



**We Are Sustainable**

**reinforcing life.**



# Environmental

# Sustainability

There are four vital sustainable pillars holding our business together just like rebars hold buildings upright, social cohesion cannot be attained without environmental sustainability and economic suitability. If the whole world has one thing in common, then it is the Earth we're living on. We, elmarakby group strives to be environmentally sustainable starting from the decision to use the recycled scrap in steel production instead of other material sources for the sake of reducing wastes, adapting the latest technology that works on filtering the fumes generated from the melting process to reduce air pollution, and

chemically treating the water used for cooling so that it could be re-used; therefore reduce water loss. We, as a team believe that the management behavior towards internal and external stakeholders and the presence of a healthy corporate culture significantly impacts the firm's overall performance either in a positive or negative way. Internal stakeholders, employees, are middle aged young professionals who have acquired high quality education and experience.

We are keen to provide a safe work environment to protect the human element and preserve the material element through the application of occupational health, safety, and environmental protection. We use recycled materials (Scrap) to produce new material (Rebar) achieving very high quality standards with no exception for all projects.

Water recycling: by chemical treatment through sophisticated technology to reduce waste of natural resources.



## Nature

We support nature. Using advanced German technology.



## Reuse

We recycle existing material (scrap) to create new material (rebar).



## Sustainability

We are sustainable. We preserve resources.



# The Worldsteel Climate Action Badge for 2022

The Worldsteel Climate Action Badge is a valuable award that honours steel companies and recognizes their efforts to reduce their carbon footprint and combat climate change. It is also a competitive advantage in the market, increases access to capital and investment opportunities, and improves employee morale and motivation.

It is a way to encourage innovation and investment in low-carbon technologies and create a more sustainable future for the steel industry. It is an important step in the steel industry's journey to become more sustainable. Steel is a vital material in our modern world, but it is also a major contributor to greenhouse gas emissions. The steel industry accounts for around 7% of global CO2 emissions.





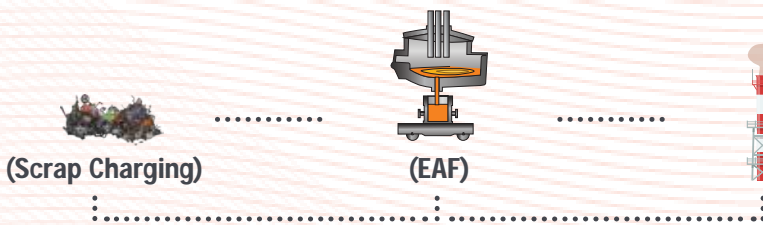
# Carbon

# Footprint

Based on their internationally recognized reporting system to measure different production routes' carbon emissions in the steel industry, elmarakby steel carbon intensity measurement amounted to 0.64 t CO<sub>2</sub>/t crude steel. Compared with the aggregated global figures at 2.33 for the BF-BOF route, 1.37 for the DRI-EAF route, and 0.68 for the Scrap-EAF route, we were happy to be within the lower range of the different benchmark measurements, while we take steps towards reducing our footprint.

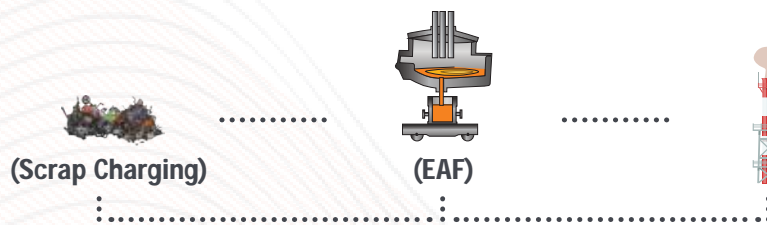
## elmarakbysteel Recycled Scrap (EAF)

0.64 Ton CO<sub>2</sub>/t



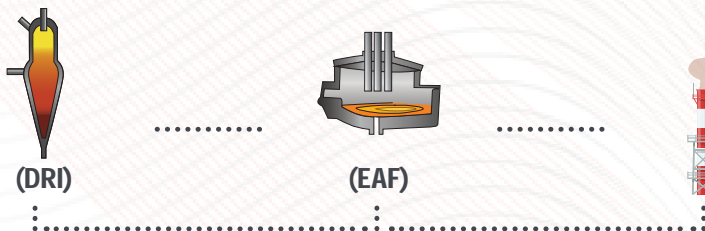
## Recycled Scrap (EAF)

0.68 Ton CO<sub>2</sub>/t



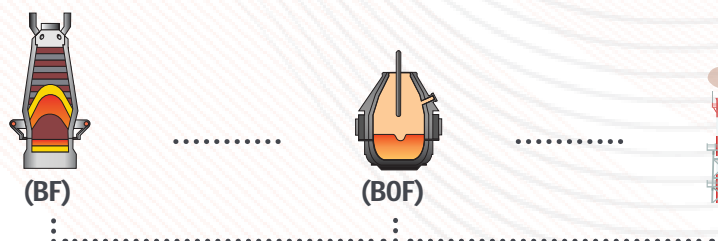
## Direct reduction (DRI) + (EAF)

1.37 Ton CO<sub>2</sub>/t



## Traditional (BF-BOF)

2.33 Ton CO<sub>2</sub>/t

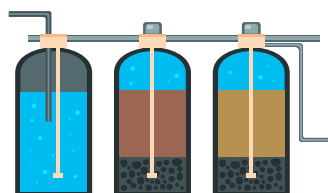


# We take care of The environment

## LATEST TECHNOLOGY OF FUME CONTROL

Our concern is to reduce waste of natural resources & environmental pollution.

We use recycled materials (Scrap) to produce new material (Rebar) achieving very high quality standards with no exception for all projects.



**WATER RECYCLING** by chemical treatment through sophisticated technology to reduce waste of natural resources.



# Water

# Recycle



**WE'RE NOT JUST  
RECYCLING WATER,  
WE'RE FORGING  
A GREENER WORLD**