Upgrade to
Fossil Free Steel

Mission Ocean Arena

Joakim Nyström, SSAB Special Steels

Global Business Development Manager, Offshore Marine & Energy

SSAB in brief

129 BILLION SEK
Revenue in 2022

Steel making since
1878

14,500
professionals
in over 50 countries

Annual steel production capacity:
8.8 MILLION TONNES

OUR BUSINESSES:
SSAB Special Steels,
SSAB Europe,
SSAB Americas, Tibnor,
Ruukki Construction

SSAB

Our Customers journey to reduce CO_2 footprint

▶ **Use the right steel**

If you use stronger steel you need less.

This contribute to lower CO_2 footprint

▶ **Use the steel right**

But you need to know how to design with High strength steel to unlock the optimal benefit.

▶ **Go fossil free**

For partners that want to join our sustainable journey using as little steel as possible, we offer the possibility to sign an agreement for our fossil free steel.
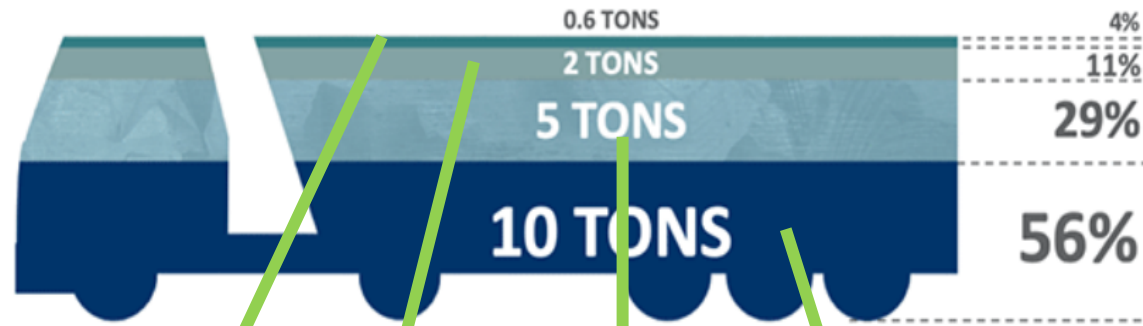
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Use the steel right   +   Use the right steel

Savings on CO$_2$

0.6 TONS — 4%
2 TONS — 11%
5 TONS — 29%
10 TONS — 56%

LESS STEEL PRODUCED

LONGER SERVICE LIFE

LOWER WEIGHT

HIGHER CAPACITY

CO$_2$ SAVINGS
17 tons/lifetime

CO$_2$ PAYBACK TIME
2.1 years

FUEL REDUCTION
4 900 l/lifetime

Taking **8** cars off the road for a year

And then…..

Go Fossil Free !

Case details

Industry

Trailers and body builders

In this ultra-light tipper chassis 610 kg of Strenx® 960 Plus replaces 750 kg of S700MC steel. And in the body, 830 kg of Hardox® 500 Tuf steel replaces 1,000 kg of Hardox® 450. This means a total weight reduction of 18% for the upgraded parts. This doubled the life time of the body to 12 years, eliminating the need to change the body on this chassis. In addition to this the weight was reduced by 310 kgs, which increased the load capacity with the same amount.

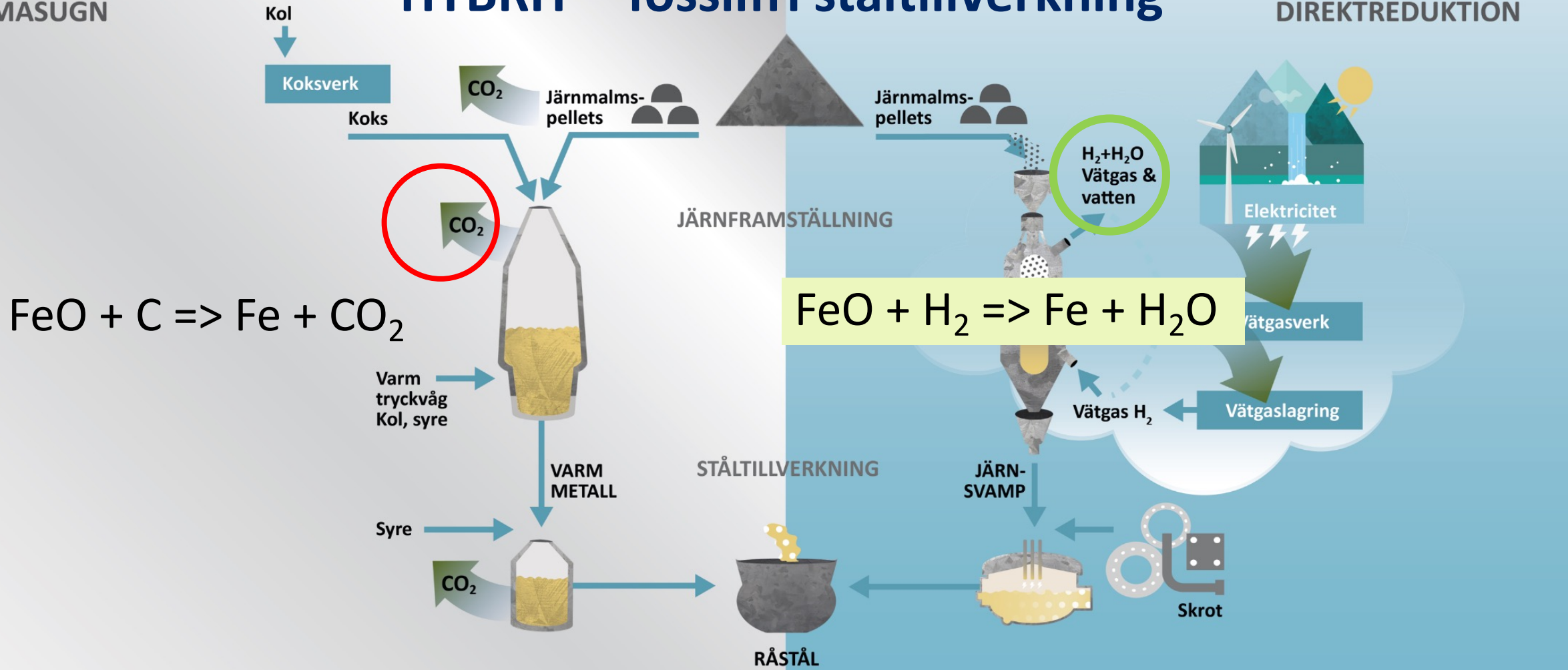**SSAB**

The Hybrit Process – Let's look at a short movie

https://www.ssab.com/en/fossil-free-steel#ffs

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HYBRIT – fossilfri ståltillverkning

MASUGN

DIREKTREDUKTION

$$FeO + C => Fe + CO_2$$

$$FeO + H_2 => Fe + H_2O$$

HYBRIT skulle eliminera ca 90 % av SSABs totala koldioxidutsläpp

2016–2017
Inledande förstudie

2018–2024
Förstudie och försök i pilotanläggning

2026 –
Demonstrationsanläggning

OFFENTLIGT

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How can you contribute?

▶ Do you have a product that would benefit from a lower CO_2 footprint and at the same time get lighter, stronger and more sustainable.

▶ Do you work with policies and frameworks that can help us and our customers moving faster?

Feel free to contact me @:   joakim.nystrom@ssab.com

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Action points

@13.30-15.30

Co-creating the blue bioeconomy in regions through valorisation

Sargasso – Cocreating solutions for the futuree