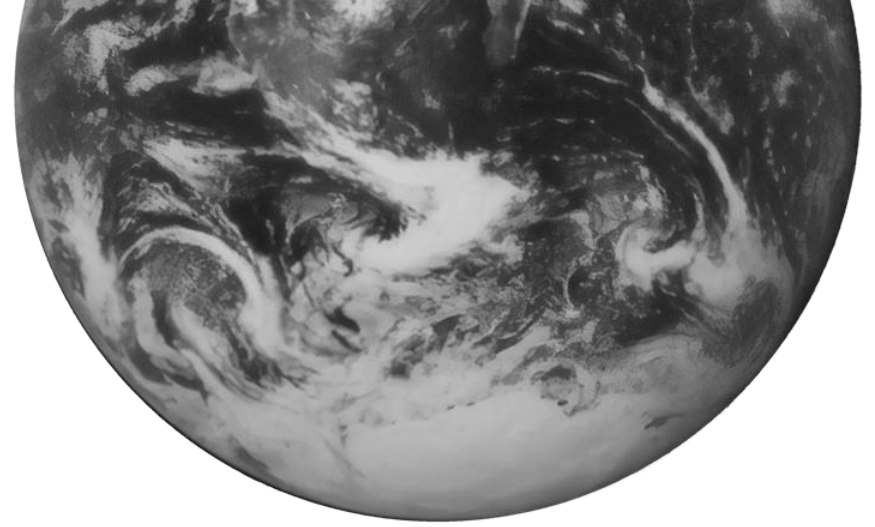


NET ZERO

How to Accelerate the Decarbonization of America's Heartland Today



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Mahesh Ramanujam
President & CEO
Global Network for Zero



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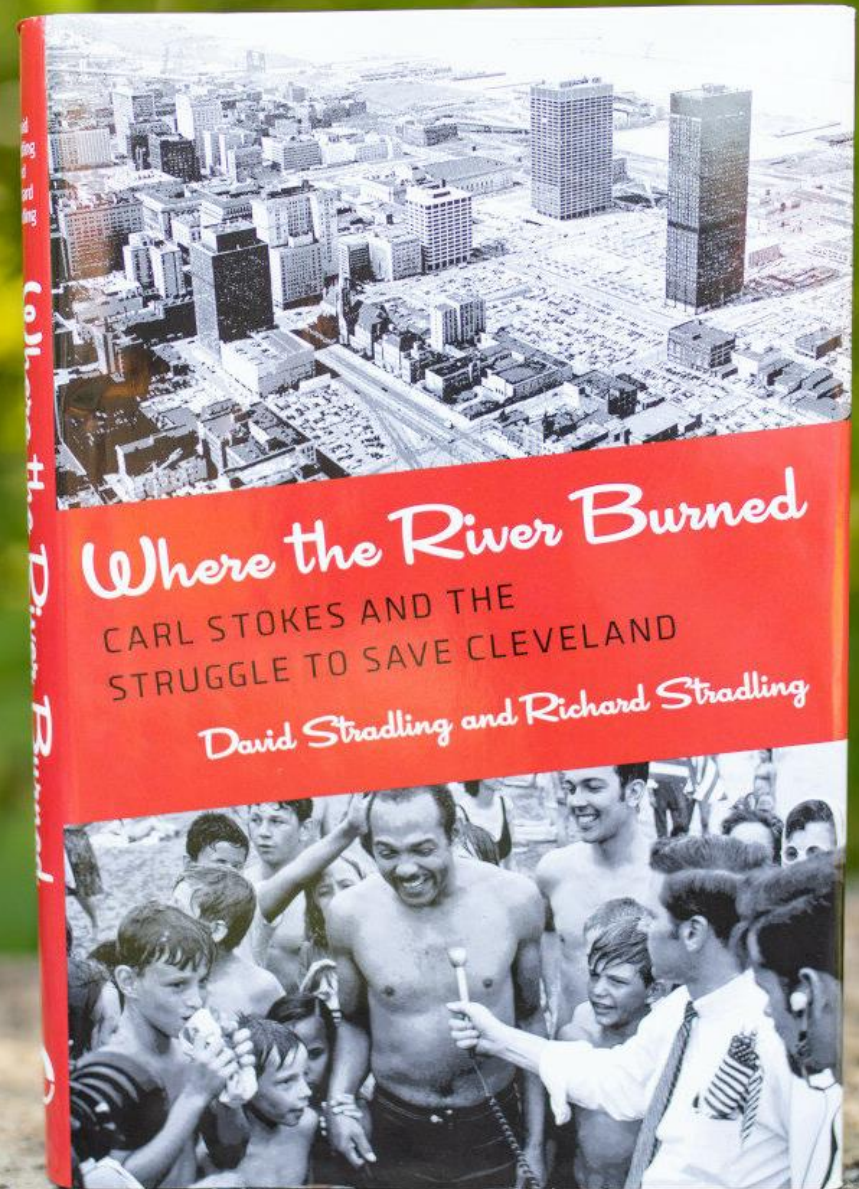
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“...a city in which heavy air pollution threatened lives — children’s lives...”



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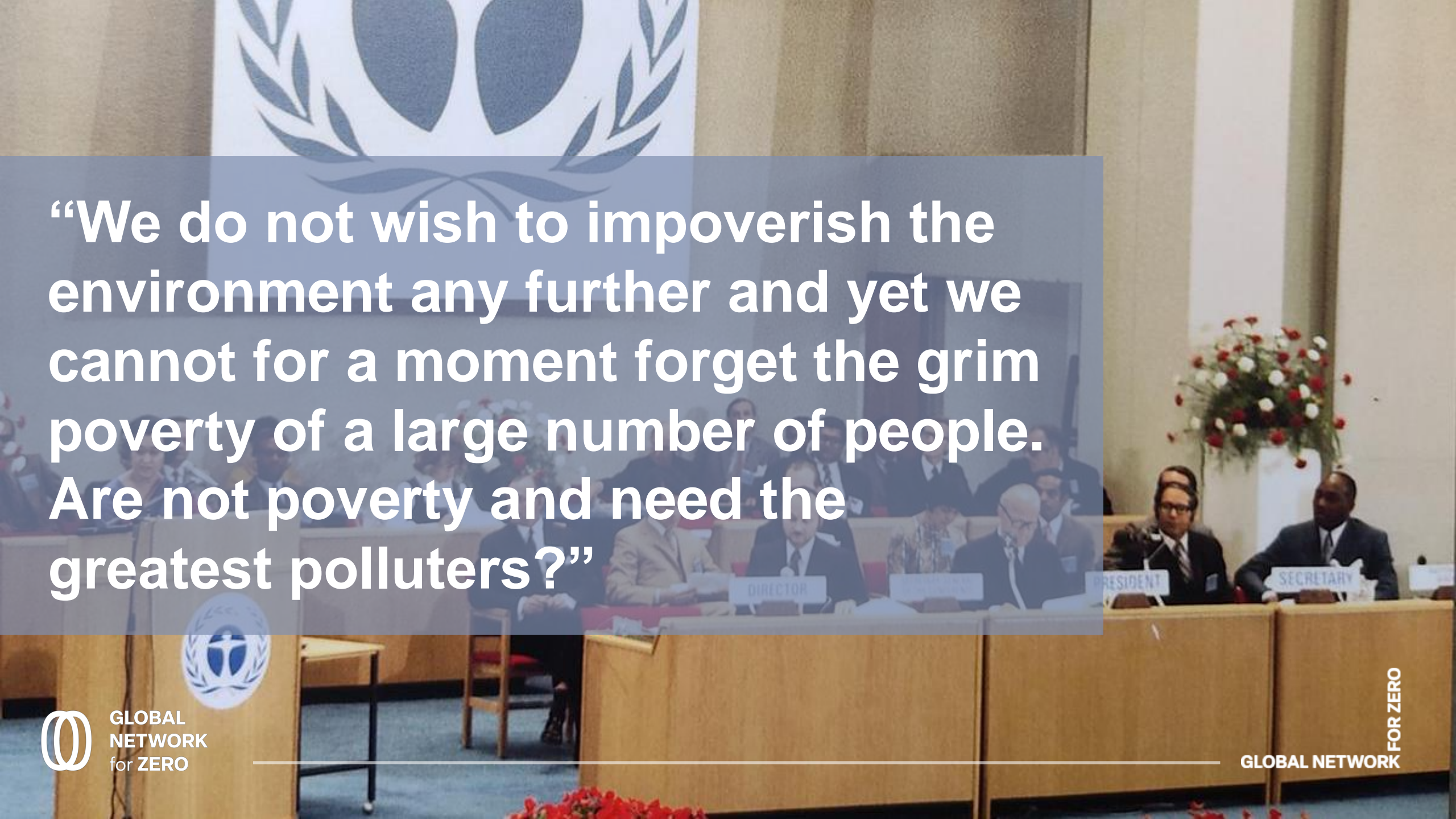


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“We do not wish to impoverish the environment any further and yet we cannot for a moment forget the grim poverty of a large number of people. Are not poverty and need the greatest polluters?”



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We should be making more personal, human-centric arguments about why decarbonization matters.



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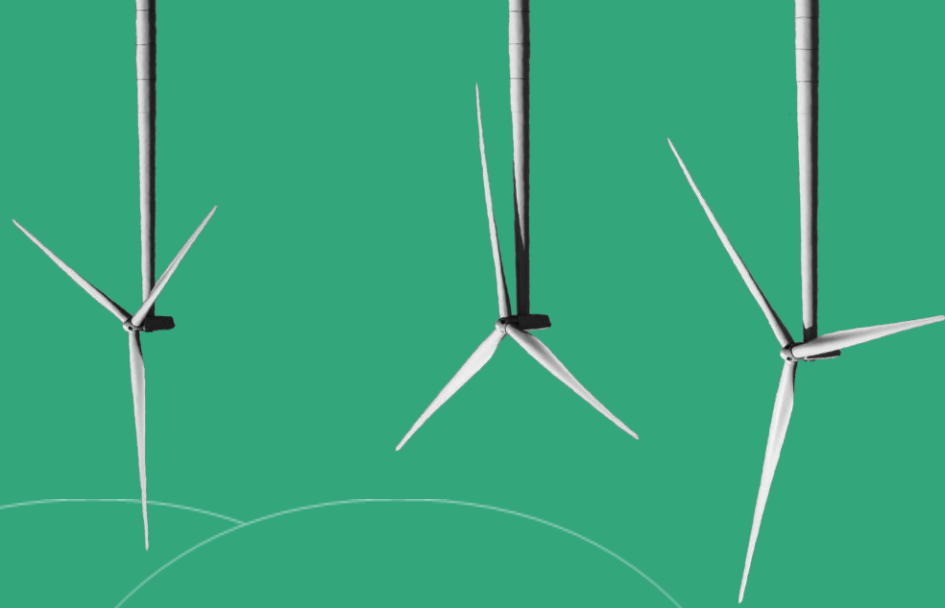


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We should be going all in on embracing holistic solutions — because those usually are the ones that account for the most 360 degree perspective of the human experience.

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 2024

Invest | Inspire

INVEST IN A CLEANER FUTURE



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MINISTRY OF
NEW AND
RENEWABLE ENERGY
GOVERNMENT OF INDIA

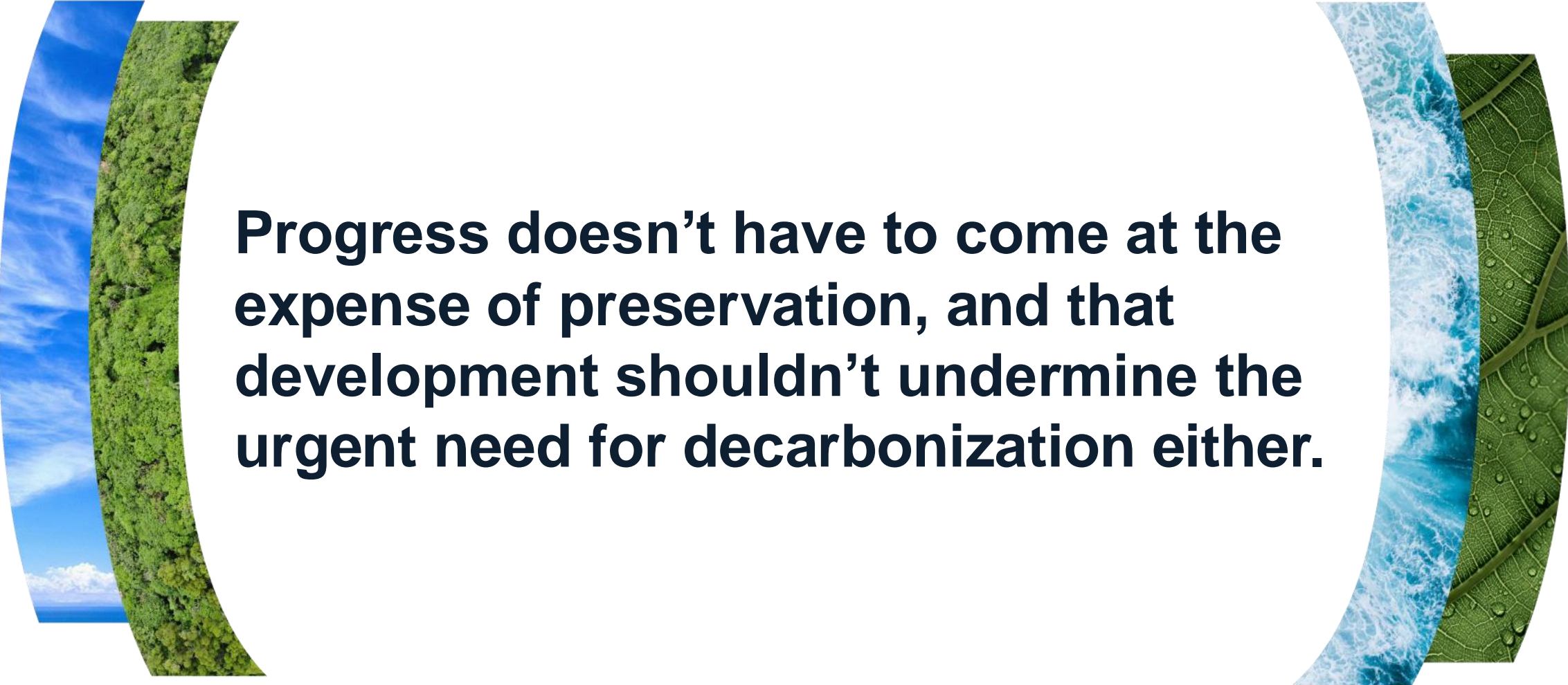
RE 

INVEST 2024
Invest | Innovate | Inspire

**4th GLOBAL RENEWABLE ENERGY
INVESTORS MEET & EXPO**

Host State:  India
In Partnership with:  

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Progress doesn't have to come at the expense of preservation, and that development shouldn't undermine the urgent need for decarbonization either.



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ACCELERATION



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DECARBONIZATION

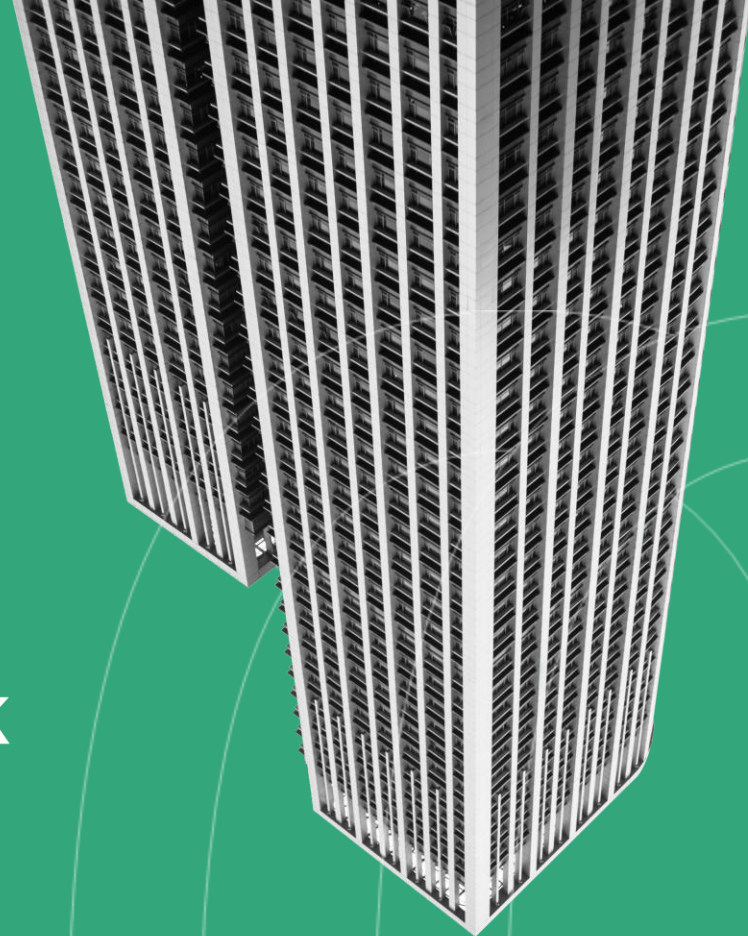
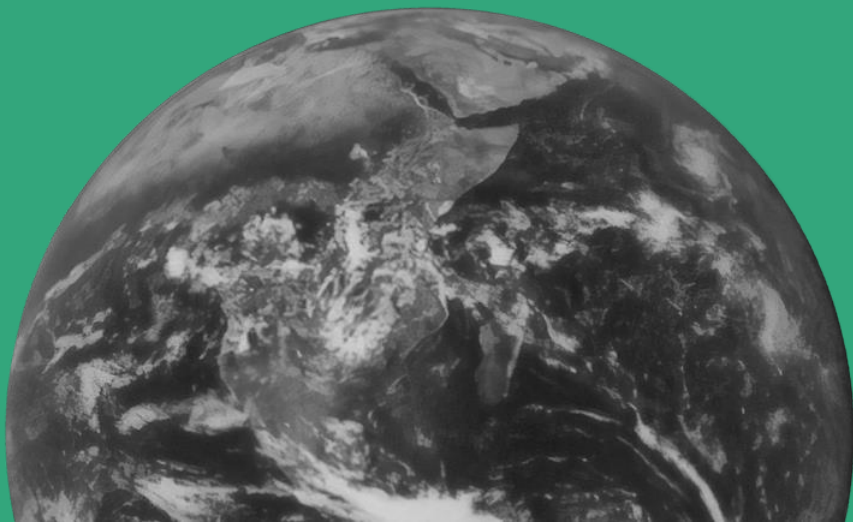


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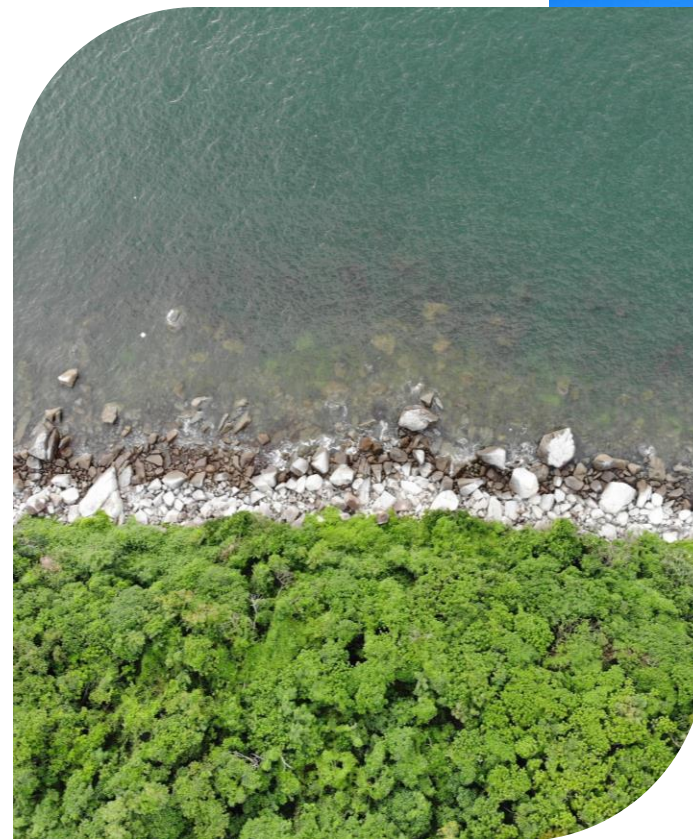
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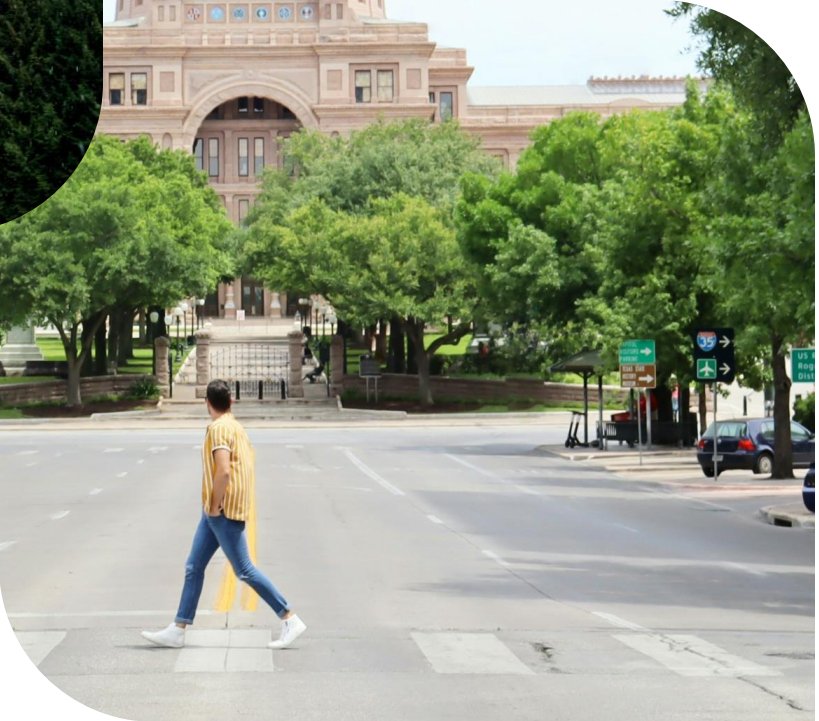
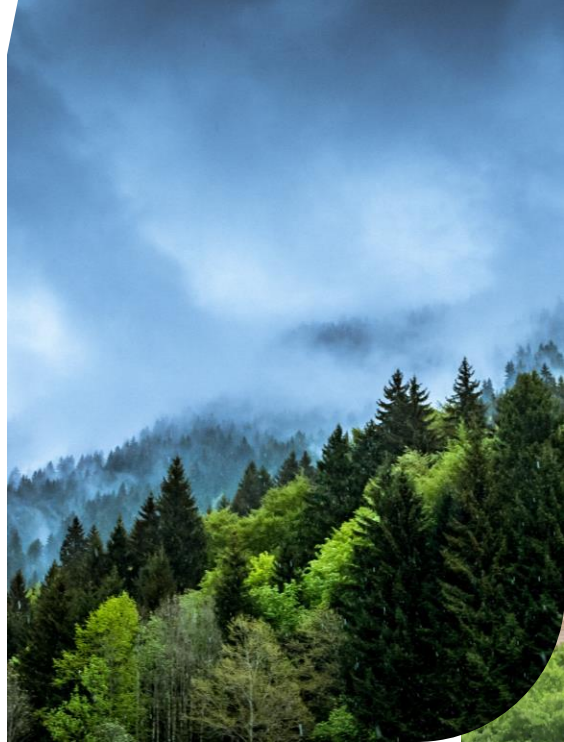


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We are rapidly expanding the net zero movement

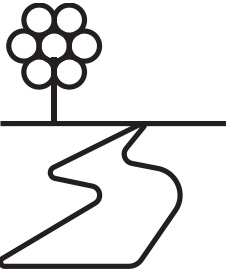




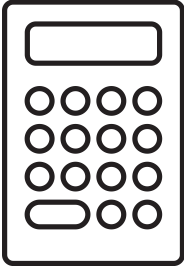
We created the world's first and only incremental net zero solution that focuses on addressing all Scopes

Execution and

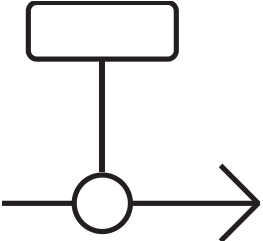
Education



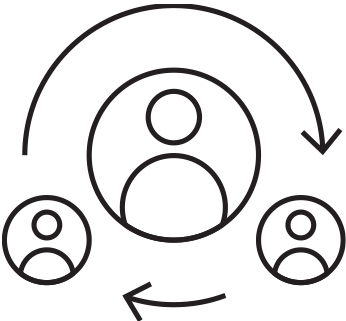
Choose your incremental path



Calculate your Scope 1, 2 and 3 emissions



Create your net zero roadmap and plan



Implement best in class net zero strategies



With GNFZ's support, move to Net Zero

First...

**set clear targets for
transitioning buildings or
portfolios to net zero —
ideally aligned with the Paris
Agreement's 2030 goals**



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Second...

**develop a
comprehensive plan**



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Third...

invest in innovation



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Fourth...

focus on enhancing
energy efficiency in
building operations



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Building Envelope

Wall, roof & exterior window film insulation

Window assembly replacement

Envelope leakage

Exterior window shading & light shelves

Vestibule

Cool roof



Fifth...

engage stakeholders



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Sixth...

a key to reaching zero and staying there is monitoring and reporting progress



Lastly...

**leverage public-private
partnerships**



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And then...

**engaging the community
from an education
standpoint is also crucial
in achieving net zero goals**



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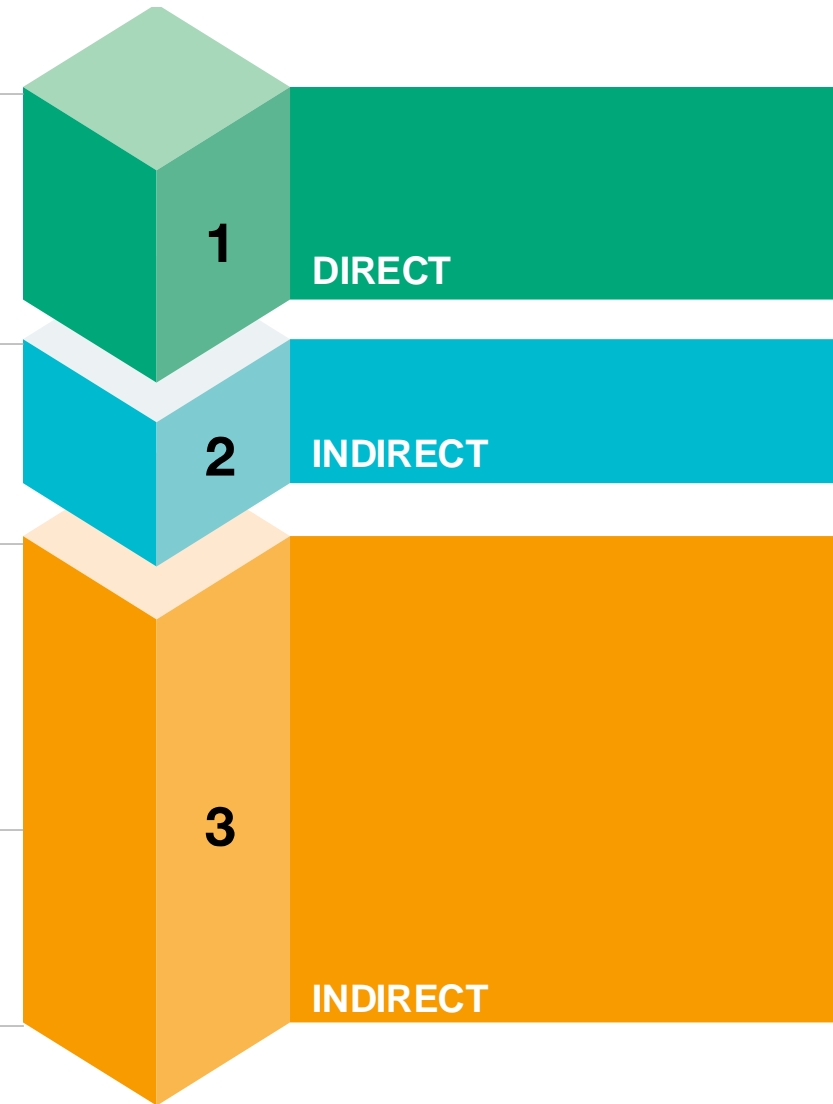
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1 Direct emissions from business operations

2 Power plant emissions from business energy requirements: their purchased electricity, steam, heat, and cooling

3 Indirect emissions from upstream, known as the supply chain, and downstream, which entails consumer and waste stream emissions, for products and services.

→ We created the world's first and only incremental, Scope 3-centric net zero solution





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SRK House

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**SRK Empire and SRK House
are the first GNFZ net zero
certified buildings in the world**

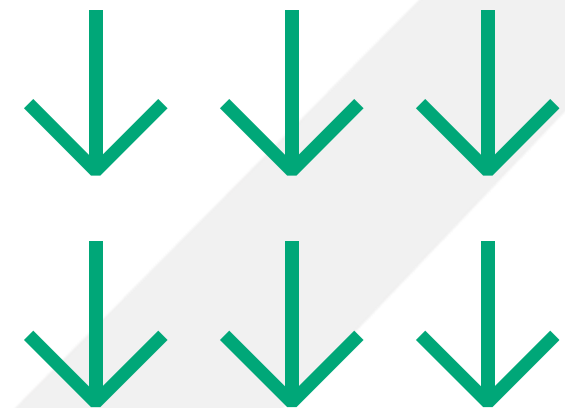


NET ZERO CERTIFIED



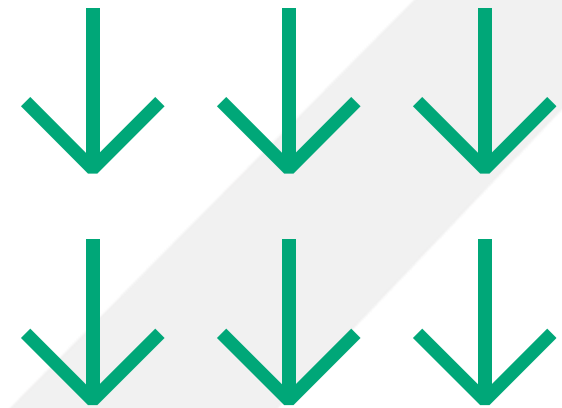
Reducing Scope 1 Emissions

- Implement a biogas plant for kitchen waste and to reduce natural gas consumption
- Upgrade cooking process to improve efficiency and quality of food
- Optimize food menu to ensure healthy foods and less cooking time
- Maintain ISO 22001 certification (Food Safety Management System)
- Control refrigerant leakage and use of non-CFC, non-HFC and non-PFC based refrigerants



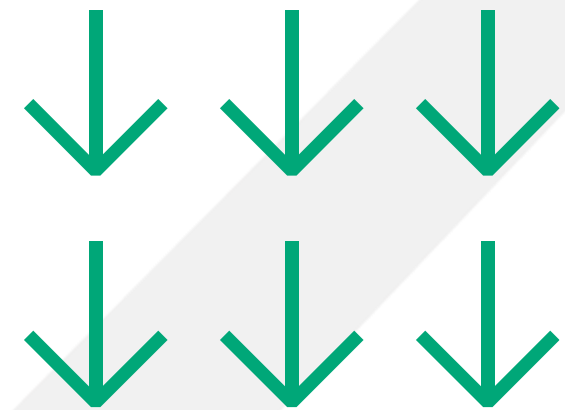
Reducing Scope 2 Emissions

- Install an off-site 6 MW solar power plant to mitigate the entire Scope 1 and Scope 2 emissions
- Ensure all energy consumed by both SRK Empire and SRK House is offset from the installed capacity of the proposed solar power plant



Reducing Scope 3 Emissions

- Promote bicycle use, rideshare, public transport, walking and electrical vehicle use
- Install solar-power electric vehicle charging station
- Convert electric cars for all cars owned by SRK
- Create an app to track daily commute modes and practices by employees
- Report on daily commute data to drive continuous improvement
- Plant trees over a 200-acre land area
- Maintain additional 30+ green sites
- Restrict plastic and paper use
- Strive for net zero water, net zero waste and net zero energy



SRK Impact in Numbers

4.5%

average net profit each year contributed to community welfare initiatives

\$3.5 million

USD contributed to solar projects

60,000+

students received educational benefits

500,000

trees planted

10,000+

tribal people supported with free medical care

30,000

meals distributed to vulnerable populations

6,500

employee meals distributed daily

3.5 million

people benefited from SRK's healthcare initiatives

30+ years

free medical service to tribal communities

100,000+

people benefited from SRK's relief center

48,000

people received financial aid for medical treatment

11,000

students awarded higher education opportunities

55 tonnes

of food distributed during COVID

14 of 17

UN SDG goals reached

What's next for SRK?



**Net zero certifications
for energy, water and
waste**

**From net zero
buildings → net zero
business**


CINCINNATI
INDUSTRIAL MACHINERY
www.cinind.com



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**We meet
people where
they are at.**



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Approximately 0.023%
of all the buildings in
the world are net zero



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STEVENSON
HIGHER SCHOOL

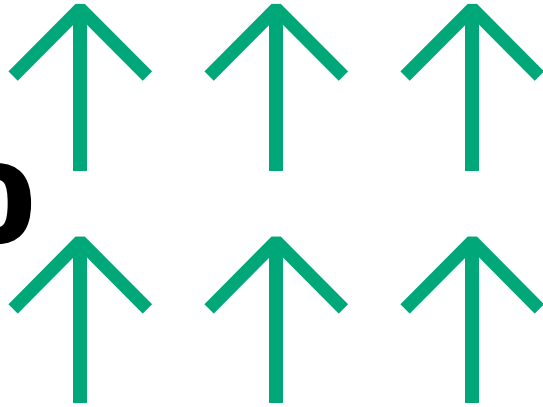


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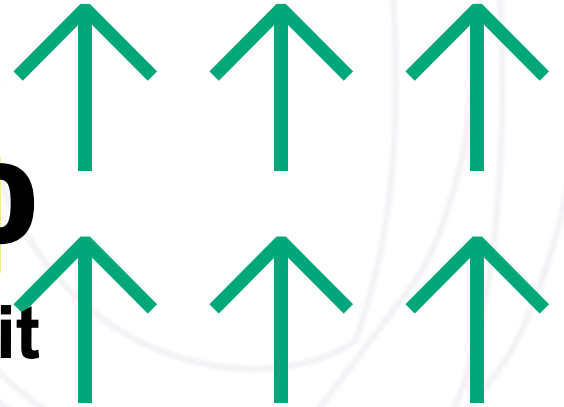


98.8%



of spaces have
views to the
outdoors

97.7%



of space is daylit



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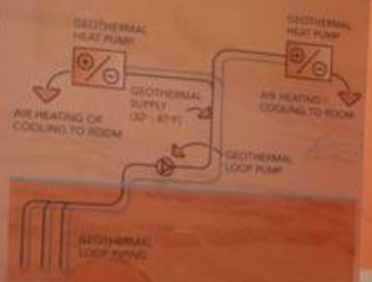
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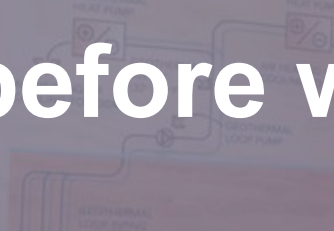
WHAT CAN THERMAL ENERGY DO?





WHAT CAN THERMAL ENERGY DO?

“We have to crawl, before we walk,
before we run...”



Mission of Mary
COOPERATIVE



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In 2019 it “produced 52,000 pounds of food on its 2-acre campus” — and it was able to do this while using 100 percent renewable energy.

method®



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ACCELERATION

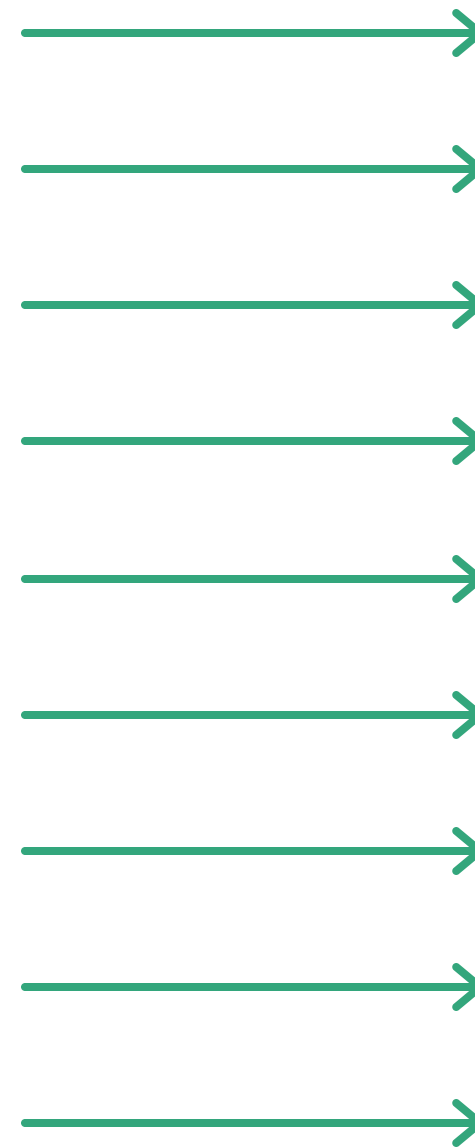


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You can see that shared vision for ensuring that when it comes to decarbonization, acceleration can and must be about agency.



A world where incorporating everyone's needs can enable region building and transformation at scale for everyone and in particular a net zero midwest.