

BOSTON METAL

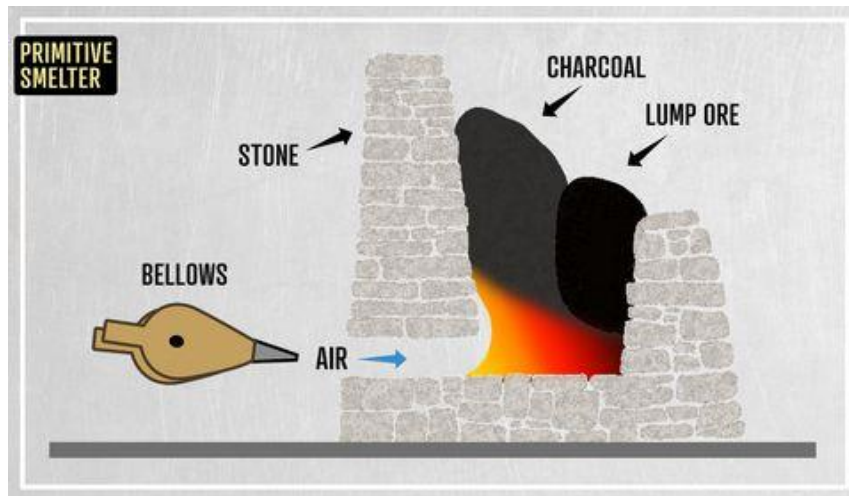
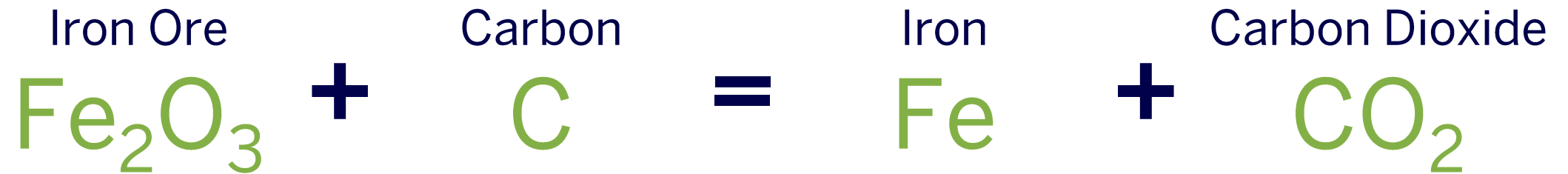
Heavy Industry Decarbonization

National Academies
July 23, 2019

Adam Rauwerdink, PhD
VP, Business Development



A 3,000 year old formula



Iron Age 1000 BC

>2
gigatons CO₂
per year

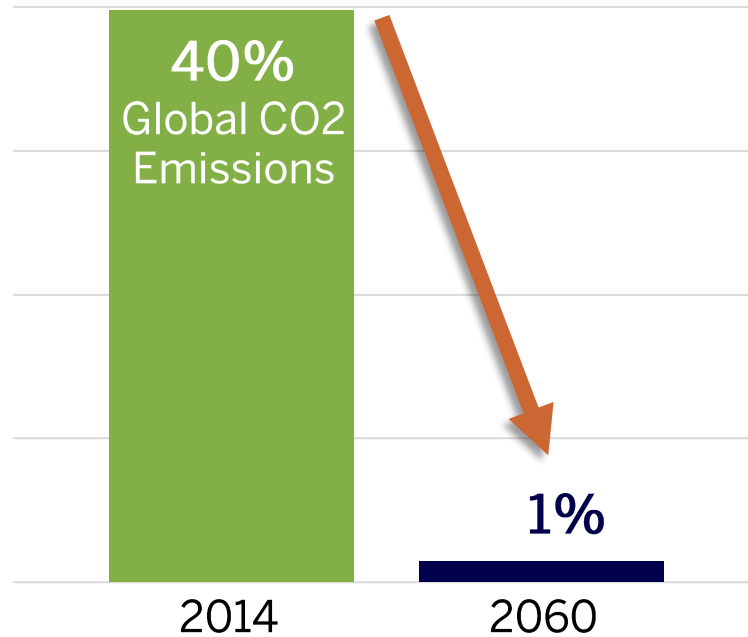


Digital Age 2019

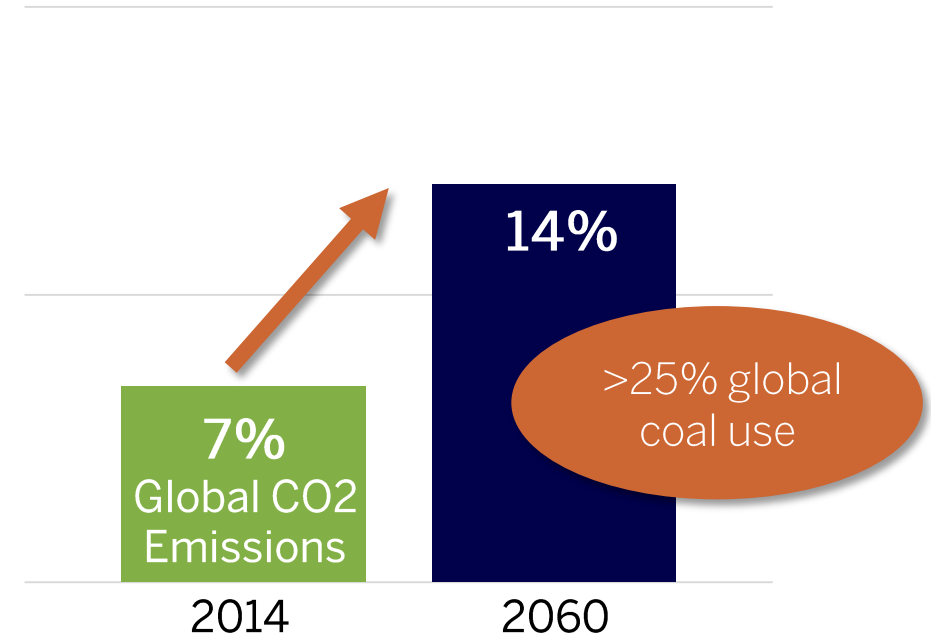
Electricity is rapidly decarbonizing...

...steel is not!

Electricity Generation

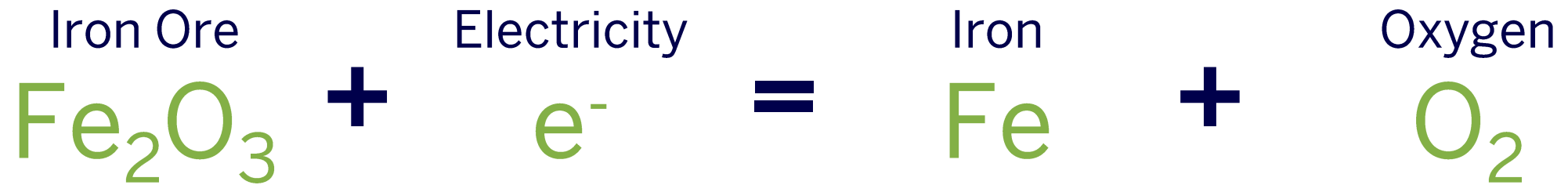


Steel Production



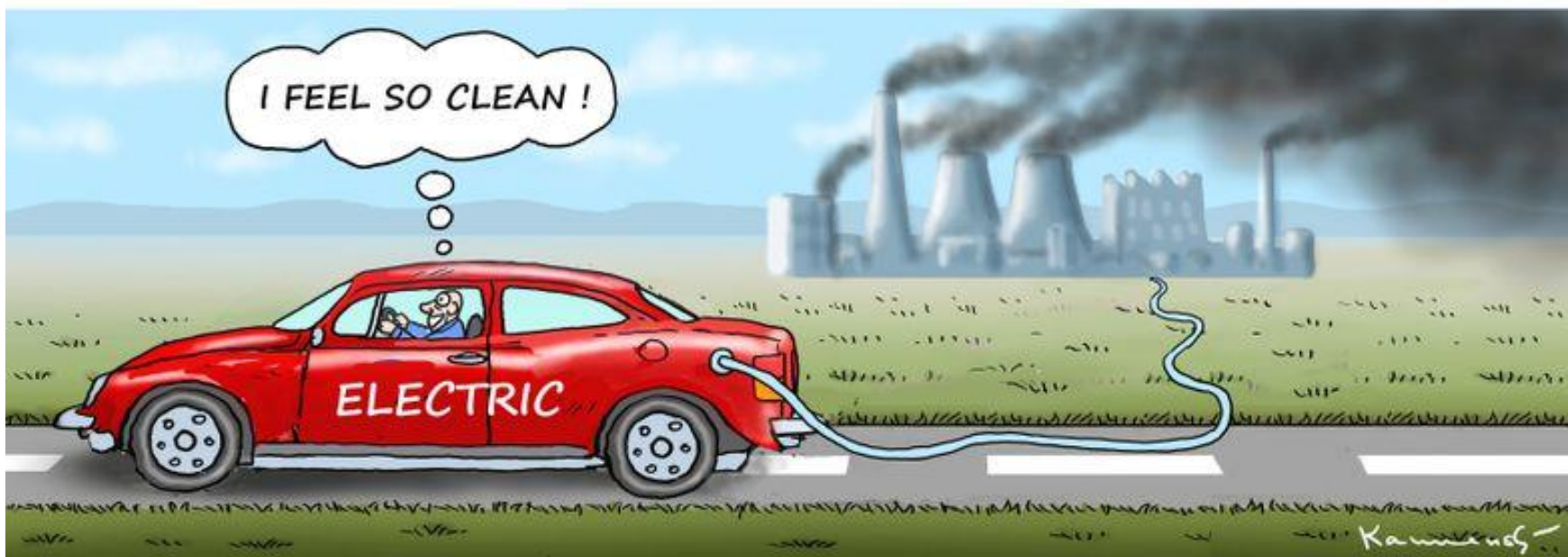
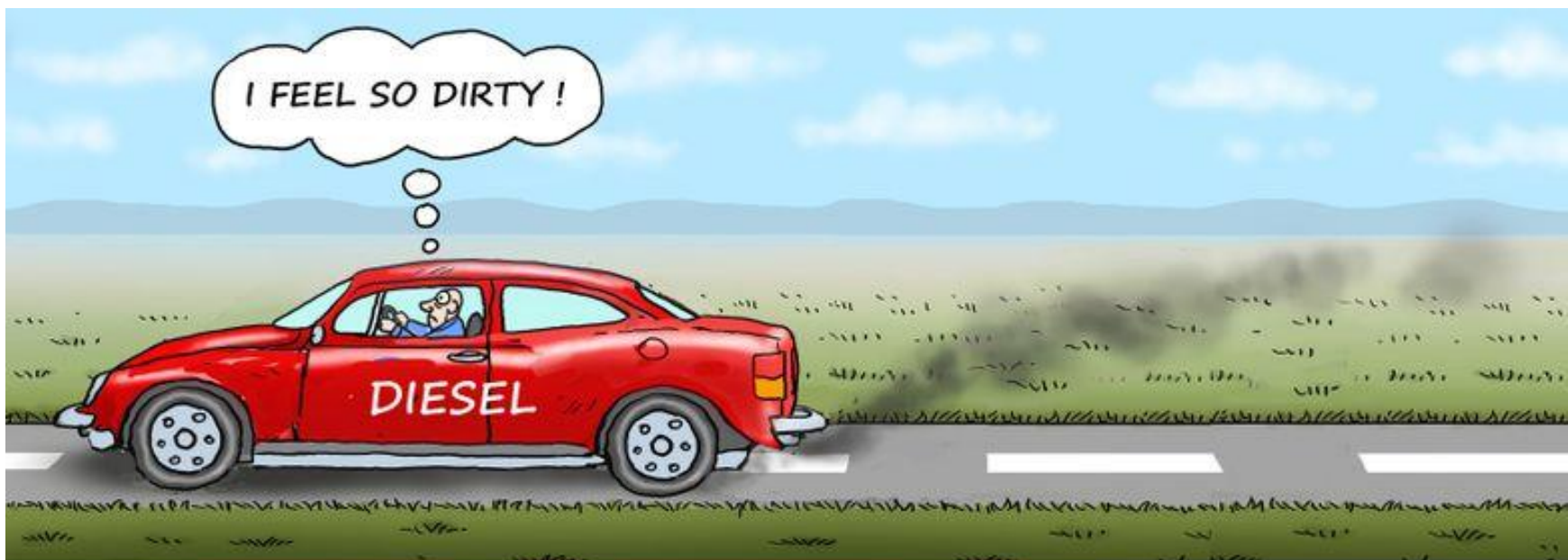
Boston Metal is changing the formula

Molten Oxide Electrolysis (MOE)

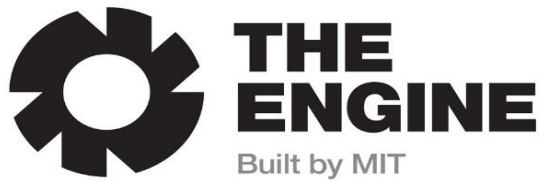


No carbon in the process = No CO₂ emitted





World-class partners



Tavarua
International



Metals made better

Emissions free steel



Electrifying the largest industrial
source of CO₂

Lower commodity cost



Competitive without a carbon tax

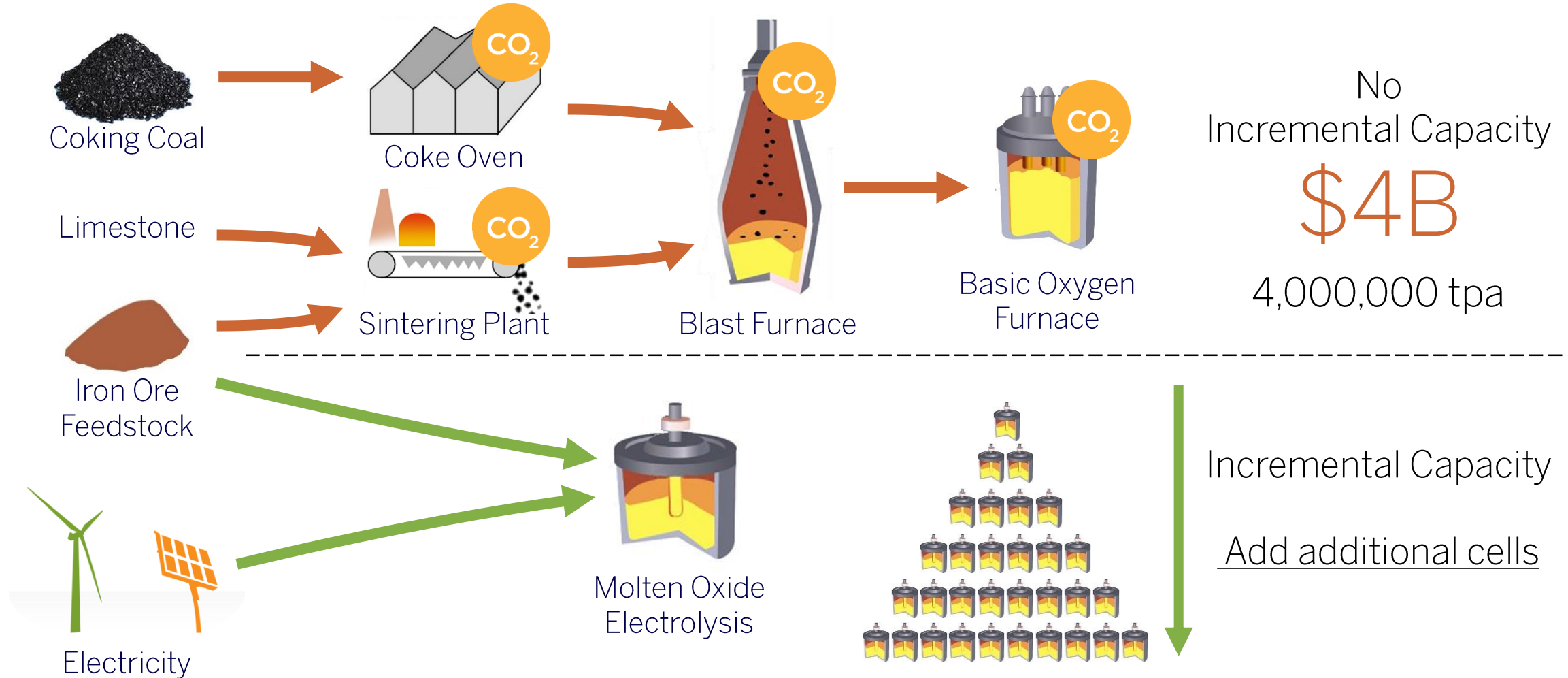
Industrial-scale modularity



Efficient allocation of capital

MOE is simple and modular

Less feedstock processing; Fewer production stages



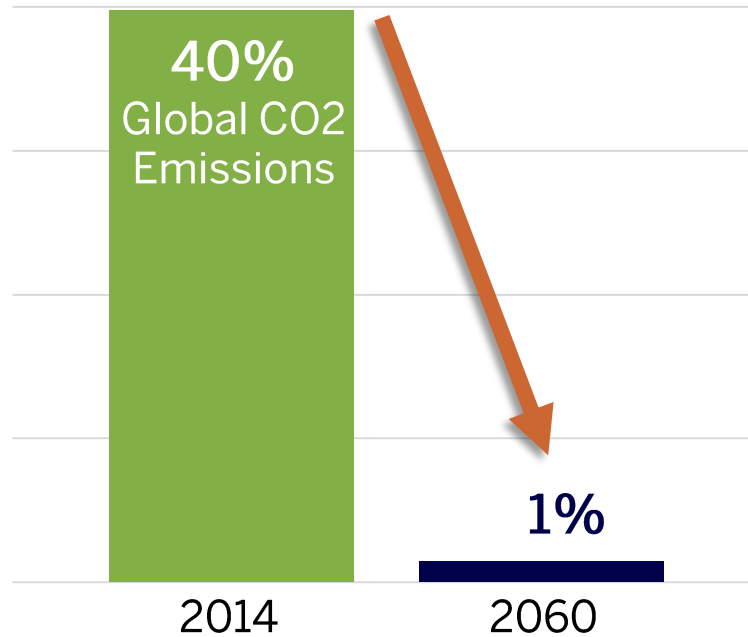
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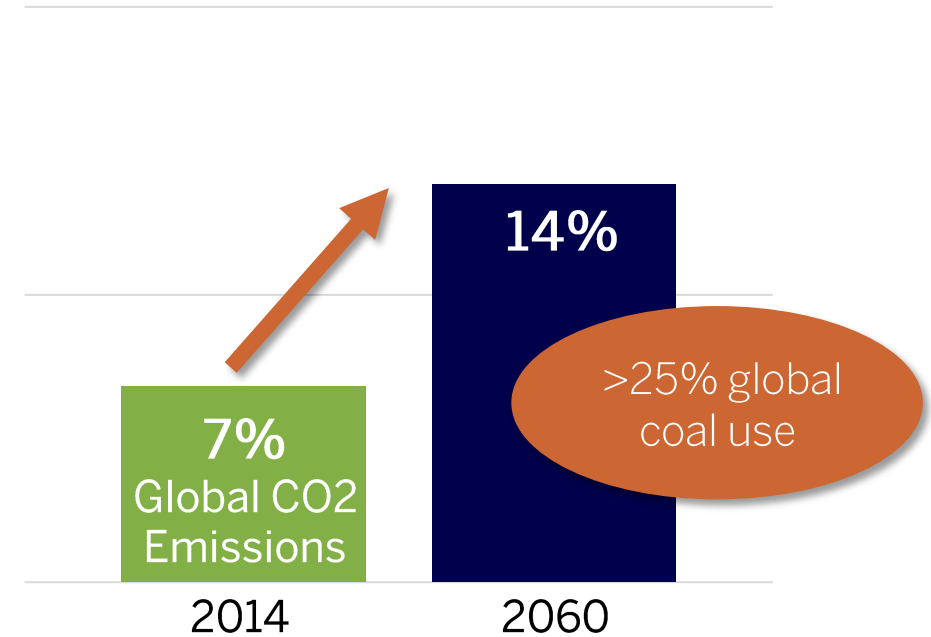
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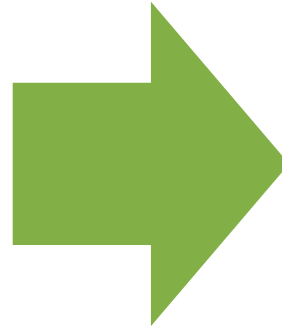
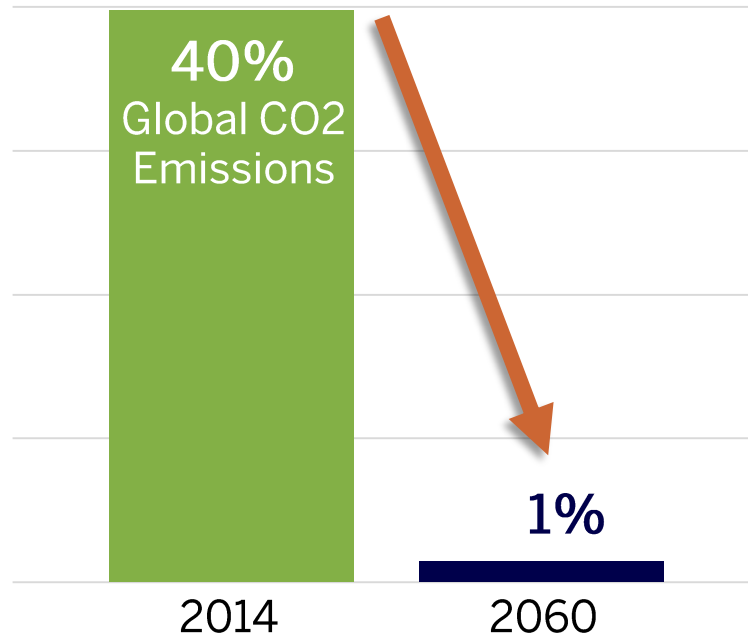


Steel Production



Emissions free steel

Electricity Generation



Steel Production

