Nedal reducing carbon footprint

Nedal's targets and efforts are focused on reducing its carbon footprint.

1. Scope 3.

The vast majority of the carbon footprint is the metal aluminium as the raw material for production (approx. 90%).

The carbon footprint depends on the ratio of kg of primary to kg of recycled (secondary) aluminium.

Nedal largely deploys recycled aluminium, with a target to increase the amount of recycled aluminium even further.

The ratio between kg primary and kg secondary aluminium , however, can vary and is strongly dependent on the availability of secondary aluminium on the market (market conditions)

Nedal has already achieved a substantial reduction in scope 3 CO2 emissions:

For comparison, CO2 footprint aluminium (kg CO2/kg Al *):

- China production: 20
- Average worldwide production: 16.1
- European production: 6.8
- Nedal (2022): **4.3**

*) Data: European Aluminium

For the production of aluminium in Europe, European Aluminium has developed a strategy to reduce its carbon footprint in line with the max 1.5 degree target: **"Science-based decarbonization pathways for the European aluminium industry ".** See also www.european-aluminium.eu

2. Scope 1 and 2

Nedal has successfully rolled out the government-supported energy saving programme "Energy Efficiency Plan (EEP) ".

Nedal is moving forward to further increase the energy efficiency of production.

Examples include new investments such as cooling towers and cooling of profiles at the press.

In addition, the energy consumption of Nedal's production equipment is being monitored to identify opportunities to save energy.

To further reduce the carbon footprint, 50% of electricity is green.

3. Aluminium Stewardship Initiative.

To reduce its carbon footprint, Nedal is a member of the globally operating “Aluminium Stewardship Initiative (ASI)”

ASI's objectives, besides reducing carbon footprint in the product chain, include respecting human rights and environmental

Conclusion:

Nedal is working hard to further reduce its carbon footprint (Scope 1,2 and 3).

However, because the supply of secondary aluminium on the market is limited and fluctuates, it is not possible to determine the exact carbon footprint in advance.