



## Moving sustainability forward

Thinking for 2023 and beyond

FOR FORWARD THINKERS





## Getting transparent about sustainability

The threat of climate change means sustainability has become increasingly high priority for all our customers.

Although we don't have all the answers yet, we're committed to honest conversations with our customers and continually developing more sustainable composite processes.

From our manufacturing lines to your end application and beyond, let's move your sustainable project forward.

## Sustainability: what are you thinking about?

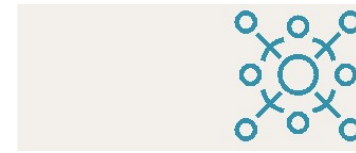
Maximizing energy efficiency  
Reducing environmental impact  
Supply chain transparency



- Energy & material efficiencies
- Extending product lifecycles
- End-of-life recycling



- Composite performance & reliability
- Reducing maintenance requirement
- Sustainability research & development



- Emissions & waste management
- Regulatory compliance
- Ongoing supplier audits

## Environmental footprint

### Our contribution

- Supply chain & manufacturing
  - Commissioning a solar plant at our Finland-based Joensuu unit and in Austrian Kapfenberg unit
  - Achieving an A+ energy efficiency rating for our new Austrian unit
  - Performing audits on key suppliers
- Circular economy and waste management
  - Participation in KiMuRa industrial recycling pilot
  - Reducing our landfill waste by 67 % (2020-2022)
  - Increasing reuse of composite waste 17 %-units (2021-2022)
  - Work continues





## Challenges

### Recycling isn't optimized

Right now, around a quarter of composite waste is incinerated for energy and the remainder goes to landfill. Different locations and restrictions also affect the extent to which we can recycle.

#### Way forward: pushing for new methods

Exel is a dedicated participant in recyclability initiatives, including Finland's KiMuRa project, which aims to find a technically and economically viable process for using crushed composite product in cement co-processing.





## Meeting the challenges ahead

We're proud of the sustainability progress we've made internally and for our customers.

But if we're to push towards a truly sustainable circular economy, there are some challenges that need addressing.

▶ Here's some of our forward-thinking in progress.



## But what about your future?

How we're helping customers advance sustainability.



- **Increasing transparency** for customers by adding a CO<sub>2</sub> calculator to our costing process
- **More social responsibility** with specific community involvement, in line with the ISO 26000 standard.
- **Advancing waste management** - reducing landfill wastage and ensuring 100% recycling of all recyclable waste
- **Continued sustainability innovation** with ongoing research into alternative raw materials including bio-based resins and fibers



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FORWARD  
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