

# LOWER YOUR CO<sub>2</sub> FOOTPRINT USING OUR FeMoNi

## LET'S MAKE GREEN STEEL TOGETHER

Since 50 years we are recycling Mo and Ni waste streams into FeMoNi alloys. The use of recycled raw materials helps you making Green Steel.

Lower your footprint?  
Contact us!



# SUSTAINABLE STAINLESS STEEL WITH FeMoNi

Ferro Molybdenum Nickel  
4-50mm 90% Min, granulated  
Big bag / steel drum

FeMoNi is a REACH registered product.

## SPECIFICATIONS:

ELEMENT	GRADE
Mo	Min 35.00 %
Ni	Min 20.00 %
Co	Max 2.40 % (Typical 2.0%)
Si	Max 0.10 %
C	Max 0.1 %
P	Max 0.10 %
S	Max 0.15 %
Cu	Max 1.70 %

We also produce other alloys from fully recycled background, such as: FeNi, NiCu, FeMoCo, Co, FeMo. Specifications on request.

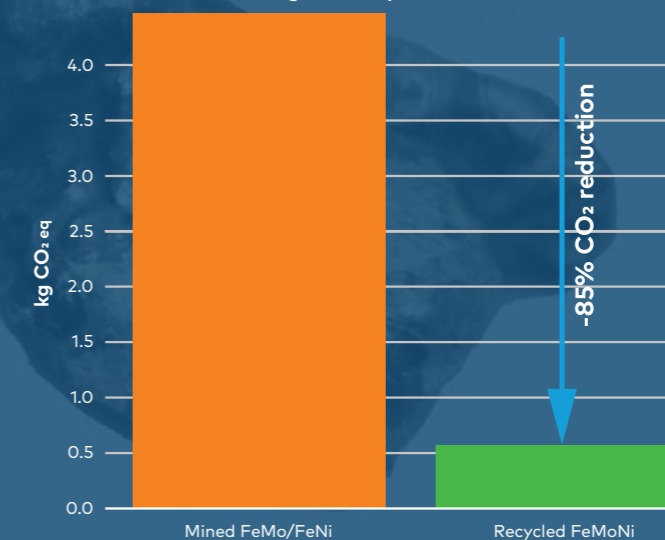
## CO<sub>2</sub> FOOTPRINT

Life Cycle Assessment of recycled FeMoNi according to ISO 14040/14044 standards audited by SGS.

Our FeMoNi alloy is being used by our customers for the production of (super) duplex grade or 316, 316L, 321 or other NiMo containing alloys. When used in the converter/AOD process it offers the following advantages compared to products from mining such as FeMo65/FeMo70 and FeNi:

- Only made from recycled material (100%).
- Save 85% CO<sub>2</sub> compared to FeMo65/FeMo70/FeNi from mining (proven by Full LCA).
- Lower melting point than FeMo (save production time) 1400 degrees Celsius compared to 2000 degrees melting point that FeMo65 has.
- Being able to increase the Mo content without diluting Ni.
- Saving production time by adding both Mo and Ni at the same time.
- Lower Carbon than FeMo, therefore can also be used for diluting carbon.
- Granule shape instead of big pieces, which are more homogeneous and can also be used as a cooling material for the AOD/converter.

Comparison between Mined FeMo/FeNi and Recycled FeMoNi on climate change (CO<sub>2</sub>-eq)



**M** FeMoNi has 7x smaller CO<sub>2</sub> footprint than conventional FeMo/FeNi.

**T** For every 20mt container of FeMoNi you save the equivalent of the yearly CO<sub>2</sub> footprint of 227 cars.

**T** In 2024 the total FeMoNi produced will save the equivalent of the yearly CO<sub>2</sub> footprint of almost 51.000 cars.