



WOOD
K PLUS



**Wood (K plus) for Lightweight
(Kompetenzzentrum Holz GmbH)**

Wood K plus 2030

Innovative solutions for a circular bioeconomy

VISION 2030

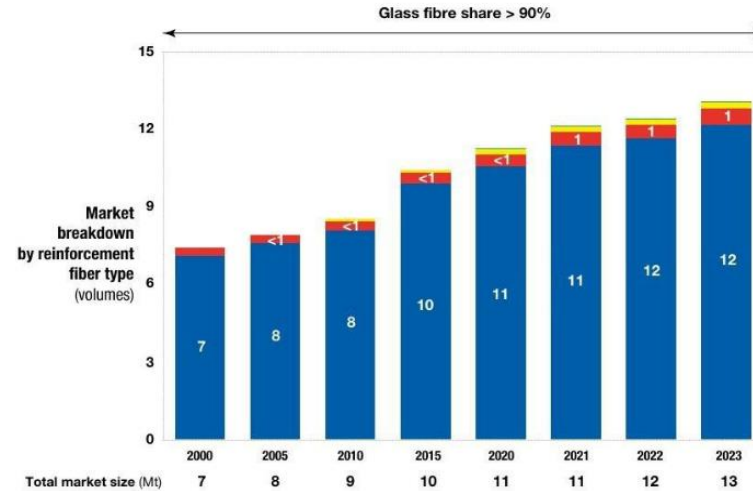
... is to be a leading international research organisation by tackling important research questions in order to **enable resource-efficient management in the circular bioeconomy.**

MISSION 2030

... is to **conduct research into sustainable materials, processes and technologies** for industrial applications and products **from renewable resources.**

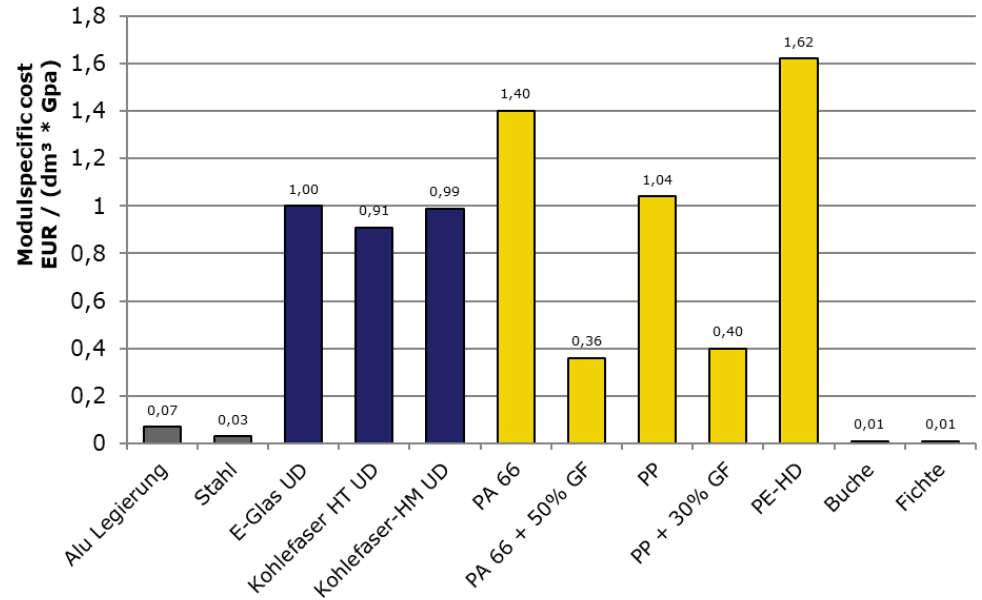
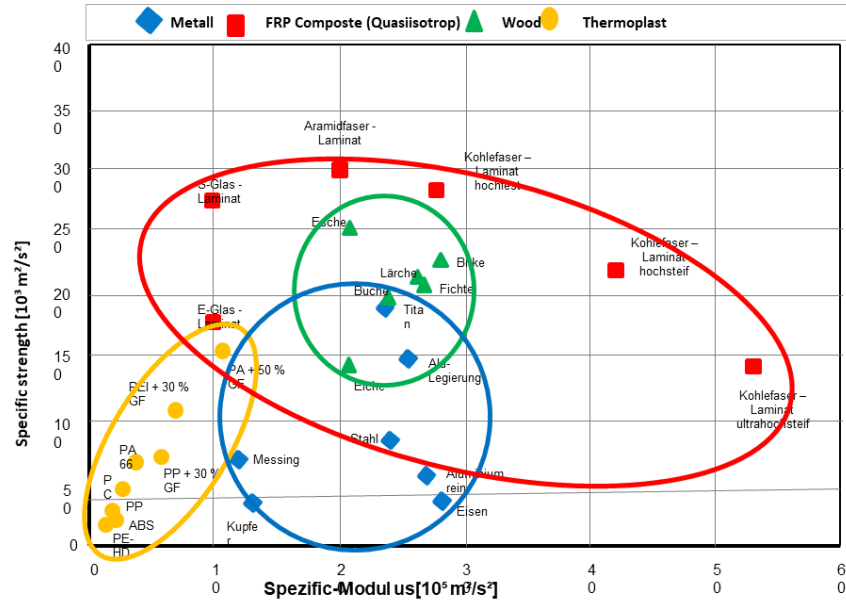


Natural composites beyond wood

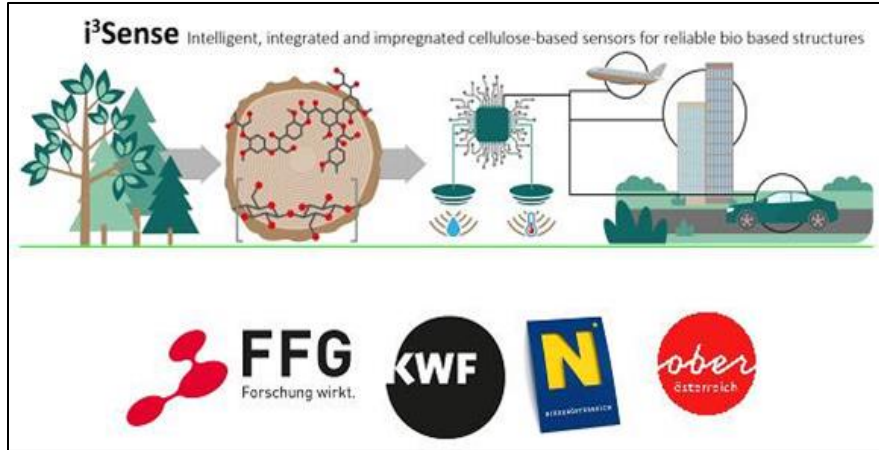


	Volume delta 2000-2023	Cost index 2023 ⁽²⁾	Share in value 2023
Others	+0.0 Mt	18	2%
• Aramid			
Carbon fiber	+0.2 Mt	14	18%
• Aerospace			
• Energies			
• Consumer goods ⁽¹⁾			
• Automotive...			
Natural fiber⁽²⁾	+0.3 Mt	1	4%
Glass fiber	+5,1 Mt	1	77%

Arguments for Natural Composites



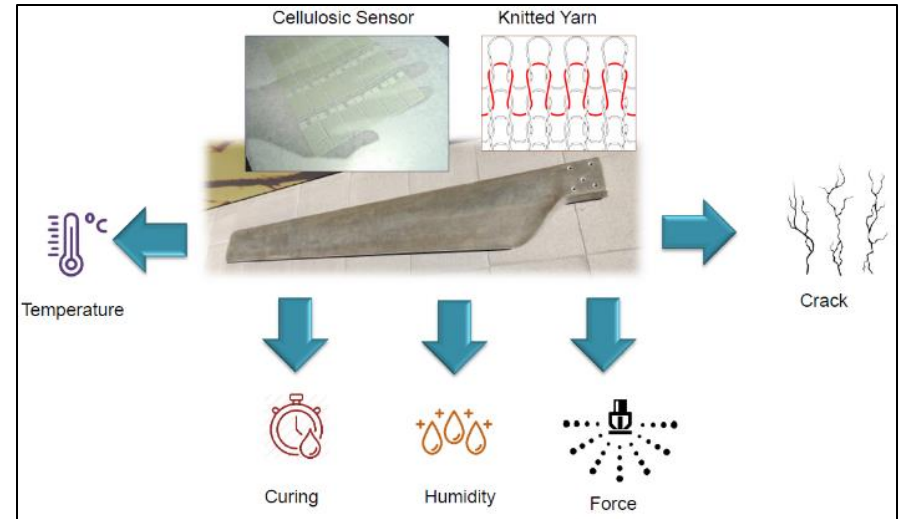
Simulation and Validation



The future will be smart, green, and connected –
i³Sense will help to realise the future.

https://www.wood-kplus.at/en/aktuelles/wood-k-plus-receives-a-grant-for-the-comet-module-i3sense_n130

Use case example – Rotor Blade



Contact:

Kompetenzzentrum Holz GmbH
Altenberger Straße 69, 4040 Linz, Austria

Phone: +43 (0)732 2468 6750

Fax: +43 (0)732 2468 6755

E-Mail: zentrale@wood-kplus.at

Homepage: www.wood-kplus.at

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