

sapa:

Infinite aluminium

Hydro CIRCAL®



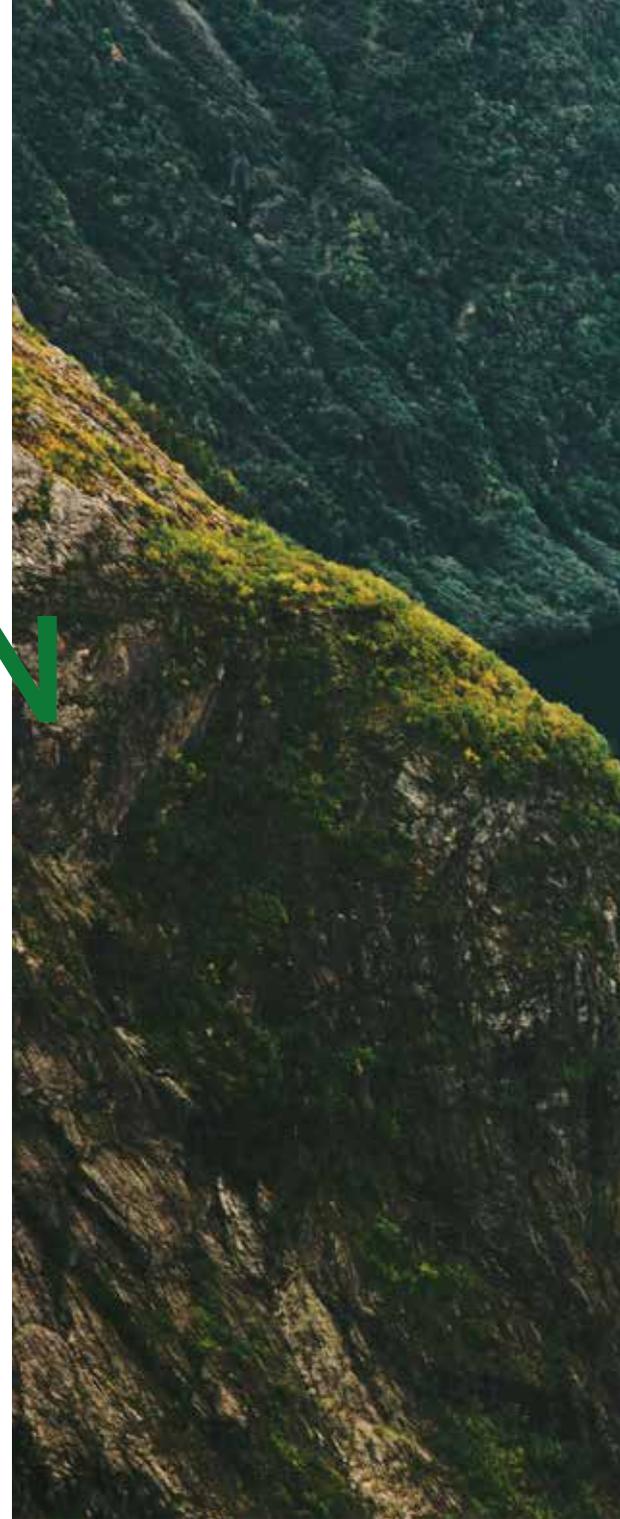


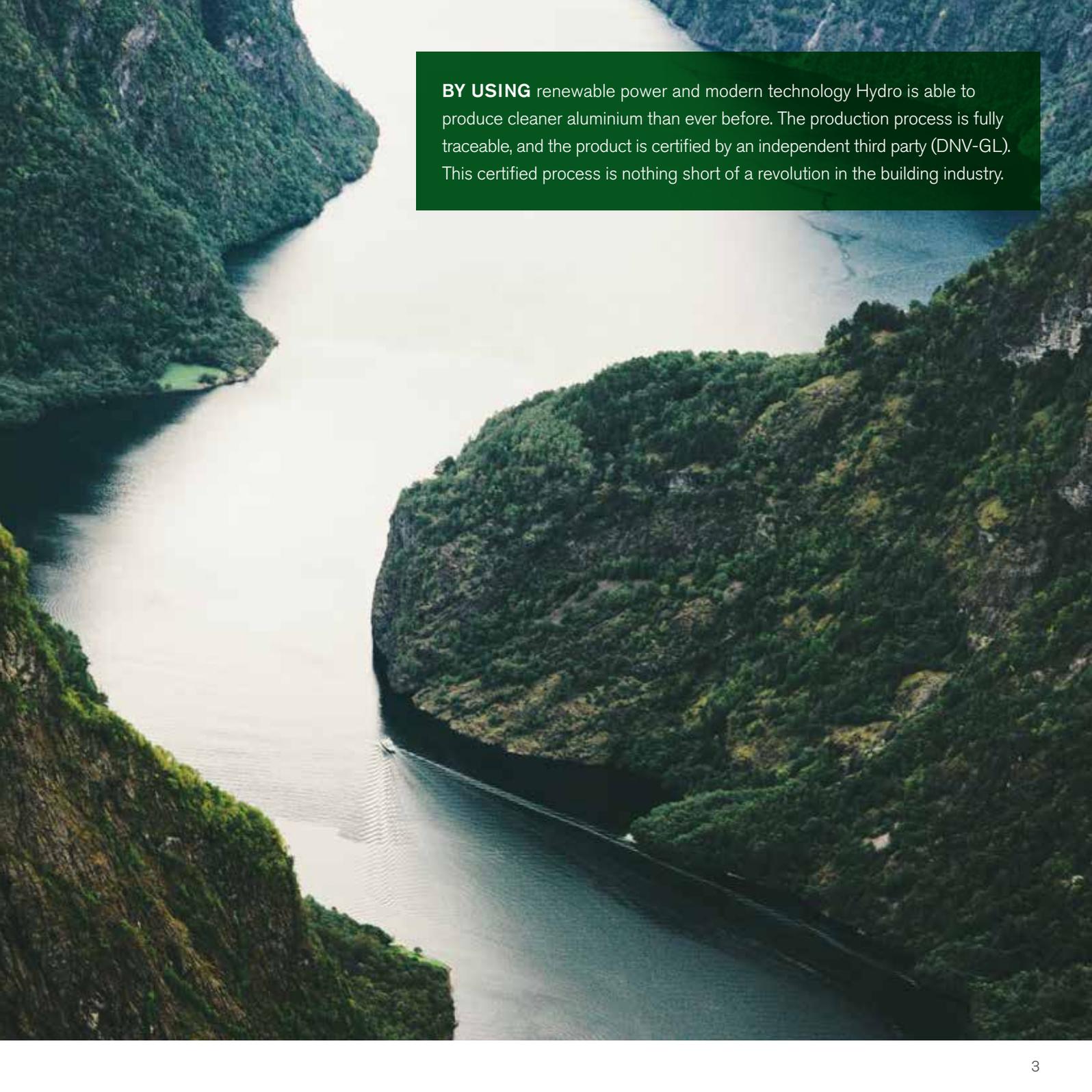
JOIN A REVOLUTION

BUILDING WITH VISION means taking the future seriously and keeping in mind that our resources are finite. We are absolutely convinced that future urban development is inconceivable without the sustainable reuse of materials. We are demonstrating our focus on sustainability by using Hydro CIRCAL® 75R for our system solutions, one of the most sustainable aluminium alloys in our sector.

Hydro CIRCAL® 75R is a range of prime quality aluminium made with a minimum of 75% recycled, end-of-life aluminium (post-consumer scrap), such as façades and windows that have been dismantled from buildings and fully recycled.

Remelting aluminium for new uses requires only 5% of the energy needed to produce the primary aluminium. So the higher the recycled content of post-consumer scrap, the better it is for our cities and the environment.



An aerial photograph of a deep, narrow fjord. The water is a pale, milky blue-grey color, contrasting with the dark green, forested cliffs that rise steeply on both sides. A small white boat is visible on the water in the lower center, leaving a white wake. The sky is a pale, overcast grey. A dark green rectangular box is overlaid on the upper right portion of the image, containing white text.

BY USING renewable power and modern technology Hydro is able to produce cleaner aluminium than ever before. The production process is fully traceable, and the product is certified by an independent third party (DNV-GL). This certified process is nothing short of a revolution in the building industry.





200,000,000 TONS FOR INFINITY

PEOPLE HAVE ALWAYS dismantled existing structures to build something new. Today, this is not just economical but also ecologically unavoidable. 200,000,000 tons of aluminium are currently “stored” in buildings around the world – ready for responsible and infinite resource recycling, and that includes façade engineering.

360° life cycle: a win-win-situation

Thanks to our system solutions based on Hydro CIRCAL[®] 75R, aluminium scrap is recycled back into the production cycle. We call this process of reclaiming materials ‘urban mining’. It saves primary raw material resources and reduces the amount of waste in our cities.

Striving for sustainability

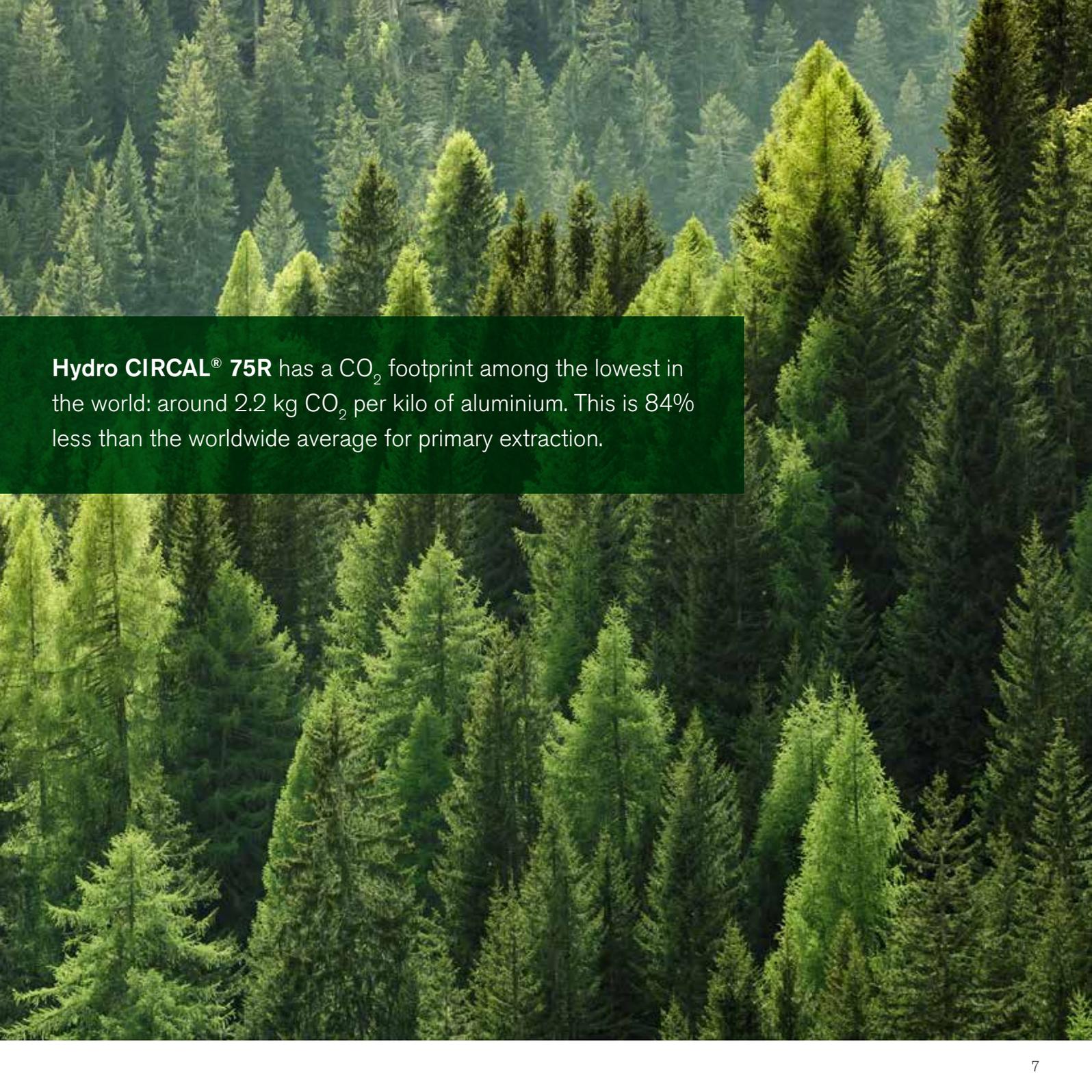
We strive to act responsibly throughout our operations. System solutions using Hydro CIRCAL[®] 75R have one of the highest share of recycled end-of-life aluminium on the market: 75% and more. The production process is independently certified according to ISO 14064 and completely traceable.

Aluminium is infinitely recyclable

Its quality and material properties are never lost. Furthermore, melting down end-of-life aluminium uses just 5% of the energy required for primary aluminium production. So the higher recycled content of post-consumer scrap, the better it is for our cities and the environment.



MINIMUM CO₂ FOOTPRINT



Hydro CIRCAL® 75R has a CO₂ footprint among the lowest in the world: around 2.2 kg CO₂ per kilo of aluminium. This is 84% less than the worldwide average for primary extraction.



SIMPLE & REVOLUTIONARY

(Sustainable building certification)³

Our innovative system solutions assure developers, architects and investors that their projects meet the requirements for sustainable certification.

Our systems are certified as sustainable products by ift Rosenheim and by Minergie.

Designing the buildings of the future

With Hydro CIRCAL[®] 75R, your designs will already meet tomorrow's standards – including green building certifications such as LEED, BREEAM and DGNB.

The more projects that are built using sustainable aluminium system solutions, the more we can continuously improve the eco balance of the material and the building. The fact is: the building of the future will be realised with renewable resources. We can help you be part of that process.





By adding this text to your tender documents, you are helping to design the buildings of the future.

THE SYSTEM MAKES USE OF RECYCLED MATERIAL IN THE FOLLOWING AREAS:

- Aluminium with material usage of at least 75% end-of-life (EoL) e.g. AW 6060 T66

For aluminium with EoL recovery, material that has already been installed in and removed from a building, is recycled again. The minimum 75 percent proportion of this post-consumer material (>75% EoL material) must be verified by means of an independent certification.



DESIGNING THE BUILDINGS OF THE FUTURE







Sapa Building System offers architects, specifiers, metal fabricators, investors and home-owners worldwide an extensive range of innovative, reliable and aesthetically pleasing aluminium systems for curtain walling, façades, doors, windows and building-integrated photovoltaics. Sapa Building System is one of the largest suppliers of aluminium building systems in Europe and is part of the global aluminium company Hydro.

Windows and Doors, Sliding Systems, Curtain Walls, Building-Integrated Photovoltaics

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By  Hydro