

**Innovation Industry Day**

**Towards Tomorrow's Industry:  
Sustainable Materials & Emerging  
Technologies**

**22<sup>nd</sup> of September 2025**

**DTU Lyngby Campus, Building 112,  
Rooms 002 & 004**



**BLADES2BUILD**

**Recycle, repurpose and reuse end-of-life wind blade  
composites – a coupled pre- and co-processing  
demonstration plant**



 <https://blades2build.com>



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# Agenda



Time	Activity
9:00 – 9:20	Registration and coffee
9:20 – 9:30	Introduction & welcome – Lisbeth Ottosen
9:30 – 10:30	<p><u>Circular Solutions from the Building Materials Industry</u></p> <ul style="list-style-type: none"> <li>• Duc Tung Dao – Holcim “<i>Holcim Circular Economy Strategy : from Construction Demolition Waste to End of Life Wind Turbine Blades recycling</i>”</li> <li>• Jakob W Nielsen – Miljøskærm “<i>Transforming EOL blades to circular insulation products</i>”</li> <li>• Alberto Oñoro &amp; Anne-Sofie Gregersen – Rockwool “<i>How ROCKWOOL works with circularity</i>”</li> </ul>
10:30 – 10:40	<i>Coffee break</i>
10:40 – 11:20	Round-table – <i>From Research to Industry</i> . Moderator: Ana Teresa Lima
11:20 – 11:30	<i>Coffee break</i>
11:30 – 12:50	<p><u>Tools for Circular Value Chains and Upscaling</u></p> <ul style="list-style-type: none"> <li>• İlter Önder – Klarna “<i>From Fintech to Green Tech: Lessons Learned on Digital Technologies</i>”</li> <li>• Rikke Ullersted – The Upcycl “<i>Waste Dating: Overview and Access to Sustainable Material Choices</i>”</li> <li>• Foivos Psarommatis – Zerofact “<i>Digital Product Passports for Sustainable Construction and Industrial Circularity</i>”</li> <li>• Christian Steen Wittrup – a:gain “<i>Scaling circularity needs a more nuanced resource hierarchy</i>”</li> </ul>
12:50 – 13:50	<i>Lunch break</i>
13:50 – 14:30	<p><u>Emerging Practices for Low-Carbon Sectors: Wind Energy and Buildings</u></p> <ul style="list-style-type: none"> <li>• Paul Astle – Rambøll “<i>Carbon Clarity: The importance of transparency and accuracy in BIM, carbon assessments and decision making</i>”</li> <li>• Julia Smid – Ballast Nedam “<i>Advancing circularity within the wind turbine industry</i>”</li> <li>• Kristen Skelton – GE Vernova “<i>Circular Innovations in Wind</i>”</li> </ul>
14:30 – 15:30	Round-table – <i>AI and Digitalization in Industry</i> . Moderator: Ana Teresa Lima
15:30 – 15:40	Wrap-up & closing – Ana Teresa Macas Lima – Senior Researcher – DTU
15:40 – 16:00	Networking & Drinks



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# Keynote Speakers and Moderators

## Duc Tung Dao - Holcim



Dr Duc Tung DAO is a civil engineer with a strong background in materials science, holding a PhD focused on the use of recycled construction and demolition materials (CDM) as aggregates in concrete. Since earning his doctorate in 2012, he has been leading research and development projects aimed at creating circular materials for the infrastructure sector. His work includes key initiatives such as the BLADES2BUILD project.

## Anne-Sofie Gregersen - Rockwool



As Group Sustainability Manager at ROCKWOOL, Anne-Sofie works on the circularity of our inflows, outflows, and waste. Among others, she coordinates our take-back scheme, Rockcycle and works on the strategic side regarding long-term ambitions and targets. With more than 10 years of experience working with sustainability, she is focused on practical solutions that create impact and foster value chain collaboration.

## Alberto Oñoro - Rockwool



Regulatory Affairs Analyst for LCA and Sustainability at ROCKWOOL. Background in Environmental Sciences, Environmental Engineering and Industrial Engineering Management, experience in Academia, civil societies and Industry. Alberto works on calculating the Environmental Impacts of our Products through LCA, publishing EPDs, and working closely with circularity. He is science and data driven and advocate for transparency and a level playing field.

## Rikke Ullersted - THE UPCYCL



Industrial designer, serial entrepreneur, and the founder of THE UPCYCL and co-founder of Made by Makers, where she gained a deep understanding of material flows, an insight that sparked the idea for THE UPCYCL, a B2B platform advancing the circular economy by enabling the trade of industrial waste streams. She has received multiple design awards and recognitions, served on the jury for the Danish Design Award, and is a member of the Danish Design Council.



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# Keynote Speakers and Moderators

## Foivos Psarommatis- Zerofect



Foivos Psarommatis is the Founder and CEO of Zerofect GmbH, a Swiss company pioneering Zero Defect Manufacturing (ZDM) and Digital Product Passports (DPP). He is a recognized expert in circularity, optimization of industrial systems, and sustainable value chains, driving innovation in traceability, dynamic LCA, and regulatory compliance through advanced digital solutions and European initiatives.

## Kristen Skelton – GE Vernova



GE VERNOVA

Kristen has been working with sustainability in the wind industry since 2011 and is currently the Sustainability Program Leader at GE Vernova Wind. Her focus is on the development and implementation of sustainable strategies in operations. She has a Master's degree in Corporate Environmental Management and an Industrial PhD in Environmental Engineering.

## Jakob W Nielsen – Miljøskærm



Miljøskærm<sup>®</sup>

- Founder & CEO of Miljøskærm
- Extensive industrial experience within applied material technology and process engineering
- Development & commercialisation of innovative recycling of composite waste

## Julia Smid – Ballast Nedam



**Ballast Nedam**

Julia's research explored the current state of circularity in the wind turbine sector, identifying key barriers and drivers for implementing circular strategies. Additionally, she co-founded the Circular Wind Research Network to promote collaboration and knowledge exchange in this emerging field. After two years in academia, she transitioned to industry and took on the role of Lead Circularity Decom at Ballast Nedam.



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# Keynote Speakers and Moderators

**Paul Astle - Ramboll**



**RAMBOLL**

Paul is the Decarbonisation Leader for Ramboll Buildings globally. As a structural engineer, Paul has worked on a large variety of building structures and is a strong believer in the potential to use data to unlock our understanding of how best to decarbonise our building designs. He has a deep knowledge of lower carbon materials and is working to ensure that lower carbon solutions consider value for carbon whilst mitigating wider sustainability impacts.

**Christian Steen Wittrup- a:gain**



**a:gain**

Civil engineer with an added business degree and have worked in 5 different parts of the built environment's value chain. a:gain, helps and support building owners, specifiers and contractors in how to choose, design, tender, purchase and build with products made from secondary raw materials, so that less virgin raw material has to be extracted from forests, mines, gravel pits, oil reserves etc.

**İlter Önder Aptula - Klarna**



**Klarna.**

Industrial engineer and information-security leader, İlter Önder, has spent more than fifteen years at the intersection of fintech and emerging technologies, holding senior risk-management roles at companies such as Klarna and N26. Drawing on a foundation in industrial engineering and international relations, he explores how industries can be digitalized effectively and securely.

**Lisbeth M. Ottosen - DTU**



**DTU**  
Technical University  
of Denmark

Lead on the Department of Civil Engineering focus area "Circularity in civil Engineering", and lead professor at DTU's sector development project on "Circular Construction 2019-2020". Member of Academic Council at DTU from 2018.



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# Keynote Speakers and Moderators

## Ana Teresa Macas Lima – DTU



Ana is an Environmental Engineer from the New University of Lisbon, specialized in waste treatment and remediation technologies and is currently a Senior Researcher. She has been affiliated with institutions in Europe and North and South America, having experience across various research and industrial environments. Project Coordinator of the BLADES2BUILD project.

## Gunvor Marie Kirkelund – DTU



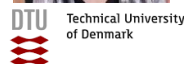
Associate Professor at DTU Sustain, holds a MSc in Environmental Engineering and a PhD degree from DTU Civil Engineering. Her research focuses on the environmentally safe use of secondary raw materials in construction materials.

## Justine Beauson – DTU



Justine is a Development Engineer at DTU Wind & Energy Systems and specializes in sustainable solutions for end-of-life wind turbine blades. Her research focuses on recycling technologies, reuse pathways, and material innovation to support circularity in the wind energy sector.

## Ashal Tyurkay – DTU



PhD researcher at DTU Sustain, Ashal works on digital infrastructures for circular construction materials in the EU-funded BLADES2BUILD project. With a background in architecture and façade technologies, she integrates design, engineering, and digital coordination to advance material circularity in the built environment. Organiser of the event.

If you have any questions: [asty@dtu.dk](mailto:asty@dtu.dk)



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