





WHAT IS THE ACCELERATOR?

The <u>Industrial Decarbonization Accelerator</u> is a UNIDO-led network of international initiatives working to accelerate the shift of industrial organizations – both large and small – away from fossil-fuels. Working with governments, the private sector, and finance institutions in emerging economies, we help industry to rethink how they use energy.

OUR PARTNERS













WHY THE ACCELERATOR?

The race is on to protect a stable climate for generations to come

- Burning fossil fuels for energy consumption is one of the largest sources of global GHG emissions and over <u>a third of these</u>
 <u>emissions</u> come from the industrial sector.
- If business continues as usual, heavy industrial sectors such as cement, chemicals and steel will account for the world's entire carbon budget in 2050, and the climate goals will be out of reach.

- As the world transforms its energy system and solves the climate crisis, it is essential to work hand-in-hand with industry.
- More energy efficient manufacturing practices, higher recycling rates, electrification, green hydrogen and renewable power have the potential to drastically cut industrial emissions and therefore put the world on track to netzero.

OUR WORK

Centered on three areas of opportunity

1. Energy efficiency



Working with government and industrial stakeholders in emerging and developing economies, to drive momentum for energy efficiency with tailored training for industries, improved access to finance for entrepreneurs and policy advice for governments.

2. Renewables and alternative fuels



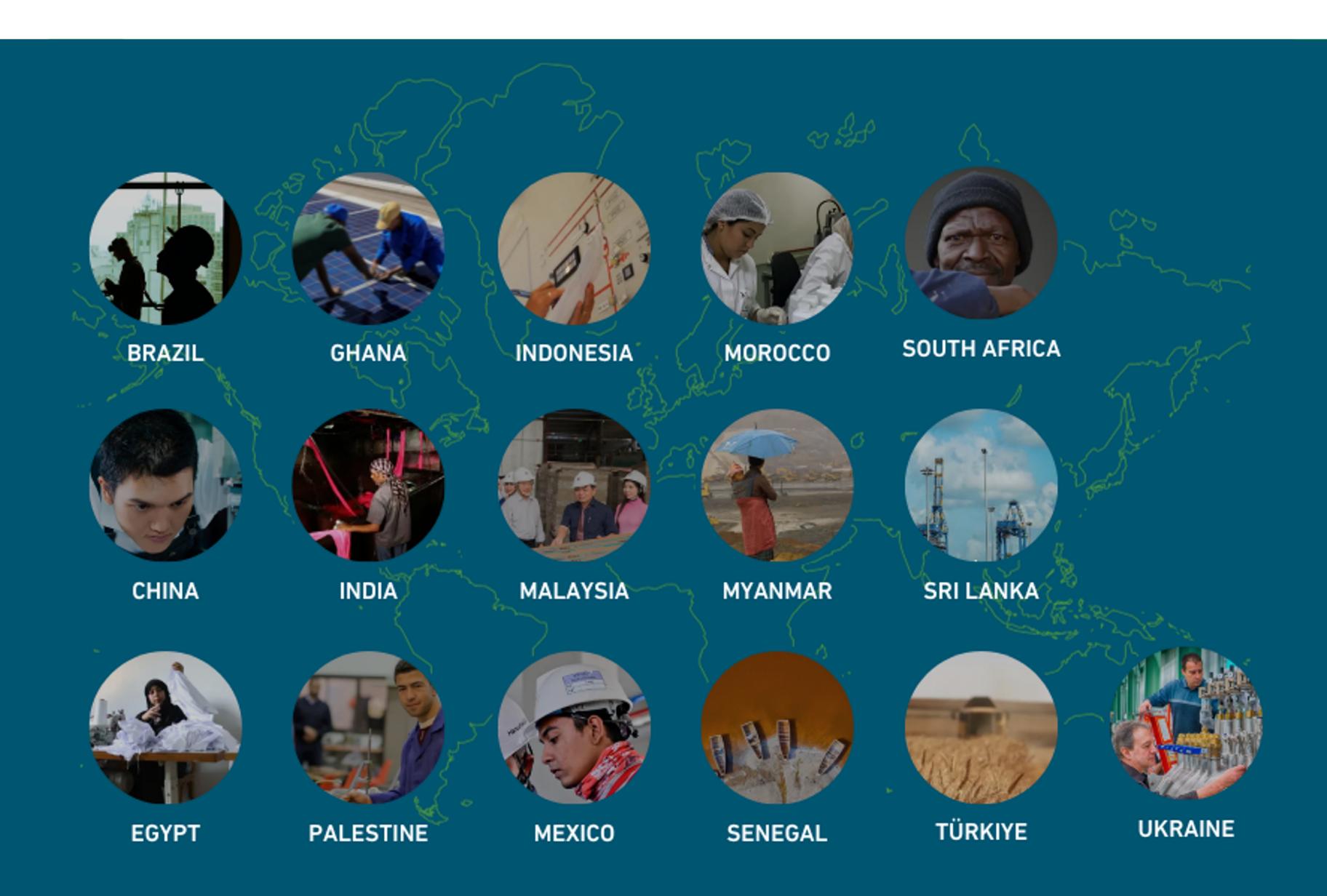
Helping industries from all sectors to integrate emerging sources of clean energy mainly to generate heat. These include biomass, solar thermal systems, green hydrogen, waste heat recovery technologies and others.

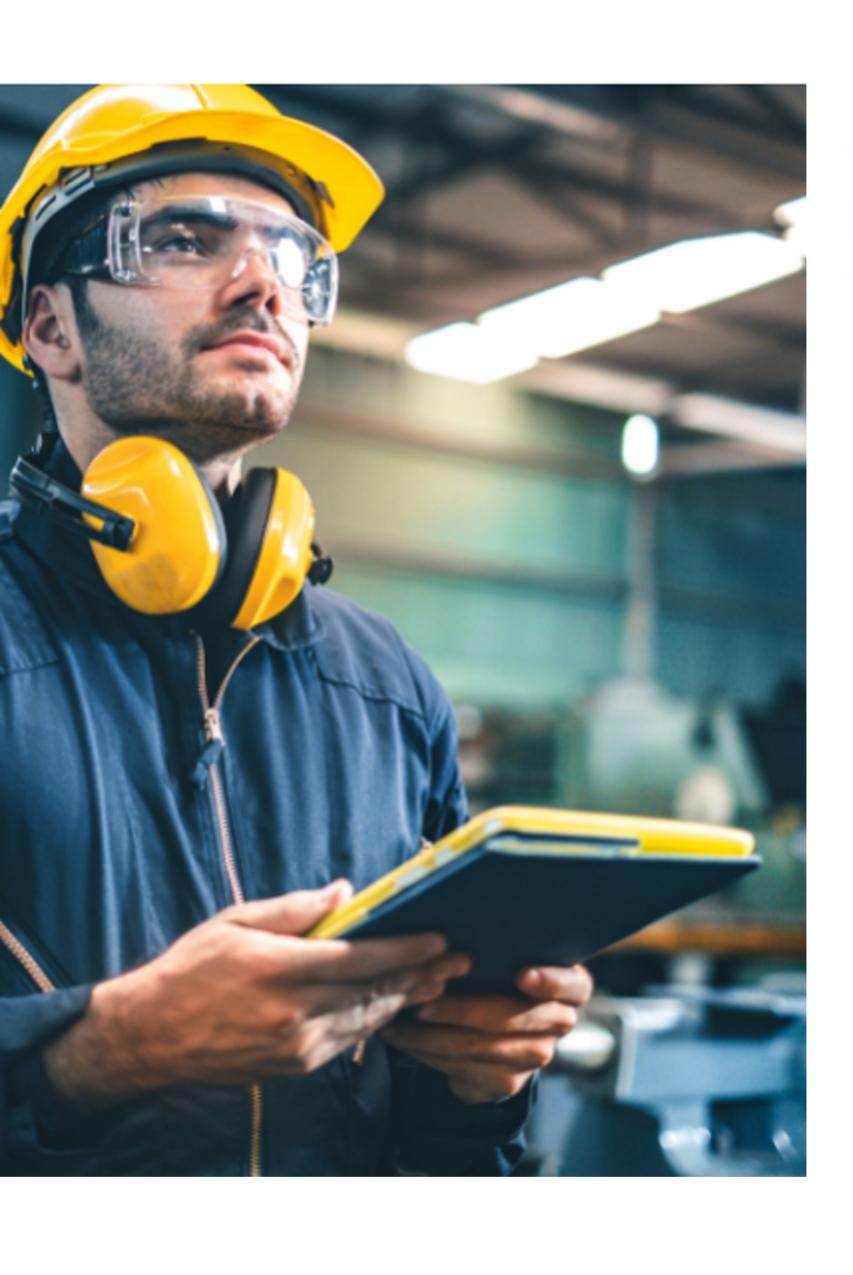
3. The Industrial Deep Decarbonization Initiative

Facilitating the creation of policy that enables industrial decarbonization, by creating a thriving market for low carbon industrial products such as steel and cement.

WHERE WE WORK?

16 countries so far, with large and/or growing industrial sectors





OUR APPROACH



Training and know-how



Financing solutions



Advocacy and policy support



Tailored support to MSMEs & SMEs



Data systems and transparency

KNOWLEDGE AND COMMUNICATION

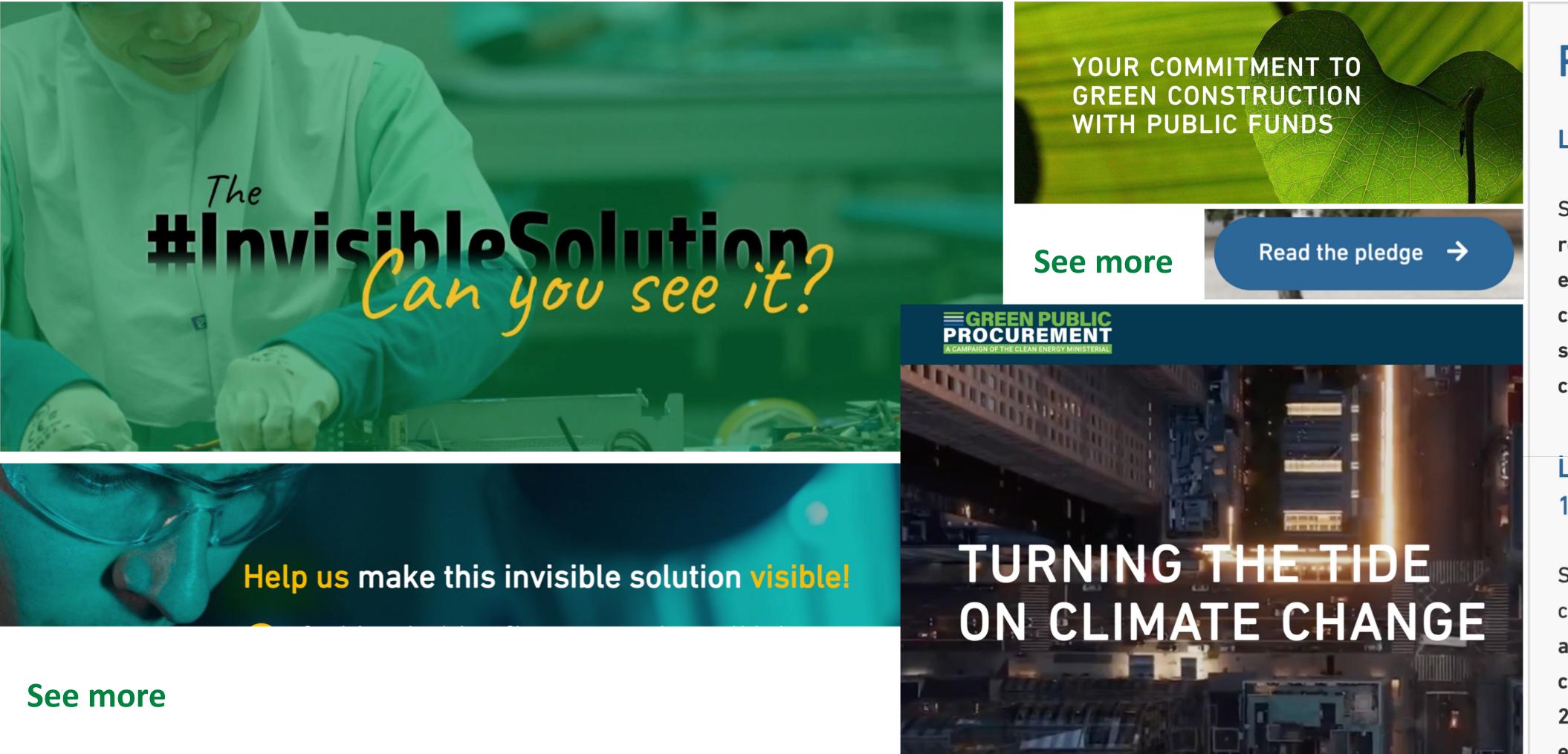
At the heart of the Accelerator's work



We systematically document what we learn through stories, thought leadership articles, case studies, reports, videos, infographics, knowledge kits and dedicated campaigns. We share this knowledge widely to inspire global action.

CAMPAIGNS

To mobilize urgent action and commitments



Pledge to:

Level One:

Starting no later than 2025, require disclosure of the embodied carbon in cement/concrete and steel procured for public construction projects.

Level Two (in addition to Level 1):

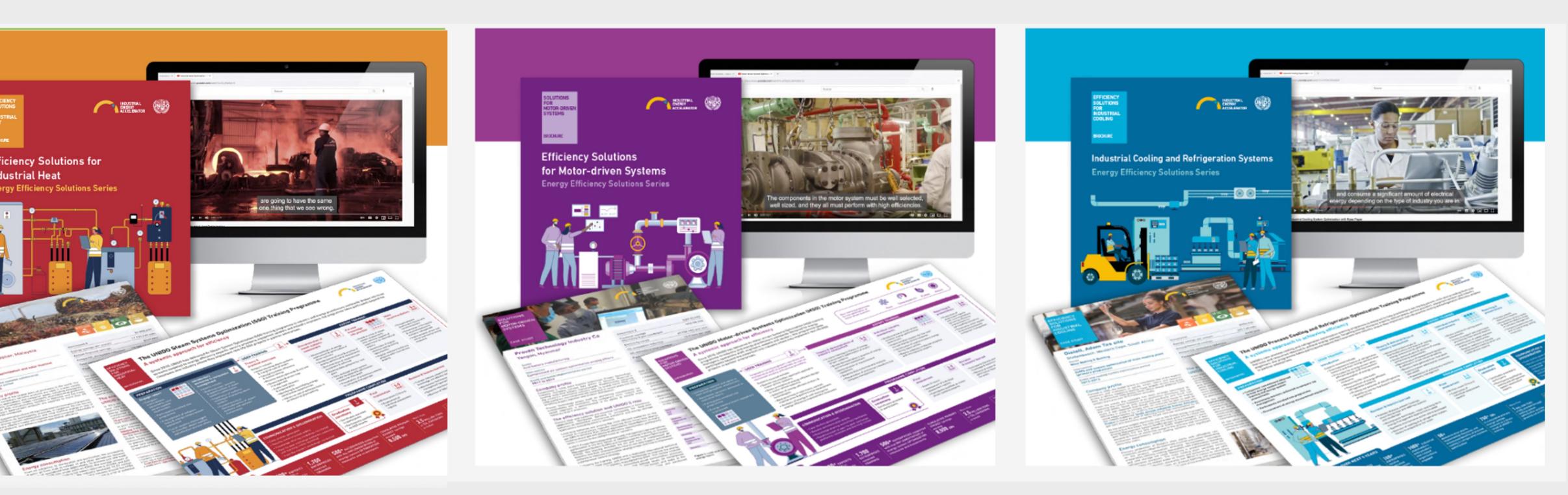
Starting no later than 2030, conduct whole project life cycle assessments for all public construction projects, and, by 2050, achieve net zero

EFFICIENCY SOLUTIONS KITS

To help industry leaders kickstart their energy efficiency journey



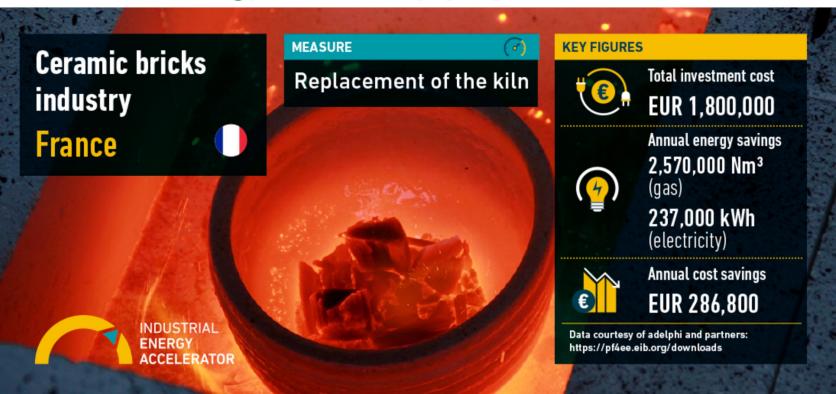




CASE STUDIES

To showcase solutions and demonstrate impact

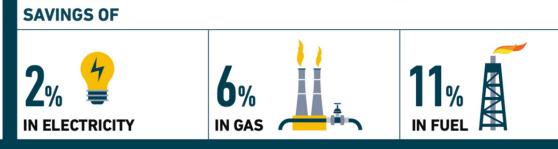








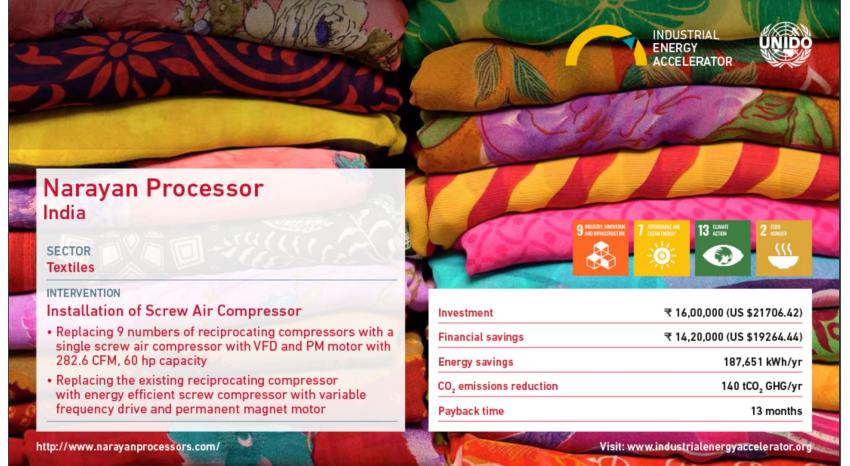
large energy users.





How do Energy Efficiency projects create value?

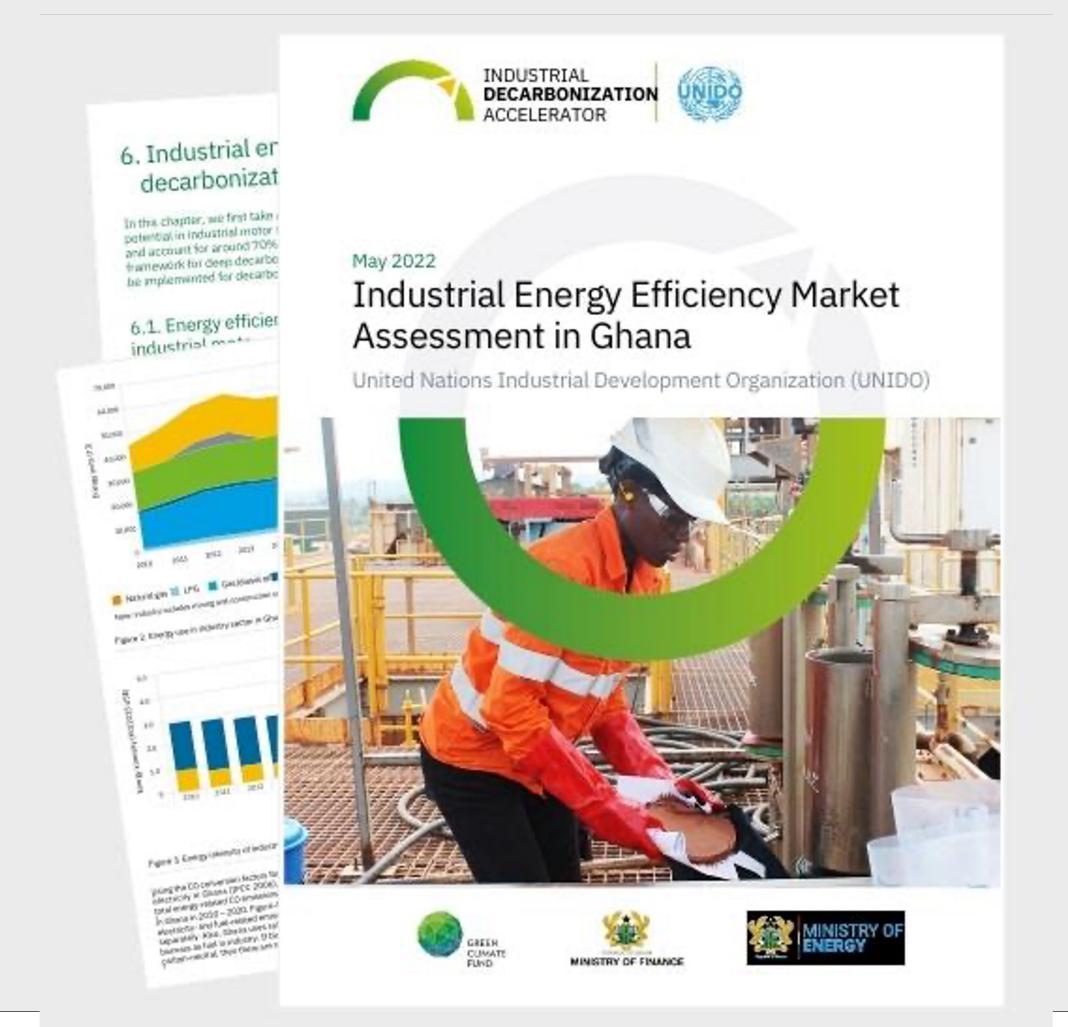


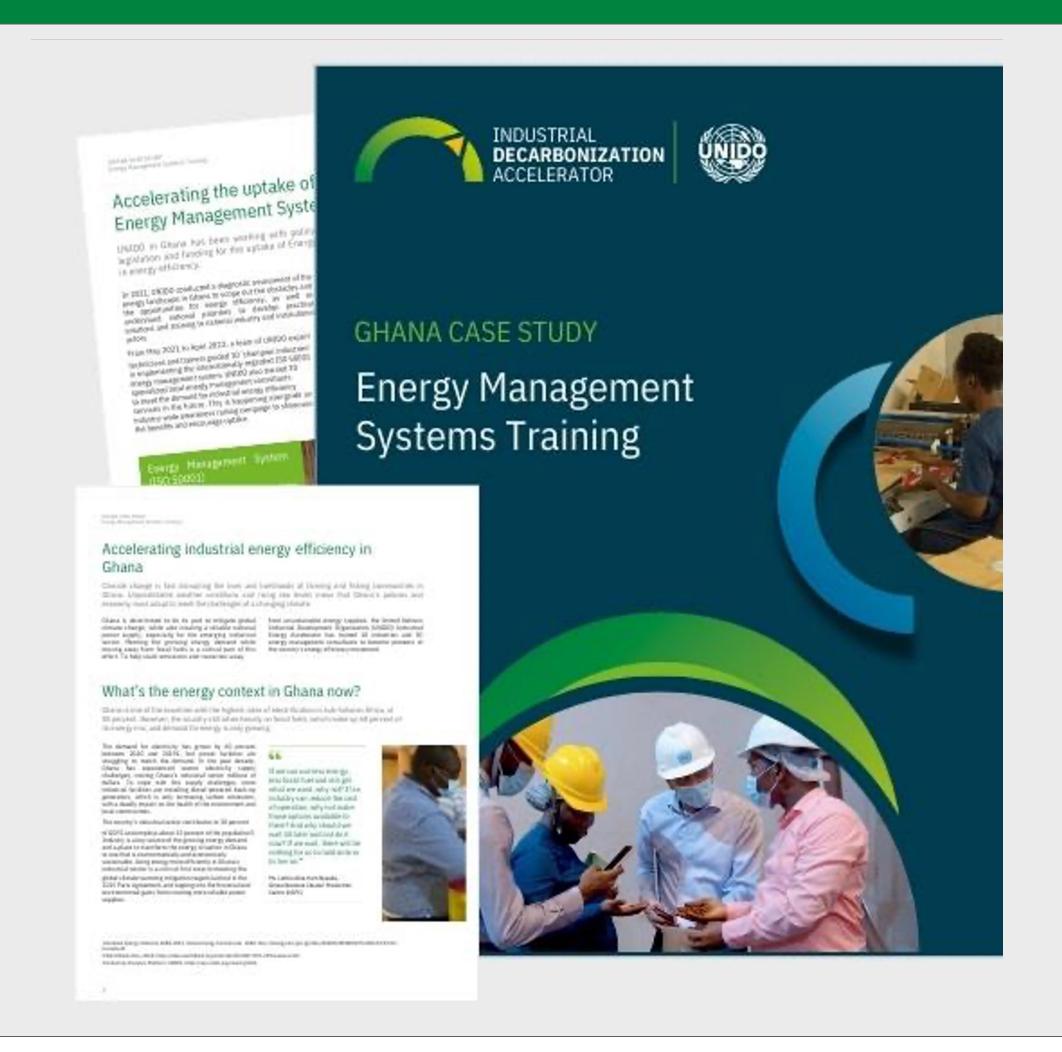




REPORTS AND ARTICLES

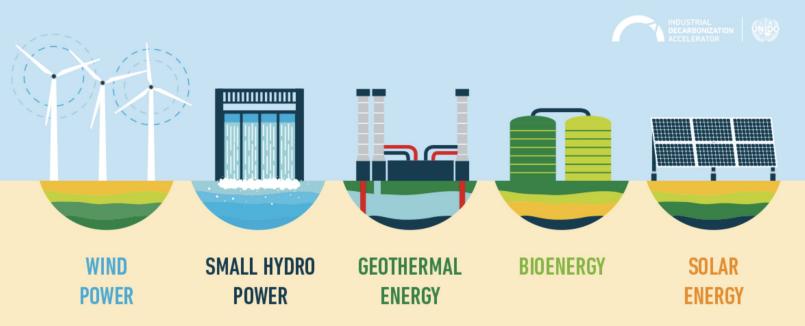
To dive deeper





INFOGRAPHICS

To visualize key data and processes

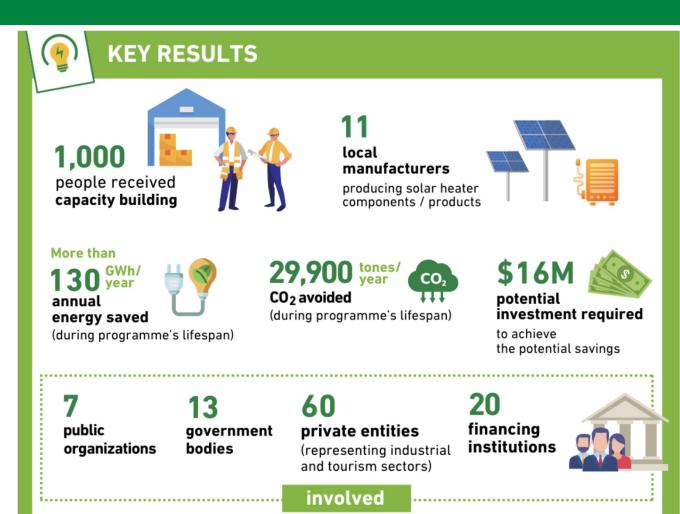


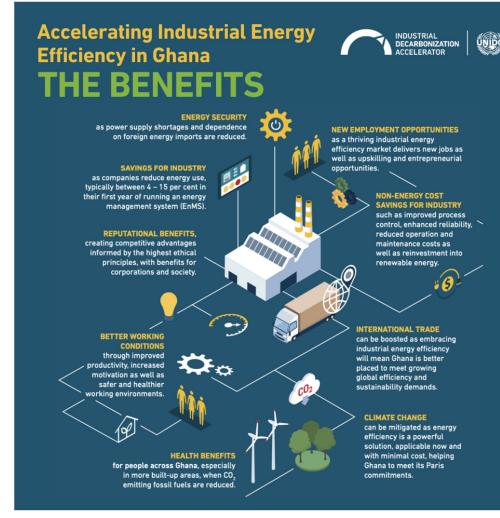




The easiest and cheapest clean energy solution lies in







20% **Cost-effective** motor system optimization measures and the replacement of inefficient motors can result in as much as a 20 per cent reduction in energy use.



by steel, cement and concrete.



the world is expected to build the equivalent of another New York City every month.2

20-30%

of global construction industry revenues come from purchases made by national, regional and local government entities together.4

TO ACHIEVE GLOBAL CLIMATE GOALS.

carbon emissions from steel, cement and concrete need to decrease by more than 90% by

THE WORLD COULD SAVE

billion tonnes of community billion to bill billion tonnes of carbon

even if 35% of the steel and 60% of the cement

used in public construction projects was very lowemission. This is more than all the carbon emissions generated by the commercial aviation industry in 2019. 6







SOCIAL MEDIA CHANNELS

To amplify our lessons learned and build community

#ClimateSummit2023









Comment



UNIDO's Industrial Decarbonization Accelerator

Sreat news Industrial Motors Efficiency Program - IMEP Project and UNIDO Egypt! First Measurement and Verification (M&V) training taking place in #Egypt this week =

Check out this handy fact sheet to learn more about Measurement, Reporting and Verification (#MRV): https://lnkd.in/gnCm2tg4

#decarbonization #energyefficiency



Industrial Motors Efficiency Program - IMEP Project

First "Measurement and verification (M&V)" training taking place in Egypt from 10-13 September 2023 by UNIDO international experts Siraj Williams

and Albert Williams & &

UNIDO Egypt

#decarbonization

#energyefficiency

#efficientmotors

#measurementsolutions







UNIDO's Industrial Decar

@EEAccelerator

We inspire wide-scale global action #climatechange and to benefit peor

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Posts

Highlights

Media

and Industrial Decarbonization Unit

or standards for banks

to finance them."

-Rana Ghoneim.

Chief of the Energy Systems

Likes

This month, we're focusing on #energyefficiency. Did you know that the easiest and cheapest clean energy solution lies in the energy that we don't use!

UNIDO's Industrial Decarbonization Accele... @EEAcceler... · Sep 29 · · ·

William NEW ARTICLE: How do we unlock climate finance to decarbonize heavy-emitting industries - steel, cement, concrete? Collaboration is the

Our article on last week's 'financing #decarbonization' roundtable covers highlights of the discussion — industrialenergyaccelerator.org/general /how-to...



UNIDO's Industrial Decarbonization Accele... @EEAcceler... · Sep 15 ··· Our goal is to speed industry's move from fossil fuels toward:

#energyefficienc

We're working with governments, the private sector & finance institutions in emerging economies to help industry rethink #energyuse:



Thank you



Visit: industrialenergyaccelerator.org Follow us on:



