

# A MESSAGE FROM THE EDITORS


**F**rom a single household to large factories and entire cities, securing the energy required to power daily life is a question multiple governments, researchers, scientists, and company owners are constantly trying to solve. The energy transition means using a whole range of new clean technologies across the economy and the energetic supply chain. Clean energy helps decarbonise the manufacturing industry and provides economic and social benefits that go well beyond environmental security. Rapidly decarbonising industry calls for more pragmatic, agile, and ambitious sustainability goals.

When talking about the energetic transition, the manufacturing industry is at a crossroad. Will we accept the instability of outdated energetic systems with high environmental impact or embrace change and take the necessary steps towards clean energy use? In the past, using clean energy was optional. Today, it might be the only option to ensure there is a future for industry. The energetic transition to clean energy might represent the greatest transition of our times.

The climate crisis and other geopolitical conflicts have emphasized the need for an accessible, affordable, and inclusive alternative to fossil fuels. In the past decades, technological and scientific developments in energy storage solutions, scaling of renewable energy infrastructure, and rising demand have made clean energy the most reliable alternative. We aim to help that transition by connecting organizations, fostering the exchange of innovative ideas and new technological solutions.

As the name implies, fossil fuels belong in the past. It is time for industry to look ahead and prepare for change. The question becomes, will the manufacturing industry be able to keep up? We sure will try.

## Let's power industry with clean and innovative solutions together.



### GIJS BEUMKES

*Research Engineer  
Fraunhofer Innovation Platform  
for Advanced Manufacturing  
at the University of Twente*

### ALE SARMIENTO

*(MSc) IDE Student  
University of Twente*

### IAN GIBSON

*Chair Professor of Industrial  
Engineering (UT) & Scientific  
Director Fraunhofer  
Innovation Platform for  
Advanced Manufacturing at  
the University of Twente*