

PURE³ SOLUTIONS

**We make PU
sustainable.**

Up to **94%**

ANPE - 6a Conferenza Nazionale

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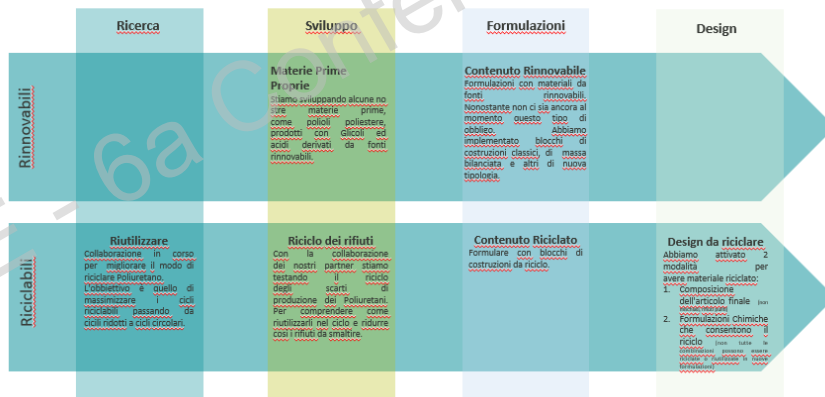
SUSTAINABILITY IS PART OF OUR DNA

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Noi in Plixxent intendiamo la sostenibilità come un concetto olistico incentrato sulle 3 dimensioni: ambiente, economia e società.

Vogliamo essere attori principali nel cambiamento della catena del valore, focalizzandoci sulla diminuzione del nostro impatto ambientale creando valore e promuovendo l'equità e la diversità.

» Ridurre quello che facciamo: Prodotto



L'uso delle Rinnovabili ed il riutilizzo del Poliuretano sono due elementi essenziali verso la CIRCOLARITA'.

» Sustainability in action

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FINALISTI NELLO UTECH INNOVATION AWARD

Siamo stati nominati finalisti per il premio all'innovazione allo UTECH in Maastricht 2021 per il nostro sistema di soles per calzature con contenuto rinnovabile pari al 70%



Utilizziamo fino al 30% di materiale riciclato nella nostra formulazione Spray

Abbiamo una formulazione elastomerica con contenuto rinnovabile dell'82% con l'obiettivo di raggiungere il 95%



WHAT IS SUSTAINABILITY?



CO₂

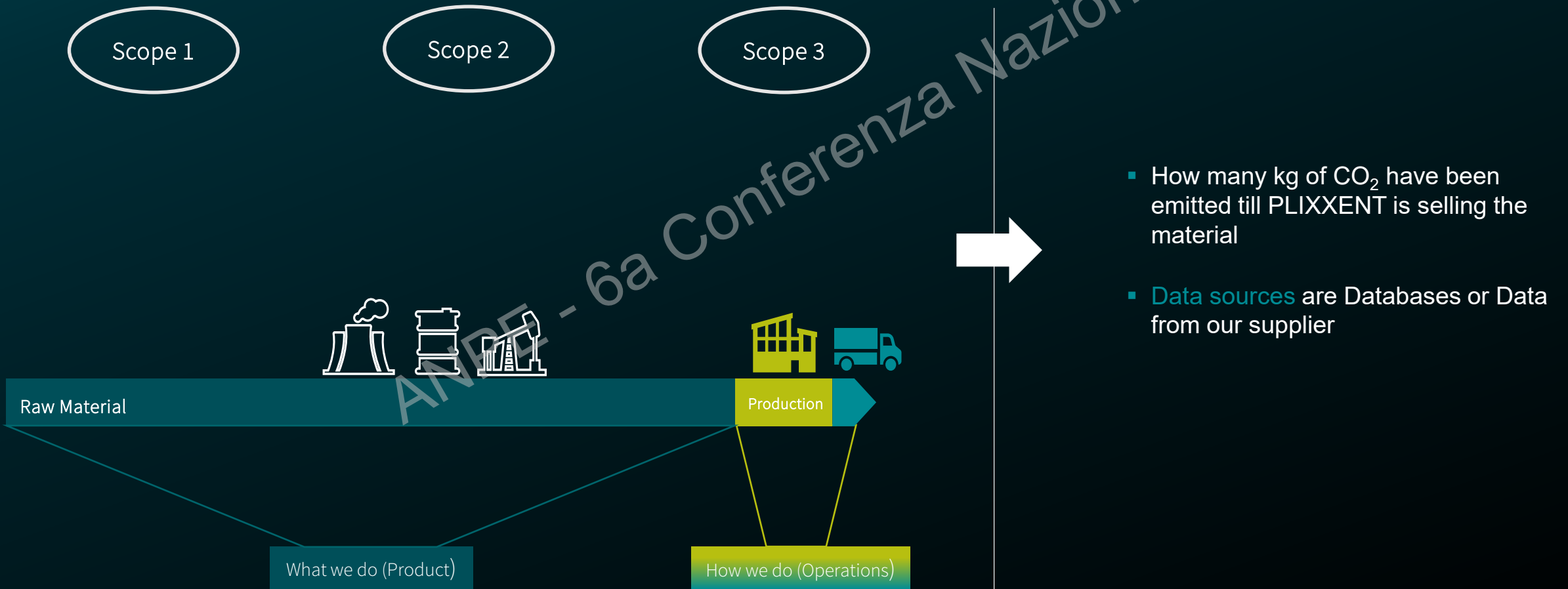
Bio Origin

Circularity

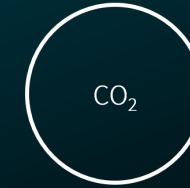
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COMPANY FOOTPRINT

PRODUCT FOOTPRINT



! Bio Origin does not equal CO₂ reduction !



Sustainability & Polyurethane

Different ways to achieve more sustainable Polyurethane



- Different ways to achieve this, i.e.
- Energy saving
- Less harmful chemicals



C14 detection



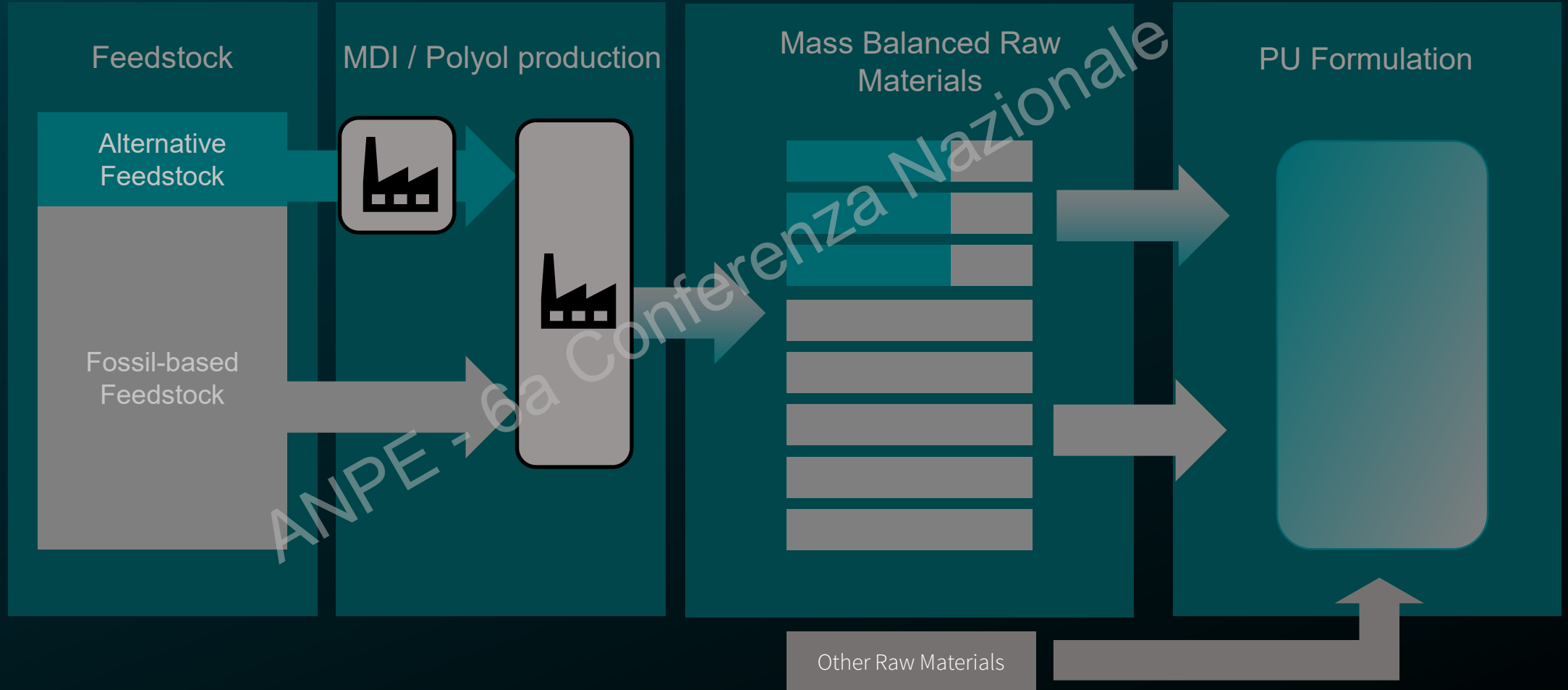
- From EoL
- From in production waste



- Like eco energy model
- Drop in replacements

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Sustainability & Mass Balance



The amount of sustainable content = Sum of (Content/molecule* x amount in the formulation)

* All molecules in the formulation

OUR BRAND: PURE³ SOLUTIONS

Reduce



Reducing the amount of fossil raw materials by using renewable, non-fossil based ones, e.g. producing polyol from plants and by offering ISCC+ certified mass balanced systems

Reuse



Reusing end-of-life bio and industrial products to produce our PURE³ Solutions to minimize waste and ensure product circularity

Recycle



We work closely with industry partners and research institutes to develop economic solutions that return old PU to their chemical starting point, making them fully recyclable

PURE³ Brand

- The basic claim of the Campaign calls that **our offering includes products with a composition of up to 94% of PUn³ contents**

ISCC+ certification

- **ISCC is an externally yearly audited Certification scheme common in the Chemical Industry. It guarantees the Chain of Custody** of materials in the value chain along different market player
- Target are **products that are of biological origin** (biogenic) or are obtained out of **biological waste** or come from **recycled materials**
- **Physical separation of products is optional**; a Mass-Balance approach is possible

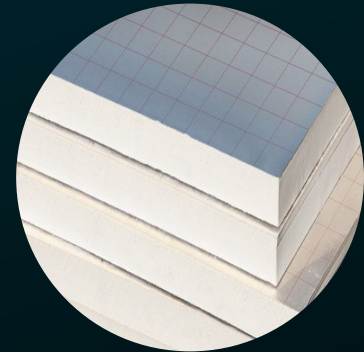
PRODUCT EXAMPLES



Spray Insulation with recycled content



Elastomers renewable content



Conti Lamination with recycled content



Spray Insulation with renewable content



Footwear materials with bio origin content

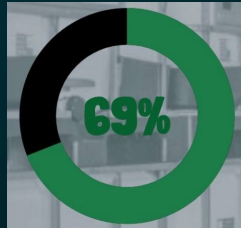


Seating Foams with renewable content

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REFURBISHED IBC

- CO2 saving through reconditioned IBC
- E&Y study analysed the saving in different IBC types



4.4 Carbon footprint: IBC

Figure 7 shows a comparison between the life cycles of newly manufactured IBCs and reconditioned IBCs. The benefit of reconditioning an IBC is substantial. The GHG-emissions of reconditioned IBCs are less than a third of the GHG-emissions of newly manufactured IBCs.

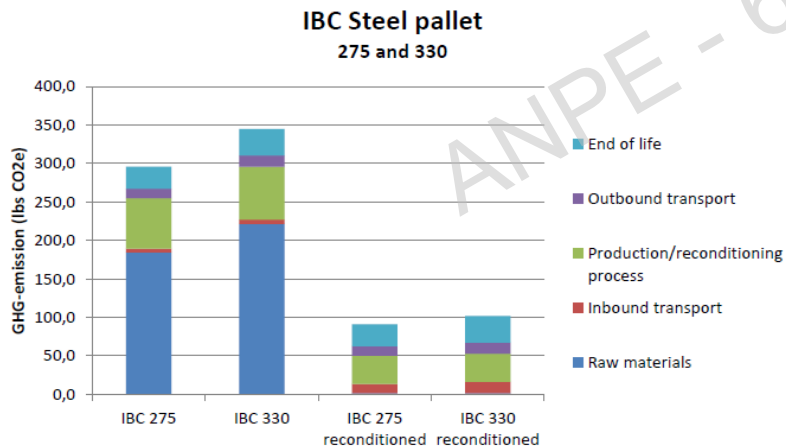


Figure 7 Comparison of carbon footprint between newly manufactured IBCs and the reconditioned IBCs with the sizes 275 and 330 lbs.

PRODUCTION AND MORE

- 42% electricity from renewable sources
- Scrubber (no emissions into the air from our processes)
- Paperless office
- LED lights
- Reduction of single use items
- Charging stations at the office for electric vehicles

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THANK YOU!

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