



INDUSTRIAL DEEP
DECARBONISATION

AN INITIATIVE OF THE CLEAN ENERGY MINISTERIAL

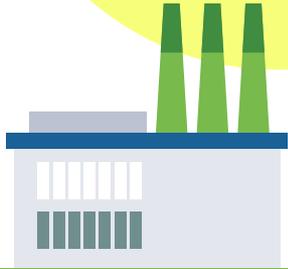
THE INDUSTRIAL DEEP DECARBONISATION INITIATIVE (IDDI)

Turning the tide
on climate change



WHO IS IDDI?

IDDI is the largest and most diverse coalition of governments and private sector working to decarbonise heavy industries, starting with steel, cement and concrete.



WHO'S INVOLVED?

Coordinated by UNIDO, IDDI is co-led by the UK and India and current members include Canada, Germany and United Arab Emirates (UAE), with more countries joining the effort.

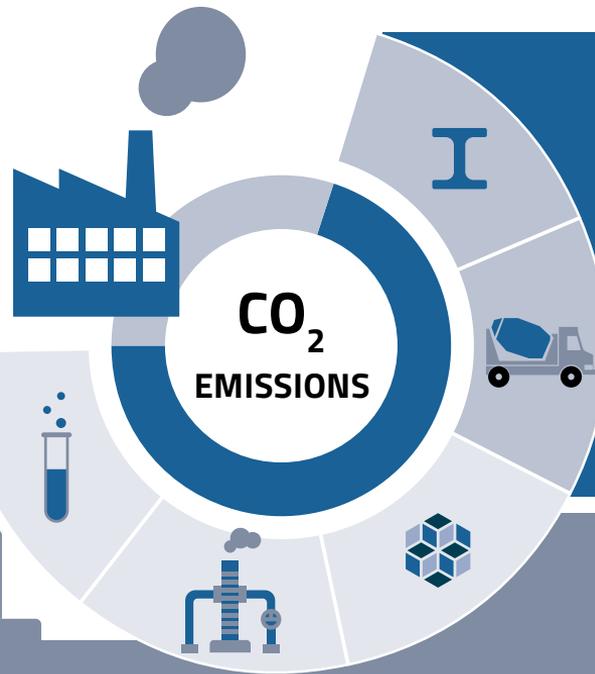
IDDI also brings together a strong coalition of related initiatives and organizations including the Mission Possible Platform, Steel Zero Campaign, The Climate Group, the Leadership Group for the Industry Transition (LeadIT), the International Renewable Energy Agency (IRENA) and the World Bank.



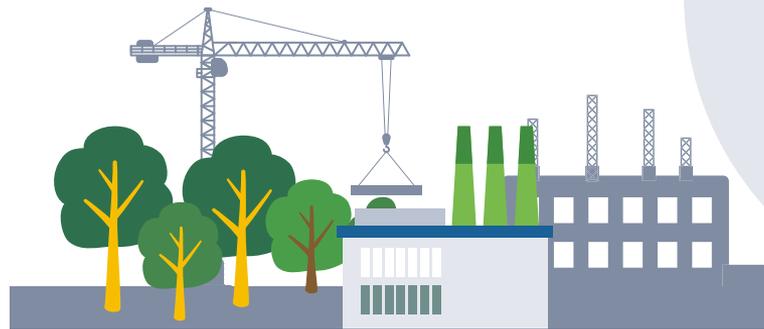
WHY IDDI?

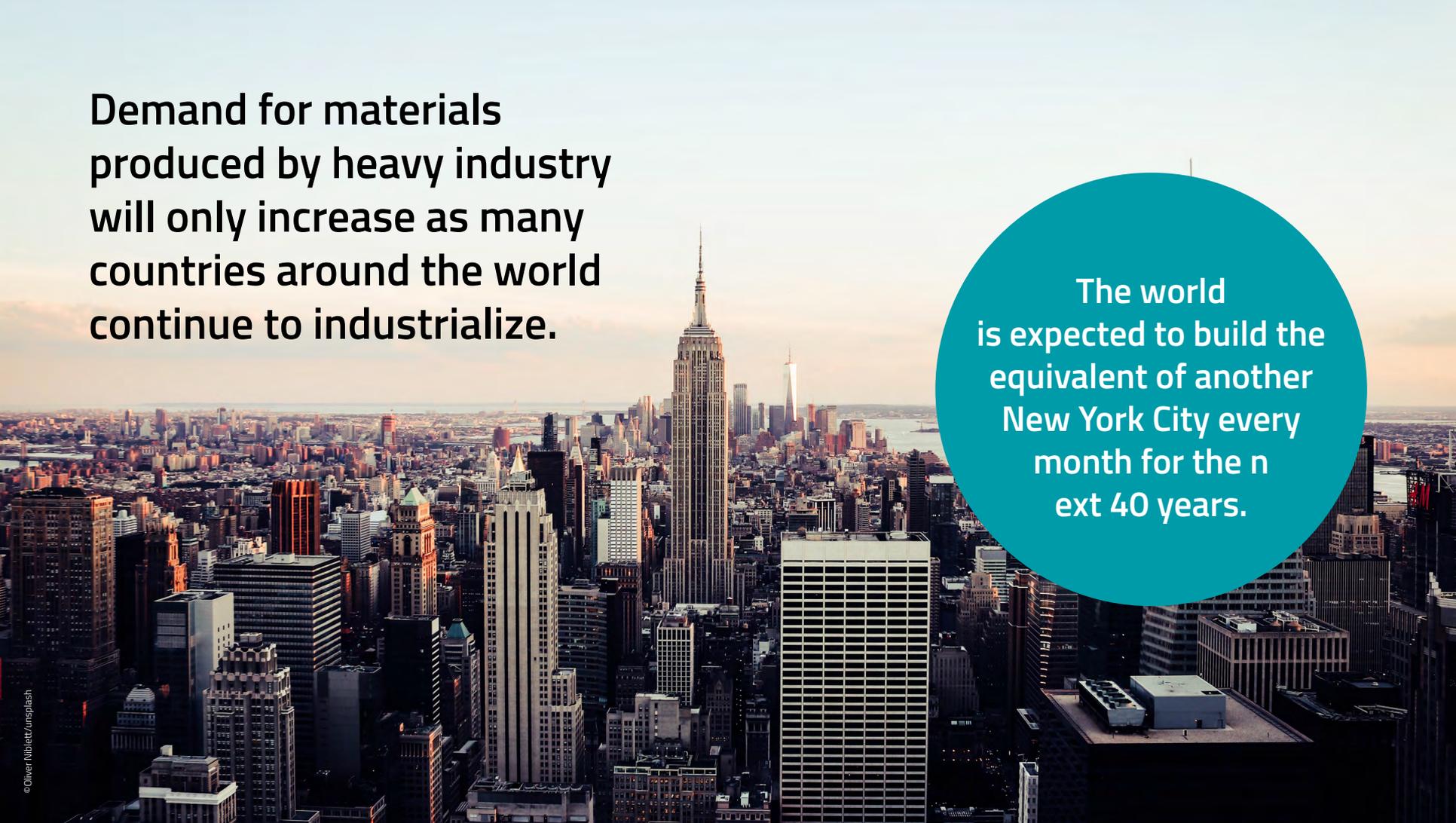
Heavy industry drives the engine of our modern world,
but they are also one of the largest CO₂ emitters.

The top five CO₂-emitting industries (steel, chemical, cement, concrete, aluminum, and refining industry) account for around **70 per cent** of total global industrial emissions.



Together, **steel, cement and concrete**, are responsible for **14-16%** of global energy-related CO₂ emissions.

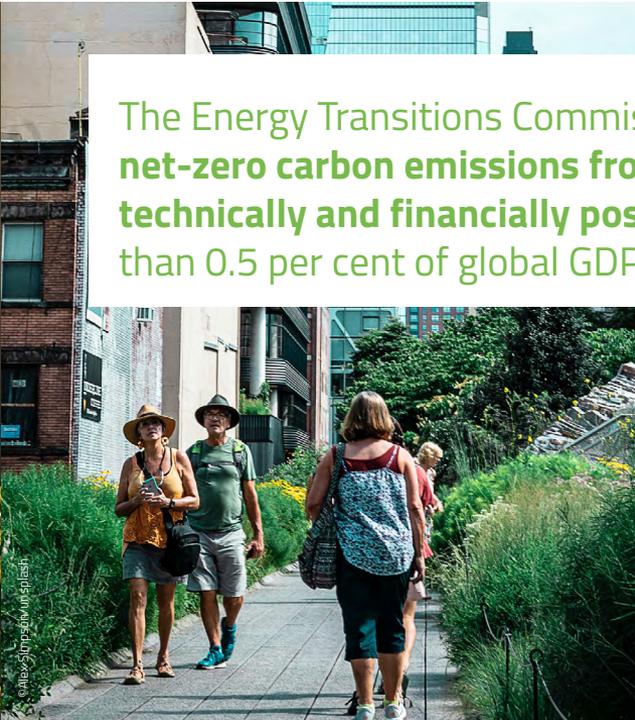


An aerial view of the New York City skyline at sunset. The Empire State Building is the central focus, surrounded by other skyscrapers. The sun is low on the horizon, casting a warm glow over the city. The Hudson River is visible in the distance.

Demand for materials produced by heavy industry will only increase as many countries around the world continue to industrialize.

The world is expected to build the equivalent of another New York City every month for the next 40 years.

Decarbonising heavy industry can turn the tide on climate change. With new technologies, growing political will and global momentum – we can do it.



IDDI'S APPROACH

The gap that we want to bridge

There are **two key gaps** in promoting the decarbonisation of industrial sectors.

- Data and standards
- Green public procurement policy



OUR THREE PATHWAYS TO ACHIEVE CHANGE



PATHWAY

1

Building the foundations to enable a thriving global market.

ENABLING ENVIRONMENT



PATHWAY

2

Empowering governments to buy near zero carbon materials for their public works.



PATHWAY

3

Encouraging governments to disclose and reduce embodied carbon emission in public construction projects.

POLITICAL WILL

Our three pathways to achieve change

PATHWAY



Building the foundations to enable a thriving global market.

What is green steel, cement and concrete?

A large part of IDDI's work is creating global standards for near zero carbon materials and how to report against them. IDDI will develop:

- Consistent, **global standards** for near zero carbon steel, cement and concrete
- A standard **environmental reporting mechanism**
- An **evaluation process** and tools for project bids which incentivise and reward public work contractors.

Our three pathways to achieve change

PATHWAY

2



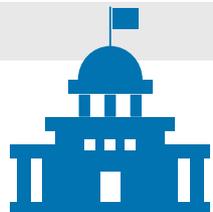
Empowering governments to buy near zero carbon materials for their public works.

Green Public Procurement

Using the purchasing power of governments is an efficient way to increase demand for low carbon products.

- Government agencies are top purchasers of steel, cement and concrete for infrastructure projects, which can account for 40% of cement and concrete and 25% of steel nationally.
- IDDI will set a globally recognised pledge for GPP for industrial materials and establish voluntary guidelines for governments to write policy and implement this pledge.
- We will also launch a free or low-cost certification service for manufacturers.

Our three pathways to achieve change



PATHWAY

3

Encouraging governments to disclose and reduce embodied carbon emission in public construction projects.

Within the next three years IDDI expects to have enabled a minimum of ten governments to pledge to reducing embodied carbon emissions of all major public construction projects by 2050 in line with a 1.5C global warming trajectory.

Governments joining IDDI will chose the level of ambition for their pledge:

**Ambition level 1
DISCLOSE**

By 2025, governments to begin to disclose embodied carbon emissions.

**Ambition level 2
DISCLOSE + NET ZERO**

By 2050, governments achieve net zero embodied carbon emissions in public construction.

**Ambition level 3
DISCLOSE + NET ZERO + 2030 TARGET**

By 2022, governments commit to work towards a bold pledge to reduce embodied carbon emissions as early as 2030.

IDDI government partners will provide information on their progress annually and share their learnings with other participating governments.

Why get involved?

The more partners that join, the more people and the planet will benefit.

- Build on and consolidate work already happening around the world.
- Contribute to global harmonisation of standards and methods to prevent duplication and bring transparency and credibility to the decarbonisation process.
- Share knowledge and expertise to shorten the learning curve.
- Access frameworks and tools, global technical experts and industry stakeholders.
- Help make the transition to low-carbon industrial materials cheaper and faster.
- Access a platform to bring your inputs to the attention of governments.



“If you make it, we will buy it”
is the message from our government partners.



**Contact us today to join the coalition and help fast-track
a green future with low-carbon steel, cement and concrete.**

Email

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Website

www.cleanenergyministerial.org/initiative-clean-energy-ministerial/industrial-deepdecarbonisation-initiative