Energy-Intensive-Industries

CHALLENGES AND SOLUTIONS FOR A SUSTAINABLE TOMORROW



> WHAT ARE ENERGY INTENSIVE INDUSTRIES (EIIs)?

Ells are industrial sectors that **use** a **lot of energy** in their production processes.





Steel manufacturing



Cement



Glass



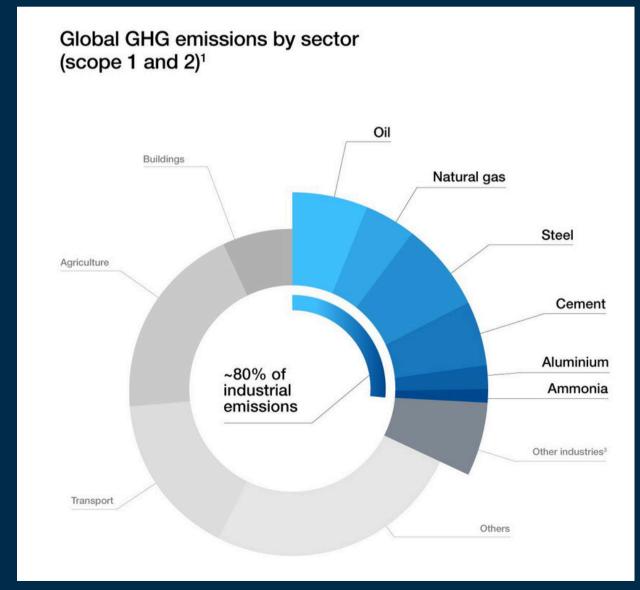
Chemicals



>WHY ARE THEY CRUCIAL?

Ells produce **essential** materials for infrastructure and industry.

However, their high energy demand also makes them **key players in the transition** to a sustainable energy future.



Source: UNITED NATIONS FRAMEWORK CONVENTION ON CLIMATE CHANGE

> Ells CHALLENGES



> HOW TO GET ON TOP OF THESE **CHALLENGES?**

Putting RSFs together with Digital Twins is helping Ells cut their carbon footprint and work more efficiently.

RSF



Green Hydrogen

Ammonia

DIGITAL TOOLS







THE FUTURE OF EIIs LIES IN DIGITALIZATION, ENERGY EFFICIENCY, AND THE ADOPTION OF CLEAN TECHNOLOGIES.

Advances in **RSF** and **Digital Twins** will be critical to achieving a more sustainable industry.





WANT TO KNOW MORE ABOUT HOW ENCODING IS LEADING THIS CHANGE?

Follow us and visit our website to find out!

https://encoding.ulb.be/



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