



Recycling

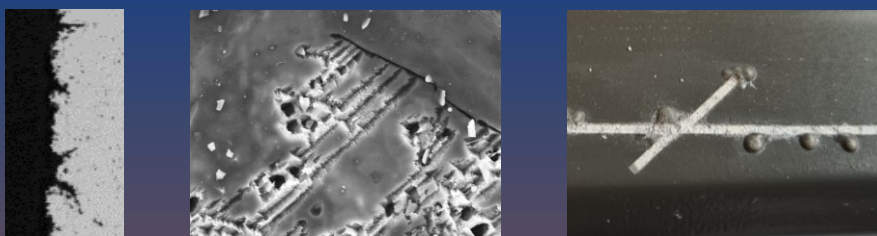
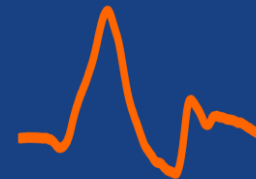


RECYCLING is key to circular economy and our path to a greener future.

Remelting of scrap aluminium can reduce the carbon emission of the production of an aluminium window by more than 90% and instead of depleting the Earth's resources, already existing material is not wasted. At SURF we investigate how recycling can be implemented in production routes while the current requirements for products are kept.

Experimental research lines

Optimization of **alloy compositions** and processes to achieve the highest recycling rates and superior mechanical properties



Analysis of **corrosion protection mechanisms** to retard material degradation processes



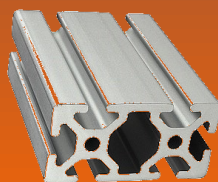
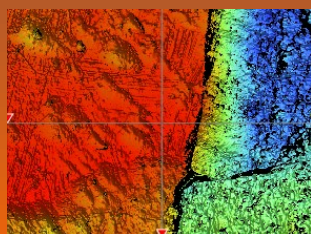
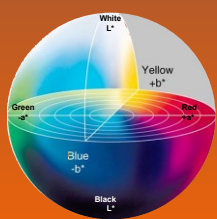
Circular Economy



Longer lifetime

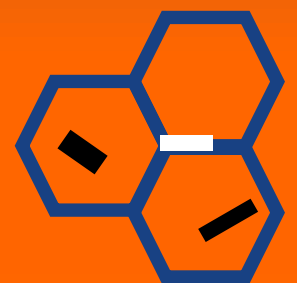
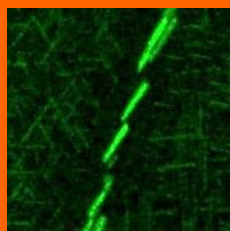


Material properties



Investigation of **surface appearance** to create visually appealing products

Development of new approaches for more **sustainable production routes**



Interested in **recycling**? Do you want to contribute to a more **sustainable and environmentally-friendly production**? Are you interested in doing experimental research along the processes of whole value chains? Then send us your idea of how you would like to reduce waste streams or preserve Earth's resources while aiming for even better product properties.



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See you soon!



ELECTROCHEMICAL & SURFACE ENGINEERING RESEARCH GROUP



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