equivalent solar panels. Procure additional panels in case of issues or defects to maintain project timing

