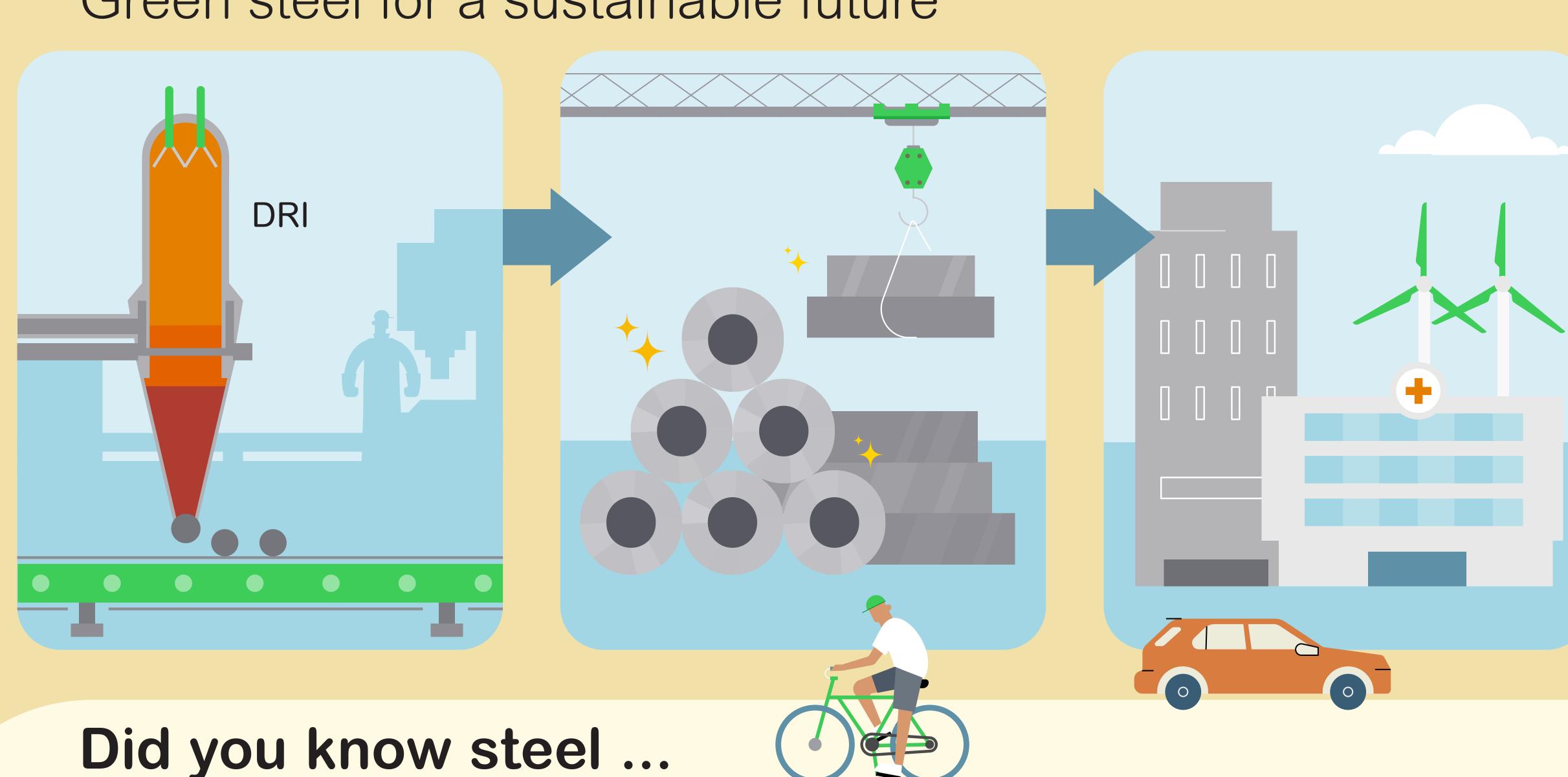
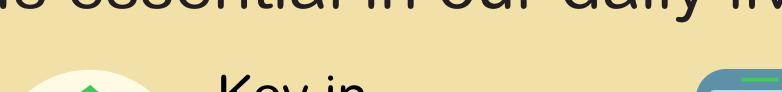
Rethink steel...

Green steel for a sustainable future



Is essential in our daily lives?

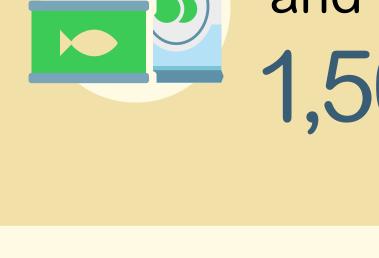




Key in urbanization Protects and provides frameworks for buildings¹



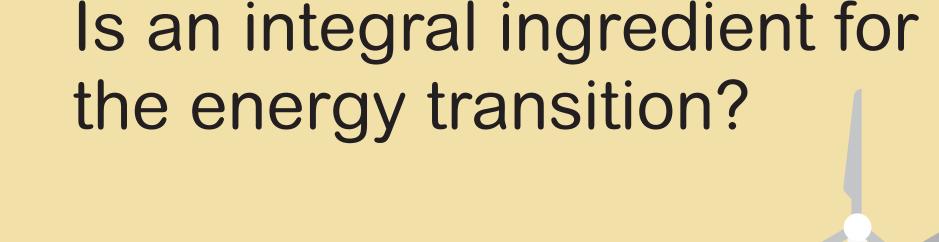
Ensures mobility 100% of rail tracks are steel¹

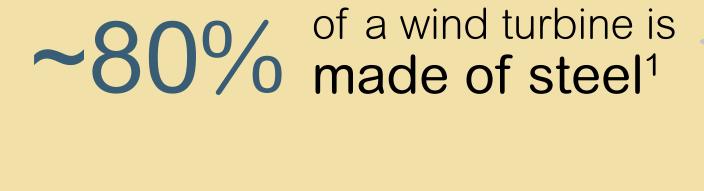


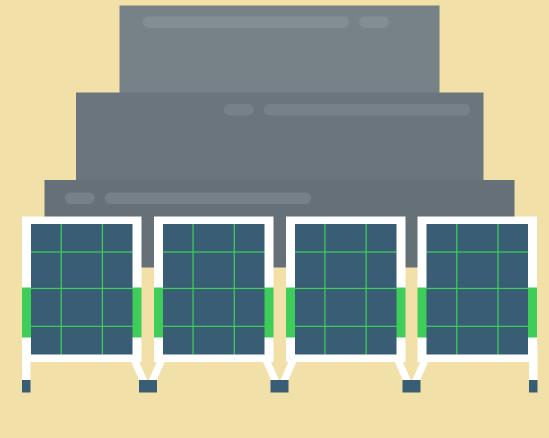
Delivers food and beverage food and drink items are canned¹

Is one of the most highly recycled materials in use today?





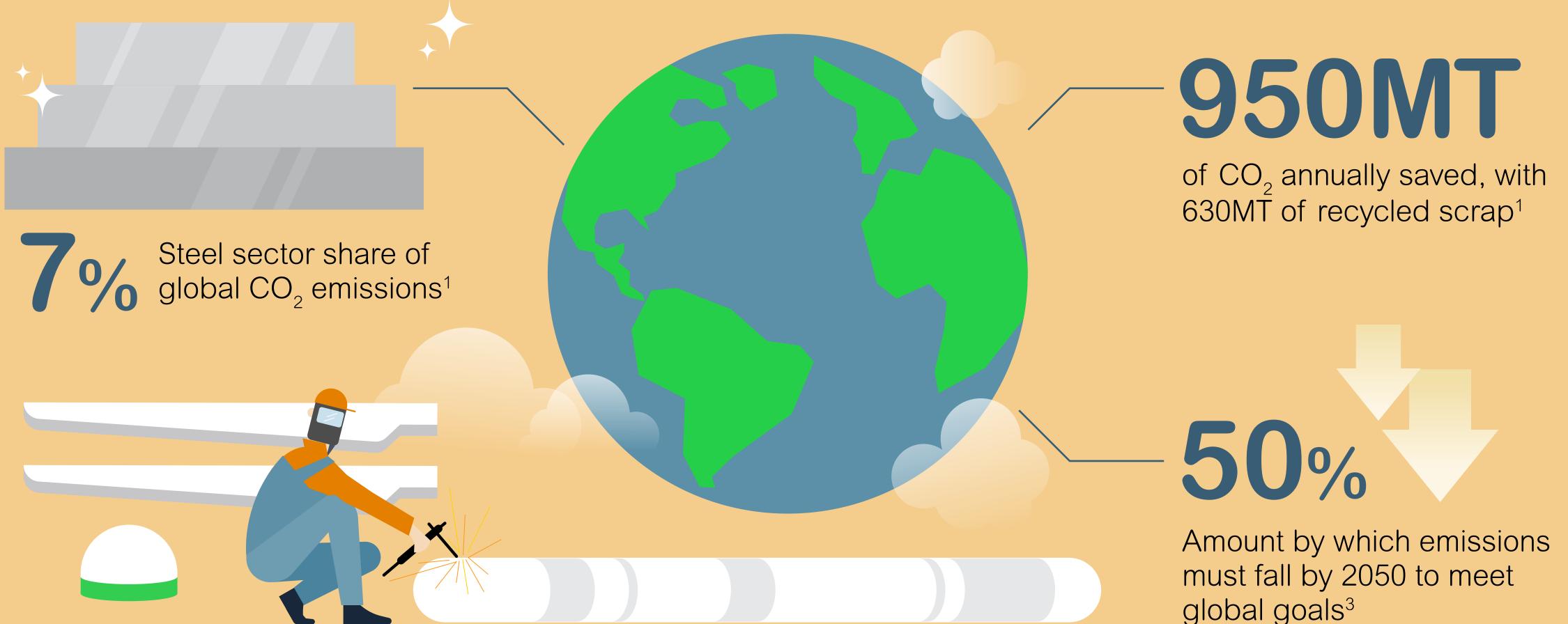




Design flexibility makes adding efficient insulation and

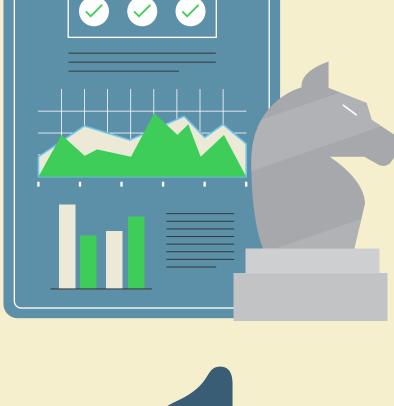
solar panels easy

An essential industry looking into climate control



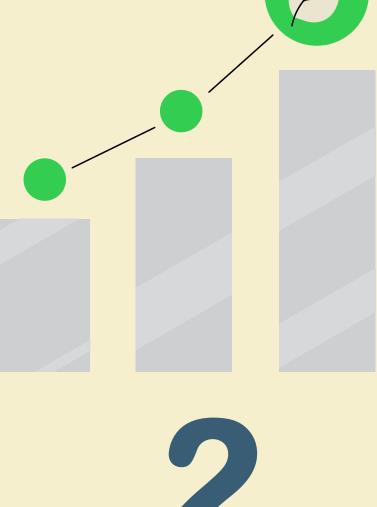
A step-by-step sustainability strategy toward green steel Where do I start?



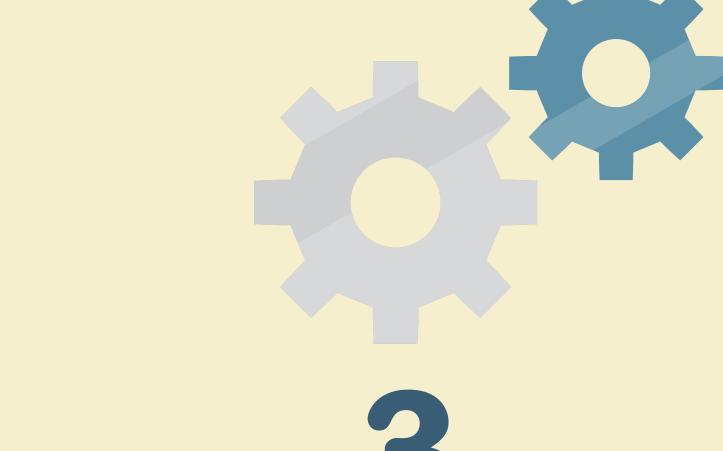


data-driven view of energy and carbon emissions

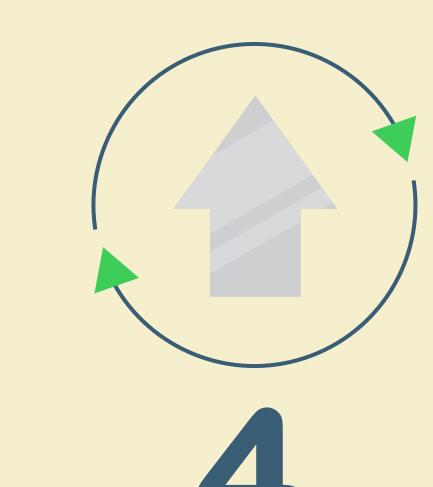
Get a strategic and



Build a roadmap



Execute



Measure and improve

We can be with you all the way

Evolutionary approaches Revolutionary approaches

Companies already on the path toward green steel

Current assets efficiency

» Energy efficiency 38% energy gain through

modernization and consumption remote monitoring at ArcelorMittal Fos-sur-Mer unit. » Process efficiency 6.7 M of steel produced sustainably

every year at ArcelorMittal Dunkirk plant, with

a process automation upgrade that reduces dust while improving steel quality. New infrastructure » Balanced energy mix

at BlueScope, equivalent to 900,000 cars off the road.

reduced through renewable energy

Redefining processes



» Zero-carbon process

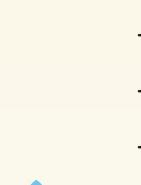


emissions reduction.4 **New** steelmaking processes are



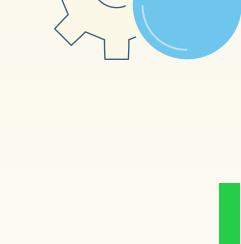
- Innovative blast furnace concepts - Carbon Capture and Utilization (CCUS) - Biofuel

critical, but there is no single right answer:



- Hydrogen/DRI/EAF - Electrification of process

95% emissions reduction potential



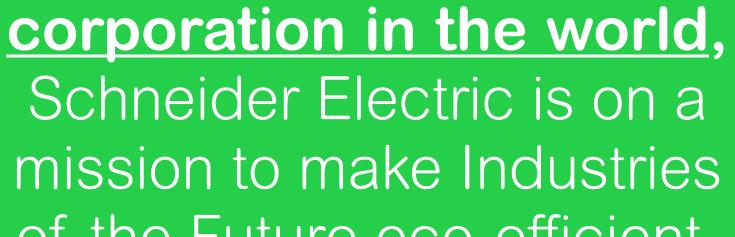
More efficient use of energy and materials can help but will not be sufficient.

An evolutionary to revolutionary

approach can help to decarbonize

through hydrogen technology.⁵

the steel business.



As the most **sustainable**

of the Future eco-efficient, agile, and resilient, driving them on a step-by-step sustainability journey. Source:

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