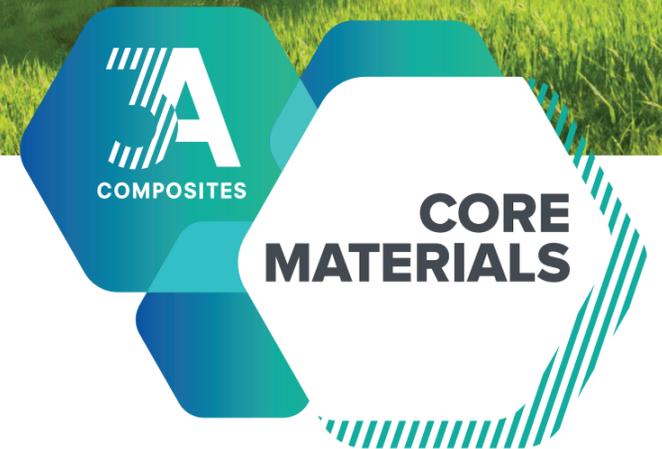
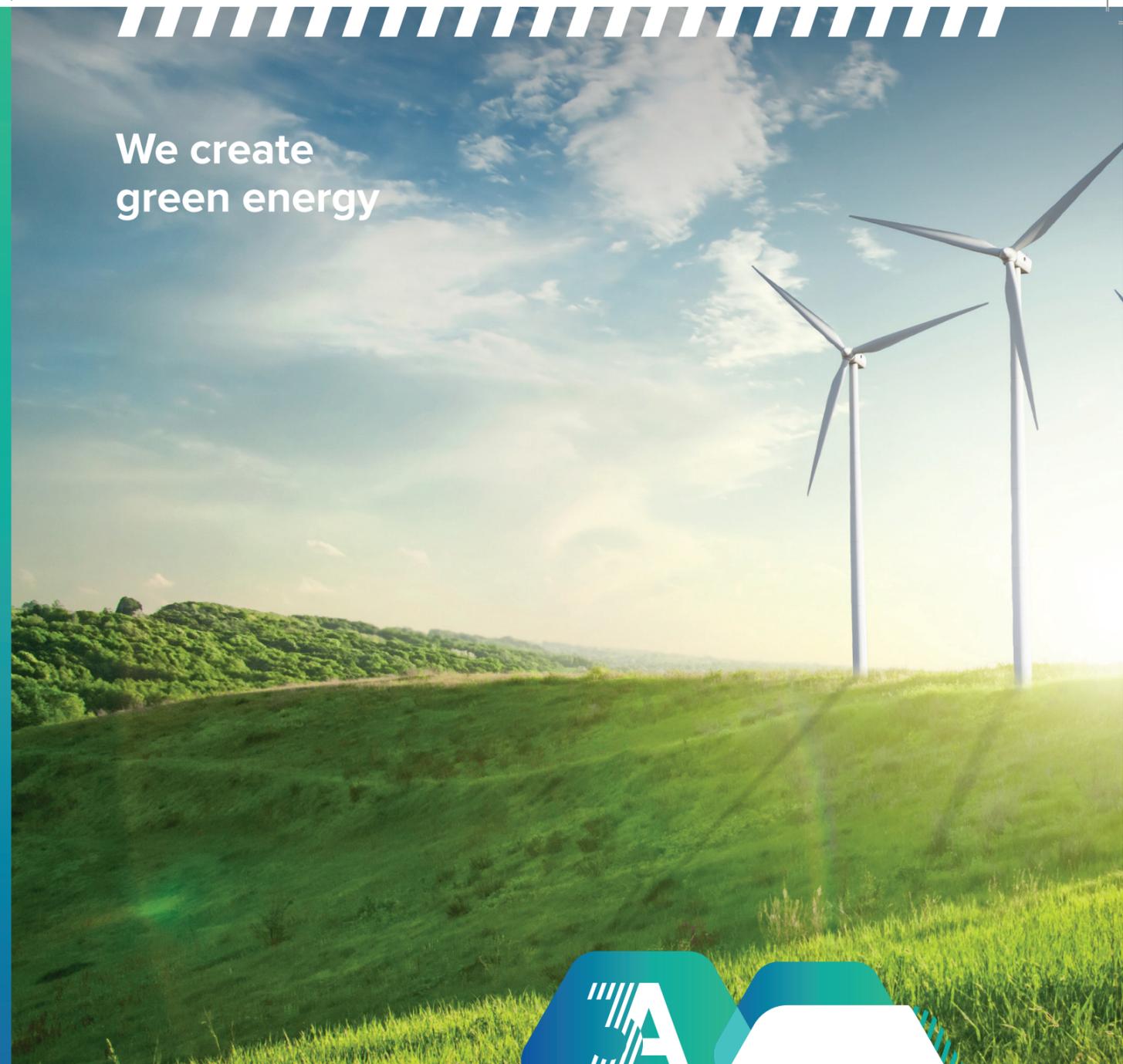


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# Best performance and value for Wind applications

## Best total cost of ownership

Wind turbine components and especially wind rotor blades need to optimally combine rigidity, a lighter weight and long-term stability. They should also be cost-efficient to assure grid parity. Furthermore, the increased production cycles require easy-to-process and temperature resistant materials. The structural design and the material selection play a decisive part in this design optimization.

With the **Hybrid Core Concept**, 3A Composites Core Materials has the product portfolio, the expertise and the toolset to optimize the design of any sandwich structure for wind energy applications.

Our **AIREX** and **BALTEK** products offer you 6 top advantages:

1. Great strength and stiffness at lowest weight
2. Material availability and short lead times
3. Ease of processing
4. Excellent fatigue and long-term stability
5. Total Cost of Ownership
6. Core materials from renewable resources

For us, the deep understanding of our customers' fundamental requirements and their applications is the basis for fruitful customer service. Thus, we can then offer solutions that are best suited to optimally meet or exceed our customers different needs. The result is an optimized material solution that will support our customers to be even more successful in their markets.

**3A Composites Core Materials** offers the perfect sandwich solution for virtually any structural part of a wind energy installation such as:

- / Rotor blades (shear web, shells, edge close-outs)
- / Nacelles (covers, platforms)
- / Spinners

# Our Wind Portfolio

## Especially suitable materials

### Shear webs

- AIREX T92** Light, fatigue resistant
- AIREX T92 SealX** Very low weight, lowest resin uptake, total cost efficiency
- AIREX T10** Performance advantage by alignment to load path, total cost efficiency
- BALTEK SBC** Extremely strong and rigid
- AIREX C70** Especially light

### Shells root section

- AIREX T92** Light, fatigue resistant
- AIREX T92 SealX** Very low weight, lowest resin uptake, total cost efficiency
- AIREX T10** Performance advantage by alignment to load path, total cost efficiency
- BALTEK SBC** Extremely strong and rigid

### Shells, tip of blade

- AIREX T92** Light, fatigue resistant
- AIREX T92 SealX** Very low weight, lowest resin uptake, total cost efficiency
- AIREX T10** Performance advantage by alignment to load path, total cost efficiency
- AIREX C70** Especially light

### Edge close-outs

- AIREX T92** Light, fatigue resistant
- AIREX T92 SealX** Very low weight, lowest resin uptake, total cost efficiency
- AIREX T10** First industrialized PET foam core total cost efficiency

### Nacelles

- AIREX T92 SealX** Very low weight, lowest resin uptake, total cost efficiency
- AIREX T10** First industrialized PET foam core total cost efficiency

Our core materials can be delivered with various finishing options for easy handling, efficient processing, maximum resin savings and best laminate aesthetics.

**BALTEK SBC** is made of material from well-managed, FSC-certified forests and other controlled sources.

**3A Composites Core Materials** is a global organizational unit within the **3A Composites Group**, a part of **Schweiter Technologies** (SIX Swiss Exchange: **SWTQ**), with operations in **Europe, the Americas, China, and Papua New Guinea**.

### Stronger, lighter, greener future

**3A Composites Core Materials** is a global leader with the broadest portfolio of high-performing and sustainable core materials with main focus on PET foam and balsa wood. We are the pioneers in sandwich technology with more than 75 years of experience.

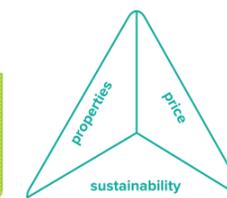
Since the very beginning our focus has been developing strong and solid, yet lightweight core materials, which allow to manufacture more durable, sustainable and energy-efficient end products for our customers. Our products have also the purpose to create a stronger, lighter and greener future.

### We have innovation deeply planted in our core

Each of our products is a result of profound expertise and advanced thinking of our engineers, working in partnership with our customers and leading experts and research institutes. We shape the industry trends and keep our offer at the cutting edge of technology.

### We want to make the industry greener

Our commitment to sustainability is deeply ingrained in all aspects of our business, from developing sustainable products to protecting the natural environment and cultural heritage of the communities we work in.



Hybrid Core Concept®

The mark of responsible forestry

