



# RE-CASK

GLASGOW  
WOOD  
RECYCLING

harnessing the potential of **RECLAIMED WHISKY CASKS** in moving  
towards a more **CIRCULAR ECONOMY** and **SUSTAINABLE FUTURE**

**COUNTDOWN TO COP #6:**  
**Reuse with Glasgow Wood Recycling**  
Glasgow Institute of Architects  
11 February 2021





**GLASGOW WOOD RECYCLING** – [www.glasgowwoodrecycling.org.uk](http://www.glasgowwoodrecycling.org.uk)

- A social enterprise using reclaimed wood to produce a wide range of timber products including outdoor furniture and garden planters. We also take on larger scale projects within commercial and community settings.
- Key objective & USP: provide volunteer and training opportunities to local people as a way of tackling unemployment and social exclusion.

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## RE-CASK BACKGROUND INFORMATION

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- Approximately **250,000 disused casks** are in circulation **every year**, many of which would be usually be chipped for biomass or send to landfill.
- The average oak tree can expect a living life of 50-700 years. Why is its non-living life only a maximum of 10 years on average?
- How can we breathe new life to this inherently valuable timber?





## OBJECTIVES FOR RE-CASK

- Produce a portfolio of innovative products, identify products for commercialisation, discover how these products can help to meet carbon reduction targets

## MARKET ANALYSIS

- COVID impact - altered the places people go for work and leisure drastically
- Important to understand GWR's USP compared to professional craftsmen



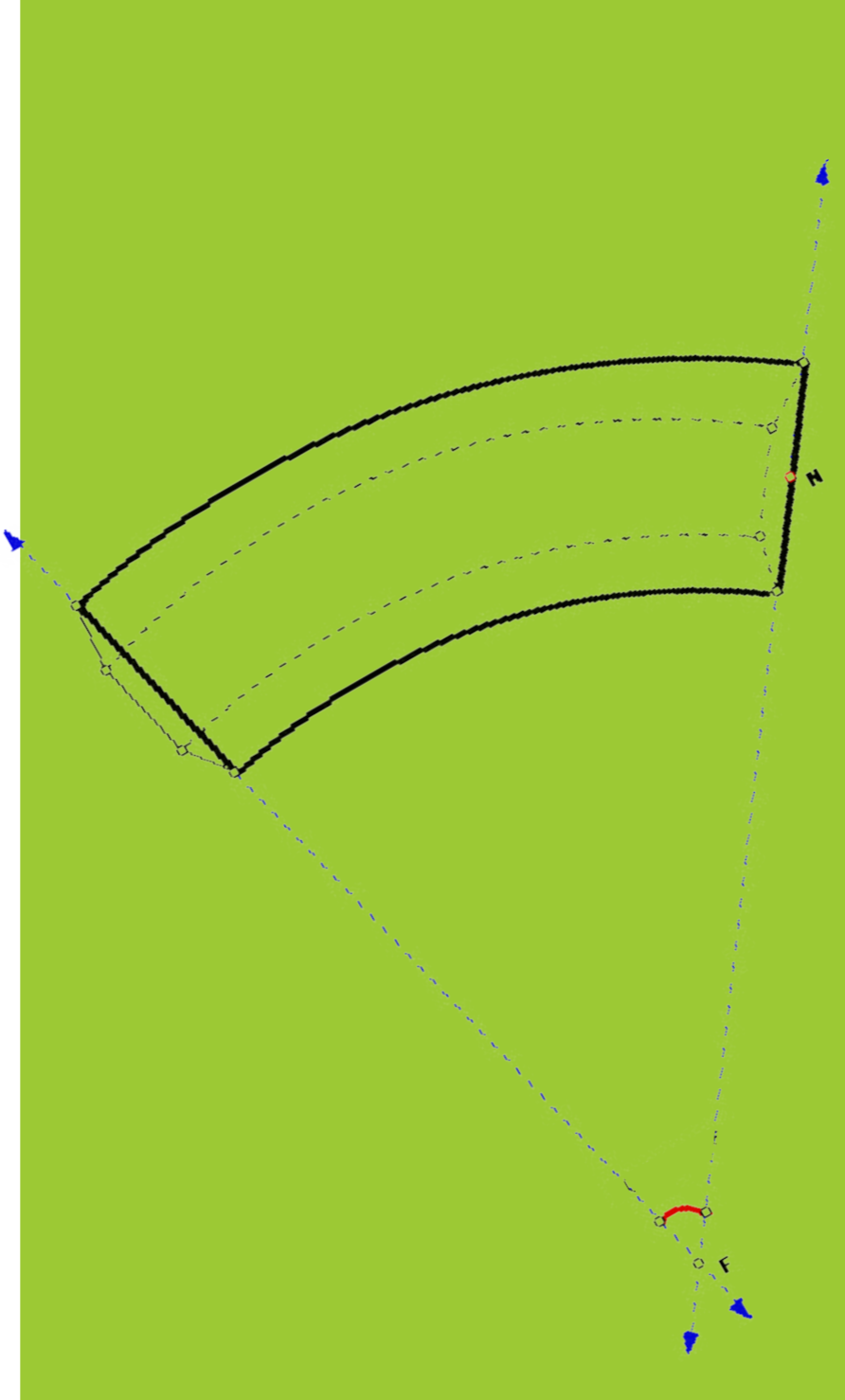


## PROTOTYPE PRODUCTS & FINISHES

- Smaller prototypes embraced the natural curve of the staves
- Fencing & screens - wide range of finishes, configurations and fixtures
- Cladding - Chivas Regal reception space
- Furniture - timber frame prototype
- Finishes - bleaching, sanding and more

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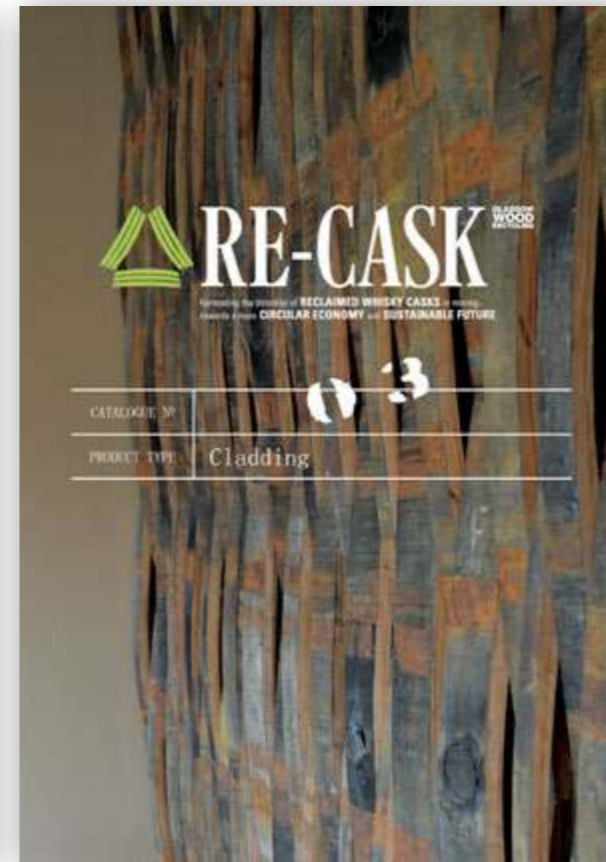
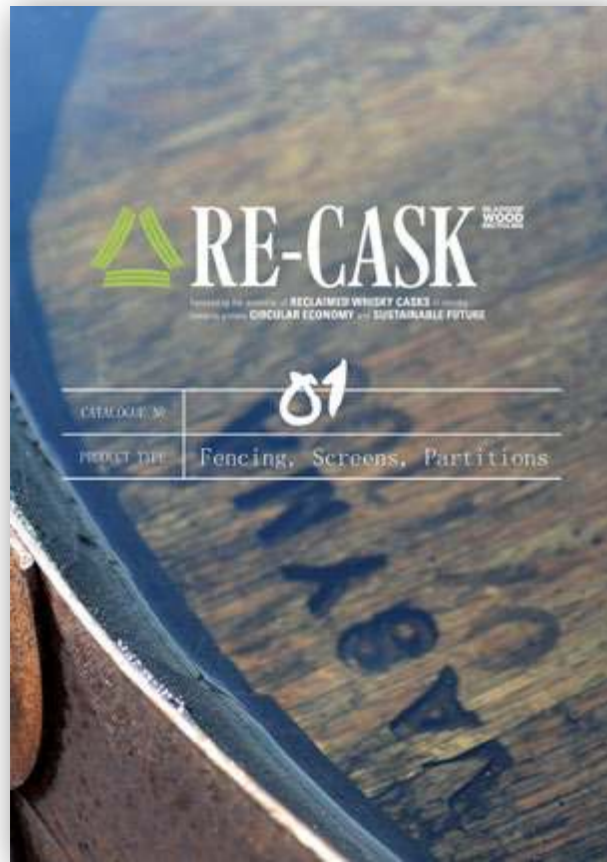




## PROCESSING TECHNIQUES

- Curved trapezoid shape
- Created an efficient selection and production process, specifically for the fencing and screens, cladding and outdoor furniture
- Potential for processed staves as a RE-CASK product in itself





**DIGITAL CATALOGUES** – [www.issuu.com/glasgowwoodrecycling](http://www.issuu.com/glasgowwoodrecycling)

- 01: Fencing, Screens, Partitions
- 02: Outdoor Play Equipment
- 03: Cladding
- 04: Indoor & Outdoor Furniture

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**RE-CASK**

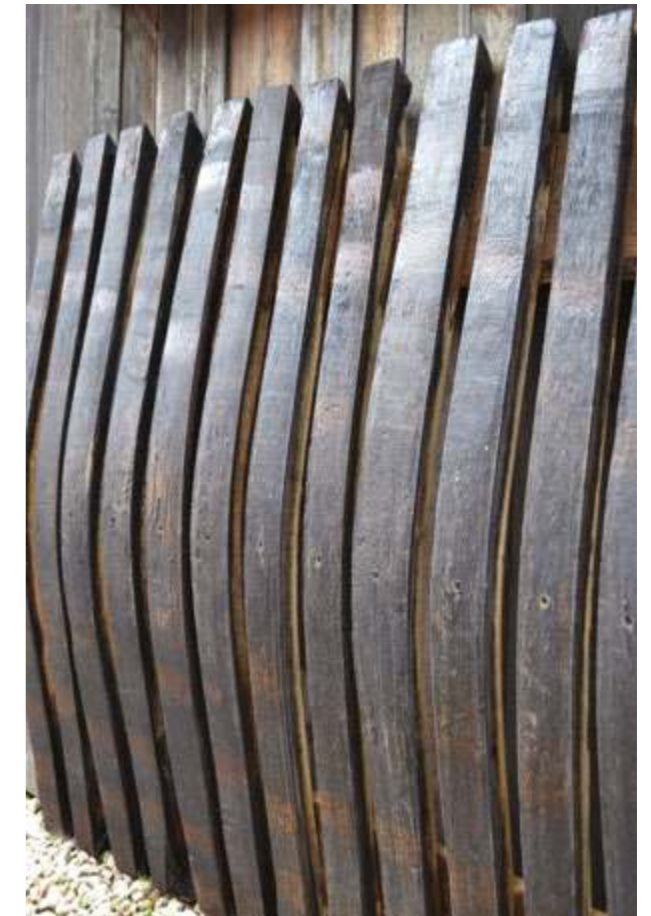




30°



Arc



Horizon



Arc



Arc



Horizon



## 01: FENCING, SCREENS, PARTITIONS

- Fencing - full stave, half stave
- Screens - Arc, Horizon, 30°, Square (4 configuration options)
- Applications: public and private green spaces, offices (home and corporate), conferences & events (hire for weddings, meetings, private dining), hospitality (indoor and outdoor drinking & dining)





## 02: OUTDOOR PLAY

- Climbing blocks, sand & water play, den, tunnel and pulpit
- Alternative garden/outdoor storage solutions
- Health & safety - rigorous testing, certifications and guarantees needed

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### 03: CLADDING

- Checkerboard cladding
- Full stave cladding - Chivas Regal reception space
- Block cladding
- Potential for processed staves as a RE-CASK product aimed at architects, designers and others who may be interested for their own projects





Sustrans bench



#### 04: OUTDOOR FURNITURE

- Sustrans bench, as part of Pocket Places with Kilbarchan School
- Bench, bench with back, double bench, stool, standard table and wheelchair accessible table
- Complete outdoor spaces accompanied by RE-CASK fencing & screens
- Applications: public & residential spaces, hospitality sector





## Q&A and moving forward

- Demand, suitability, improvements, adaptations
- Further applications - indoor and outdoor
- The procurement process
- Barriers to entry - testing, guarantees
- Marketing assets, embodied carbon/carbon savings

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[marketing@glasgowwoodrecycling.org.uk](mailto:marketing@glasgowwoodrecycling.org.uk)

+44 (0) 141 237 8566

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