

BotH₂nia



EVENT · EVENT · EVENT

BotH₂nia goes Oulu & Raahе 5.–6.5.2022

This is a presentation given at the event BothH₂nia Goes Oulu & Raahe on 5.–6.5.2022.

BothH₂nia is a network of operators interested in hydrogen. The objective of the network is to create a Nordic hydrogen cluster around the Baltic Sea, beginning with the Bothnian Bay. BothH₂nia strengthens the position of the north in the European hydrogen industry!

BothH₂nia invites all businesses, research institutes, investors, municipalities and cities to roll up their sleeves for a greener future.

Please notice that the presentation has been modified to comply with the Accessibility Directive. In case for need the original material, please contact Minna Näsman (minna.nasman@both2nia.com).



BotH2nia goes Oulu & Raahe Welcome to the University of Oulu!

Dean Mirja Illikainen
Faculty of Technology, University of Oulu



New scientific information and future pioneers to build a more sustainable, intelligent and humane world

SUSTAINABLE
MATERIALS AND
SYSTEMS

CHANGING
CLIMATE AND
NORTHERN
ENVIRONMENT

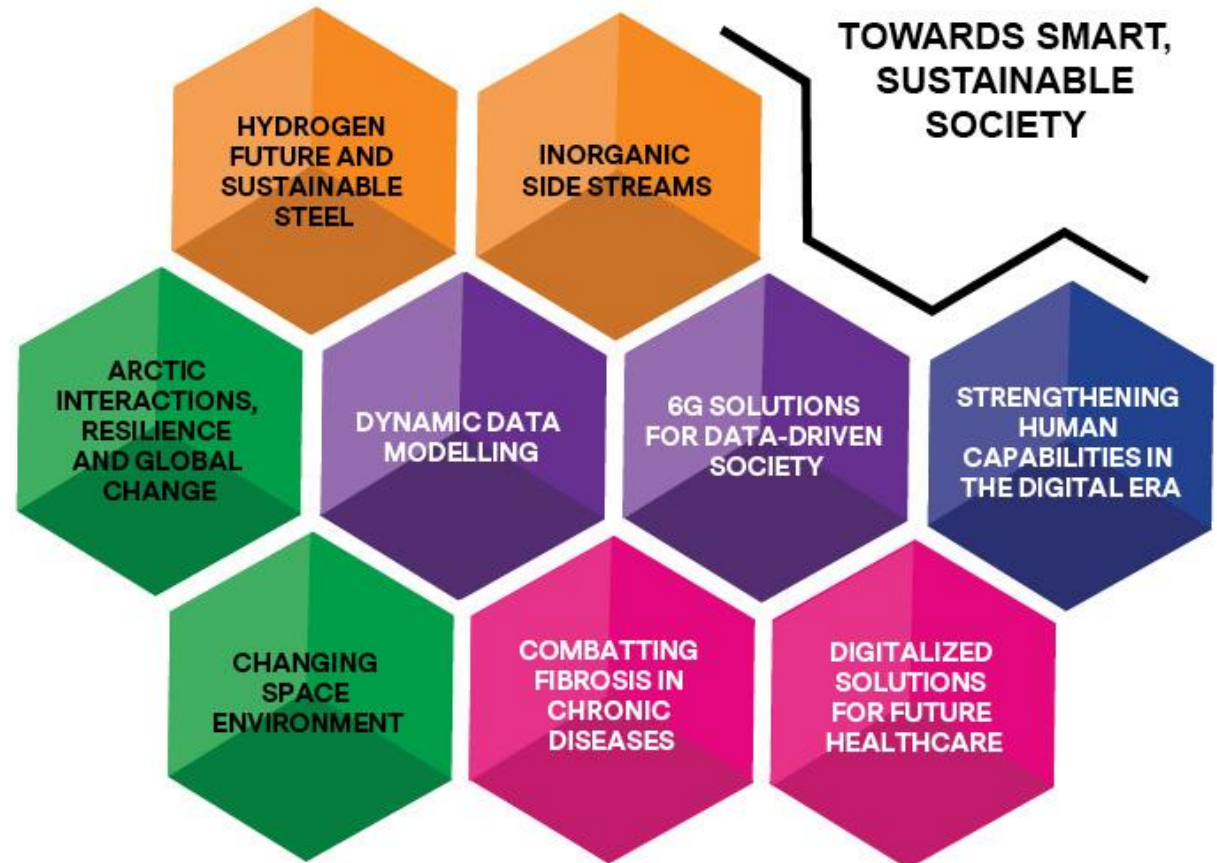
DIGITALIZATION
AND SMART
SOCIETY

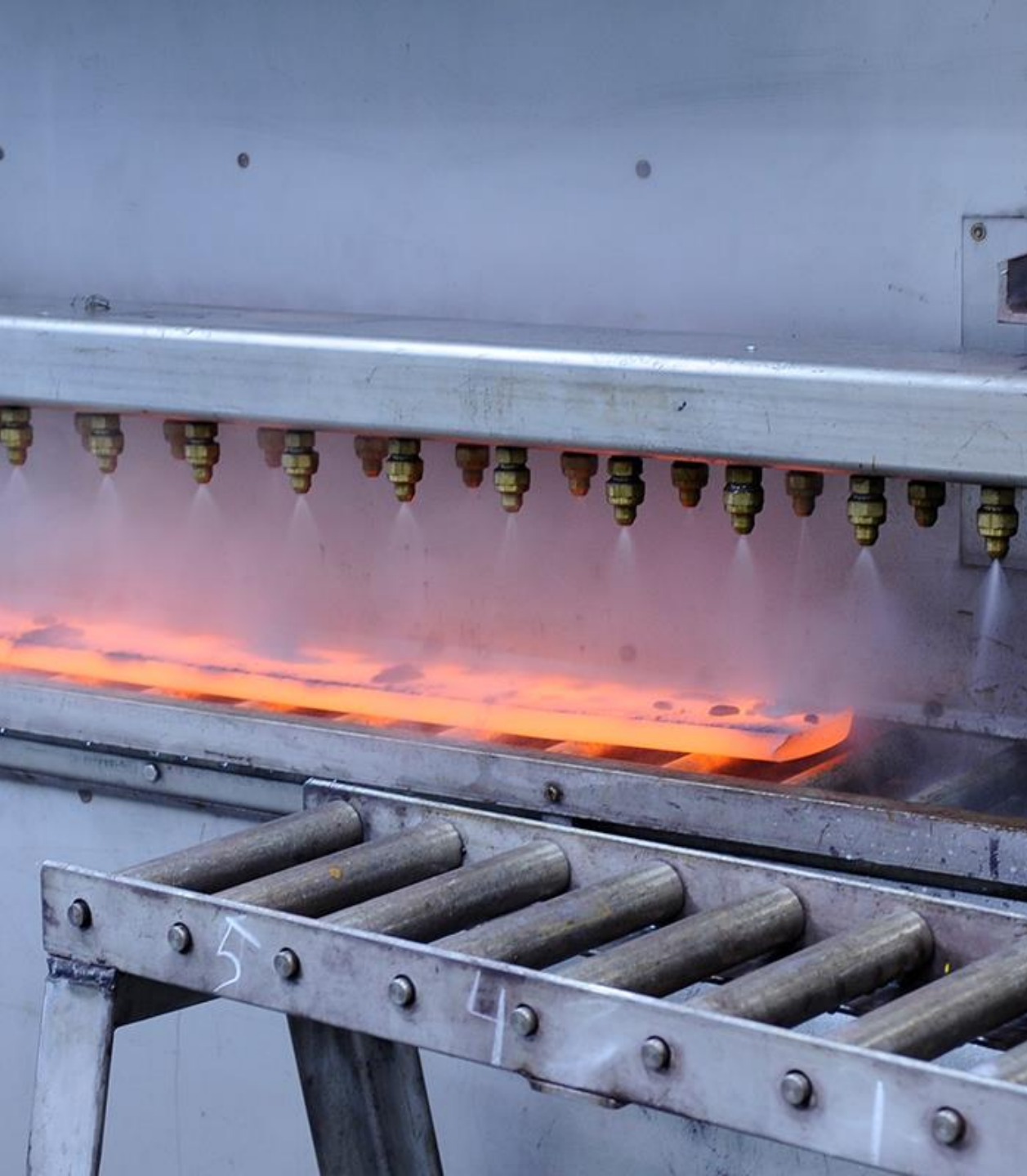
LIFELONG
HEALTH

UNDERSTANDING
HUMANS IN
CHANGE



We are at the international top in our profile fields





Sustainable steel research is one of our profiling areas

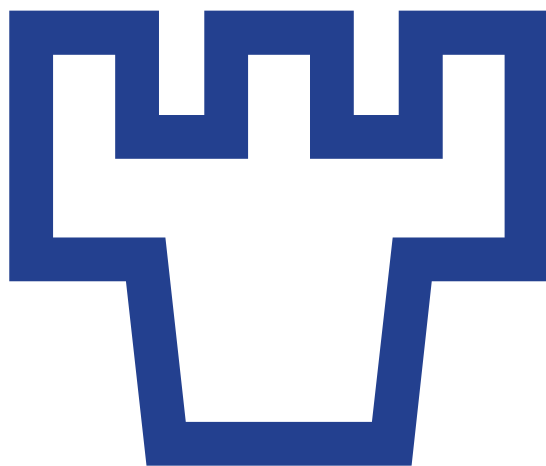
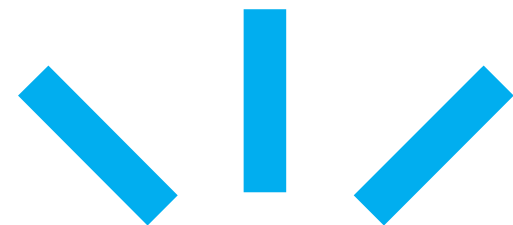
- The centre of Advanced Steel Research CASR was founded in 2006
- Steel research has been UOULU strategic profiling area since 2016
- Focuses on **carbon-free steel** processing and manufacturing of **ultrahigh-strength steels**
- **H2 research is highly linked to the steel research both from processing and materials point of view**



H₂ research focuses also on the production technologies, logistics and use

- **Clean methods to produce hydrogen** with methane pyrolysis and photocatalytic reactions
- **Hydrogen as a fuel** in transportation
- **Hydrogen economy**





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