



halls & walls

 DAV

The Greener Gym - Idealistic fantasy or practical reality?

The Greener Gym

Idealistic fantasy or
practical reality?





Energy, Venue & Accommodation

Transport & Travel

Waste & Water

Information & Communication

Social & Financial

Food, Drink, Catering & Merchandising



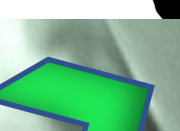
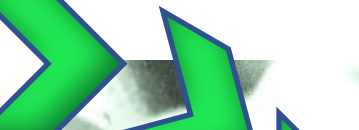
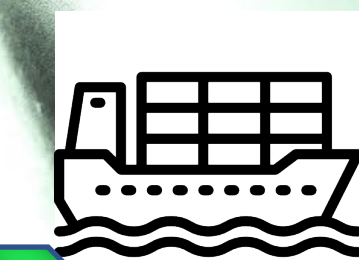
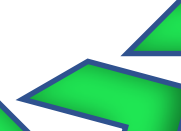
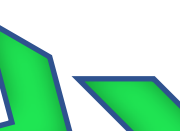
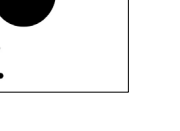
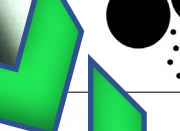
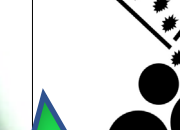
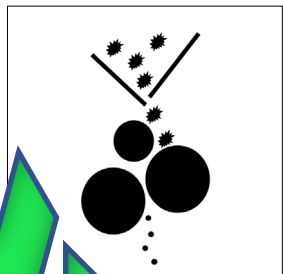
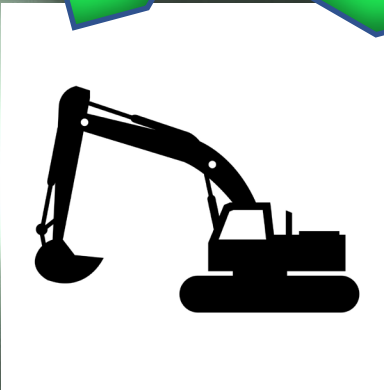
IFSC Europe Sustainability Award

Refuse
Reduce
Reuse
Recycle

ADAPTION



The Greener Gym - Idealistic fantasy or practical reality?



The Greener Gym - Idealistic fantasy or practical reality?



Innovate

Invest

Inspire

The Greener Gym - Idealistic fantasy or practical reality?

Dan French, MD, Composite X

Tim Mullens/Geert Voncken, Greenholds

Tiphaine Lazard, Marketing Man., EP CLIMBING

The Greener Gym - Idealistic fantasy or practical reality?



The Greener Gym - Idealistic fantasy or practical reality?

- **Baseline**
 - your company's current impact
- **Ambition**
 - what your company wants to achieve
- **Commitment**
 - leadership, staff, investors

The Greener Gym - Idealistic fantasy or practical reality?



halls & walls
* **DAV**

The Greener Gym - Idealistic fantasy or practical reality?

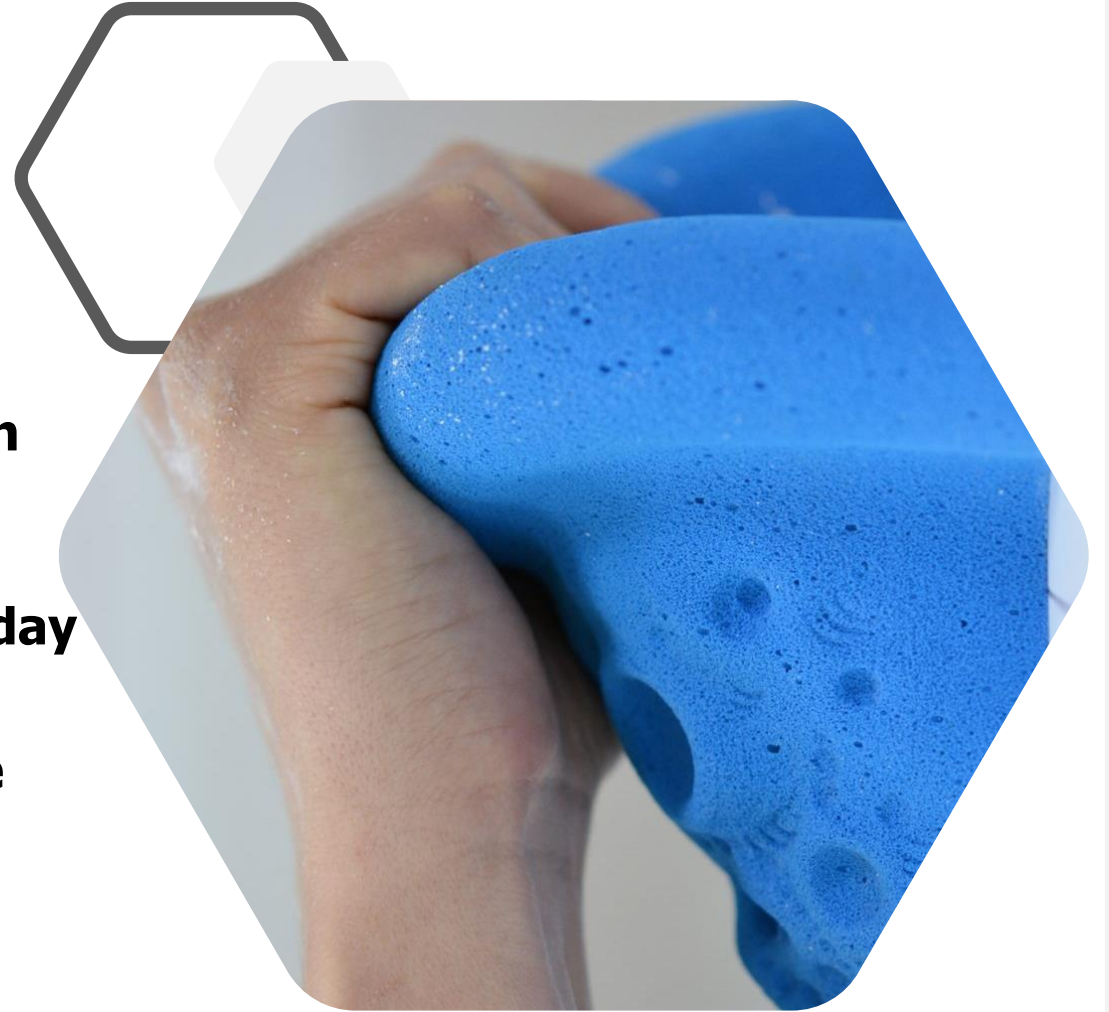
Composite X



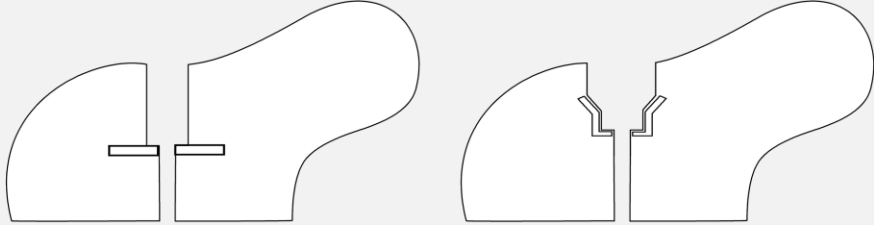
**THE
CLIMBING HOLD
COMPANY**

ABOUT US

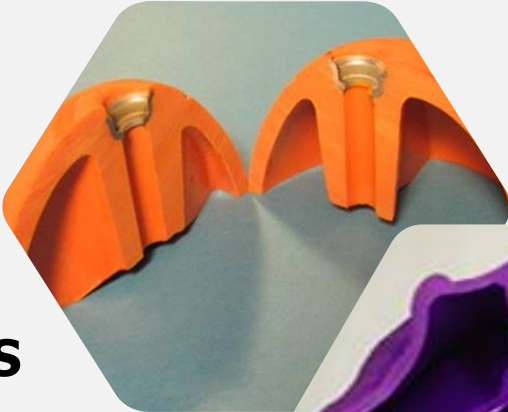
- **Established in 2005**
- **150 employees**
- **4,500m² of factory space. A further 1,700m² in development**
- **Capacity of 15,000 approx Climbing holds per day**
- **Manufacturing more than 55 brands with more than 60,000 different moulds**



INNOVATION IS OUR STRENGTH - **TIMELINE**



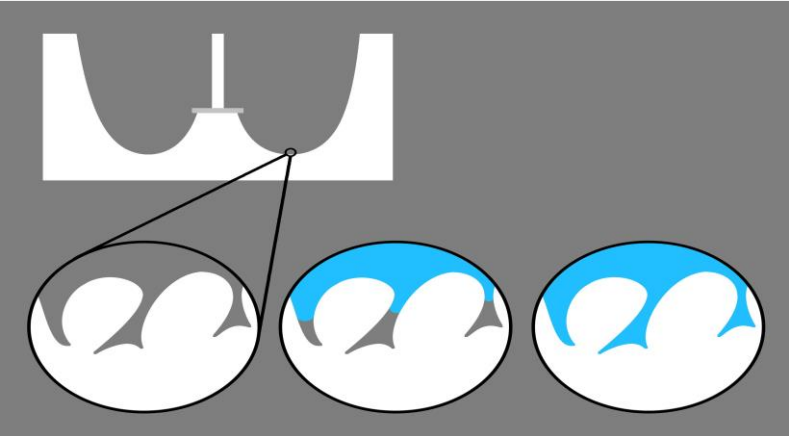
2008 ● **DUAL BOLT WASHERS**



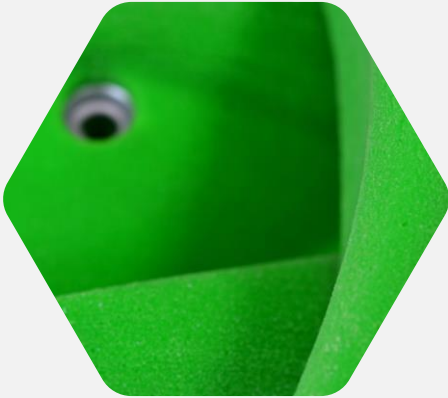
2009 ● **PU REDUCERS**



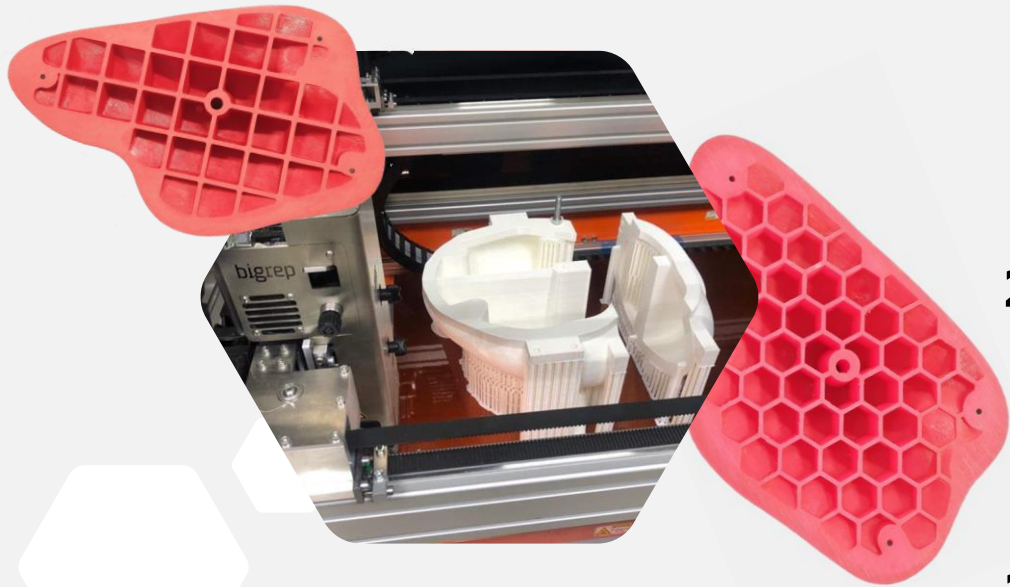
2012 ● **AUTOCLAVE USE**



INNOVATION IS OUR STRENGTH - **TIMELINE**

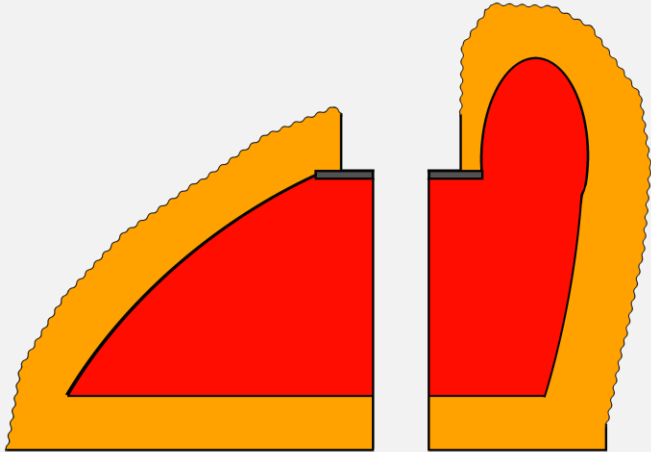


2016



2020

SKUISH



2021

3D PRINTING

2024

SOMETHING QUITE **EXCITING**



ENVIRONMENTAL POLICY

Composite X



GENERAL GOALS

CompositeX

- **Lower CO2 Emissions**
- **Internal Environmental Culture**
- **Long Life Products**
- **Minimize Waste to Landfill**



SOLAR ENERGY PROJECT



CompositeX



Composite X



COMPANY CULTURE





halls & walls

 DAV

The Greener Gym - Idealistic fantasy or practical reality?

green
holds 

The new generation of climbing holds

World's first 100% recyclable climbing holds
made out of waste.

holds



Winner

WHY?

Contributing towards a more sustainable planet.
Creating the Greener Gym.

HOW?

Shifting from linear to circular product, service & business model.

WHY?

HOW?

Climbingholds made out of waste.
NO thermosets.
100% recyclable at end of life.

WHAT?

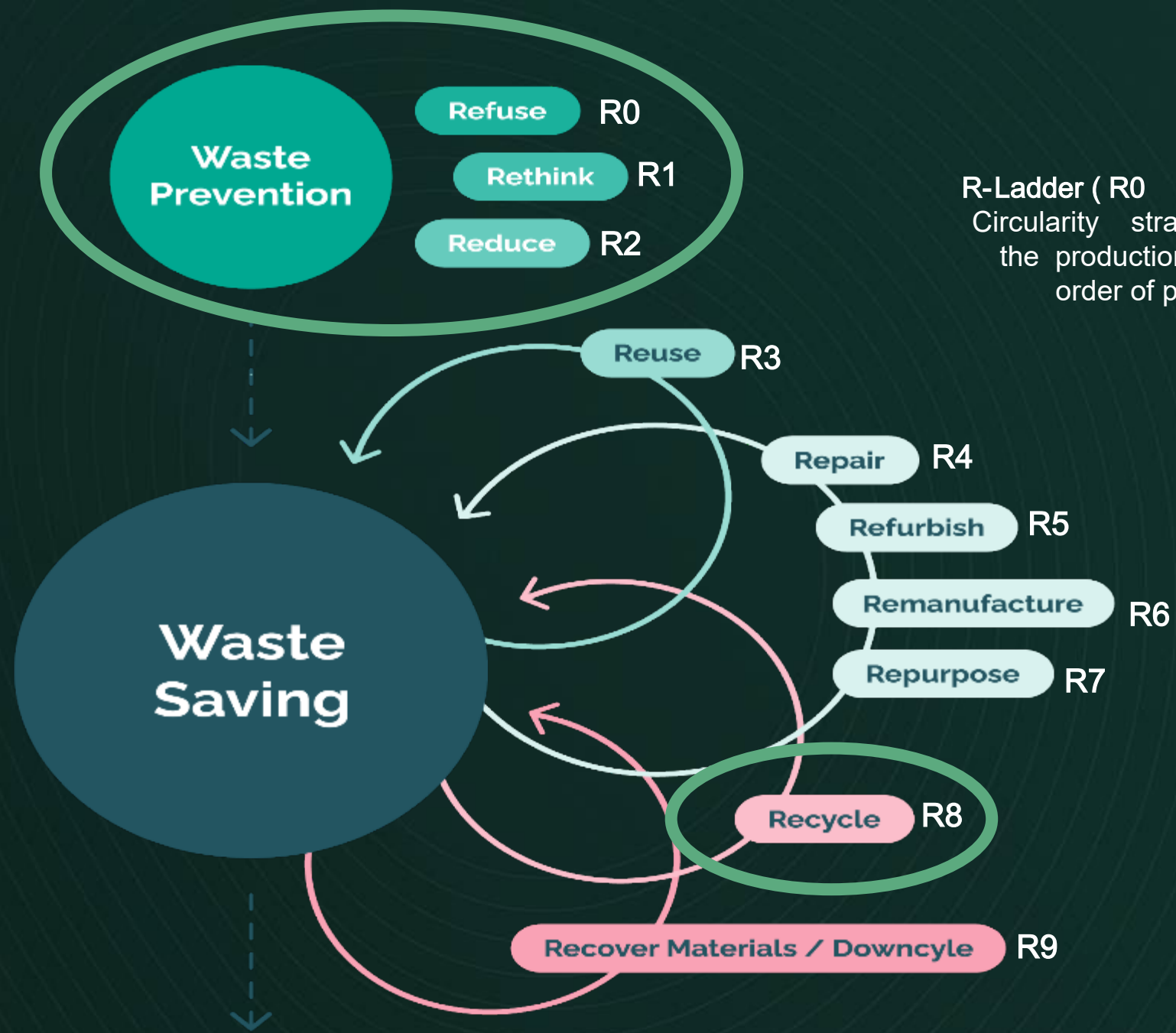


Circular economy
(Future market)


Increasing
circularity

Rule of thumb :
Higher level of
circularity =
fewer natural
resources and
less
environmental
pressure

Linear economy
(current market)



R-Ladder (R0 – R9)
Circularity strategies within
the production chain, in
order of priority

R0	Refuse	NO THERMOSETS as hold or grain
R1	Rethink	1 mould for 100+ shapes
R2	Reduce	Minimum use of material . No production waste
R3	Re - use	PA - Polyamide (Nylon) out of waste streams
R4	Repair	Circular design -> Long lifespan
R5	Refurbish	Moulds usage “endless ” by refurbishing
R6	Remanufacture	Does not apply
R7	Repurpose	Design lamp? 
R8	Recycle	100% recyclable . “Single material product” .
R9	Recover	Downcycle ?

USP's Green Holds

- Thermoplastic!
- Made out of waste
- 100% recyclable at the end of life
- Single material products
 - No iron wire or washers
- M10 bolt shaft for fast bolting
 - Additional screwholes
- Anti rotation tension
- Ultra light
- Super strong
- No chipping
- Wear resistant
- Easy to clean
 - (positive surface structure)
- Conform NEN -EN 12572-3

Products

Trainingholds



Downclimb Jugs



Shapes



Collaborations

- R&D + Supply chain 10+ (Dutch) entities
- Global Partner agreement EP Climbing

Long Term Goals

- Private label strategy
We want to work together with brands and production companies!
- Product as a Service businessmodel

!OPEN FOR COLLABORATIONS!



green holds



Visit us at booth
A7 - 307

Lets make our sport sustainable together
greenholds.eu





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BRINGS CLIMBING
to everyone





2021

We start working
on CSR policy



Our first steps

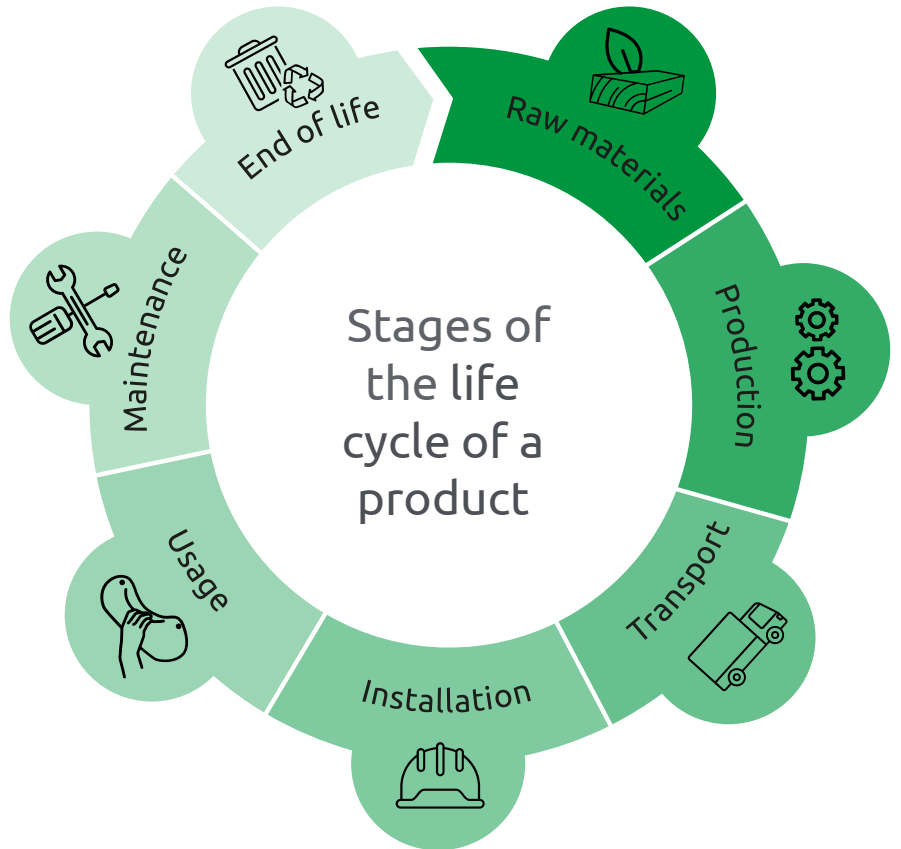


We've done the research



What is the environmental impact of a climbing wall ?

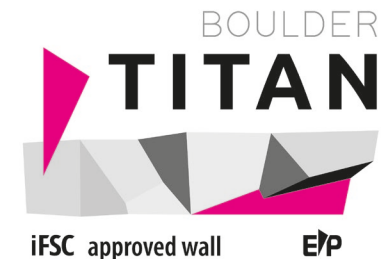
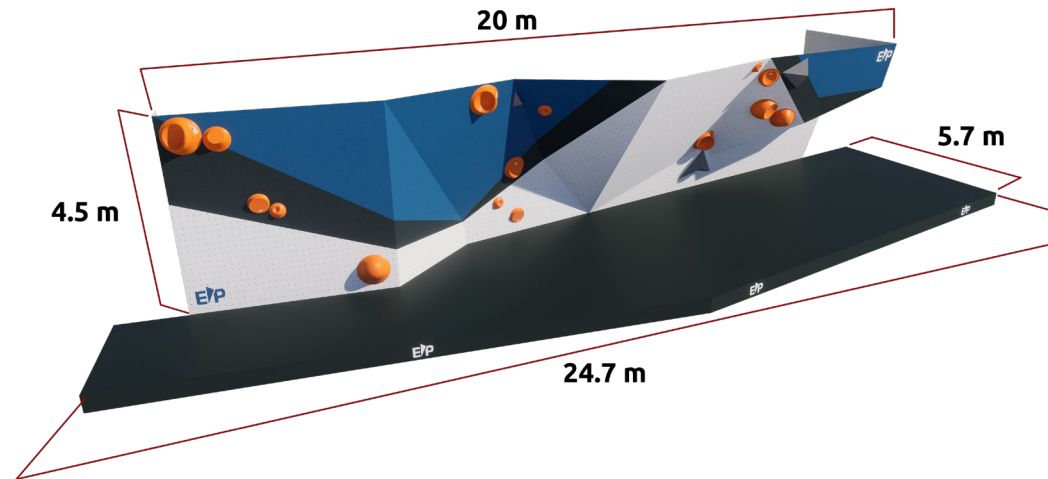
What is a Life Cycle Analysis?



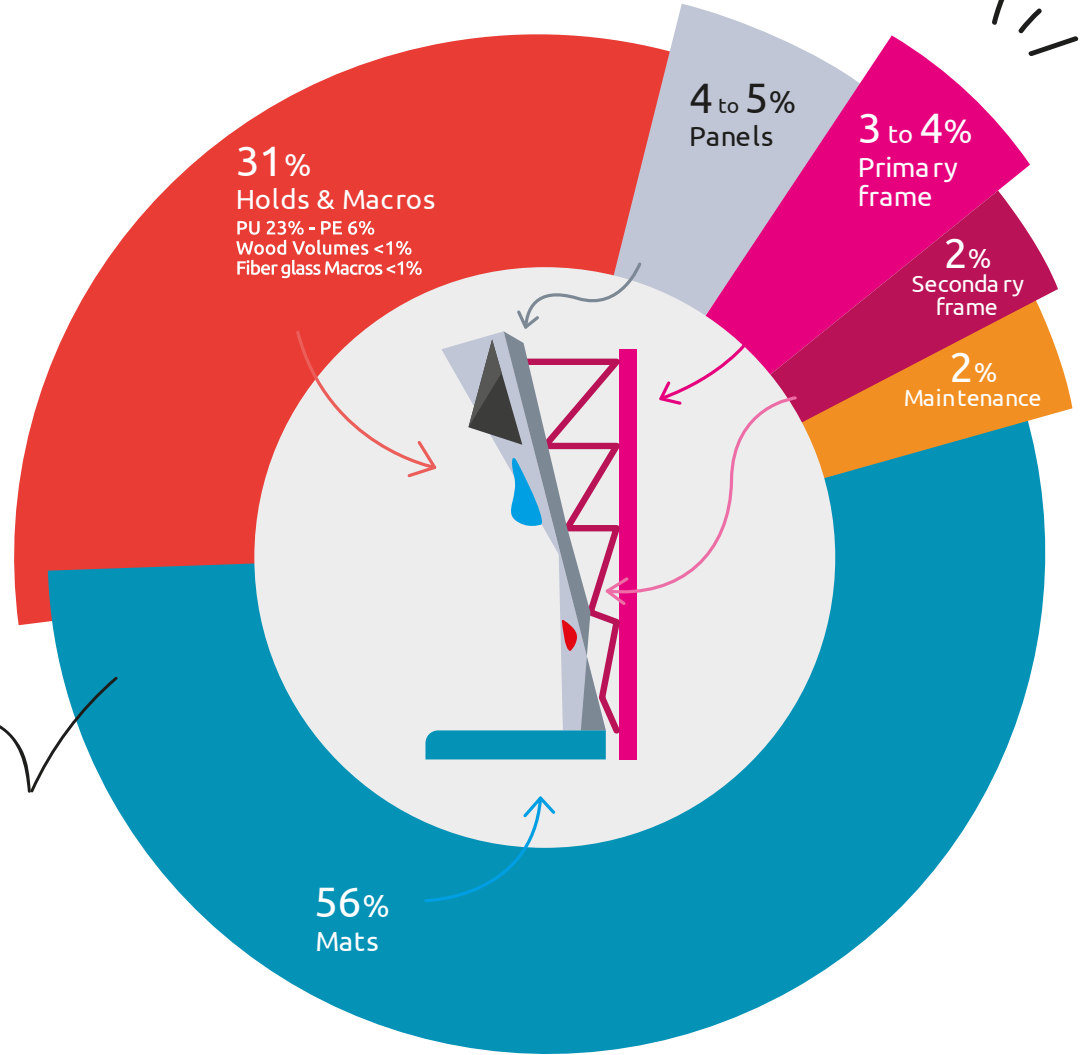
IFSC official boulder wall, **TITAN**,
105 sqm of climbing surface

Context

- › **Wall location:**
Paris, France
- › **EP production sites**
France & Spain
- › **Elements of the study:**
 - Wall including panels structure & hardware
 - **Mats**
 - **Holds, volumes & macros**
- › **Life Time:** 20 years
- › **Various scenarios studied**
 - Wood or steel frame
 - 18mm or 21mm plywood panels



The results



Global warming impact:

≈ 80 500 kgCO₂e

Equivalent to:
94 Paris-NY journeys by plane
2654 smartphones

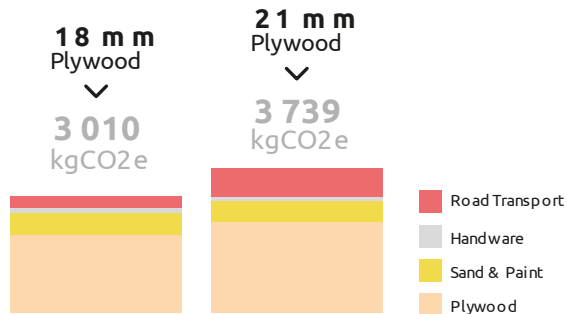
4 to 5%
panels

18mm vs 21mm Plywood

18mm panels offer an overall **carbon savings of 0.9%** compared 21mm panels.

EP commitments

- FSC certified
- VOC-free paints
- ISO9001 & 14001 certified
- Produced in Spain



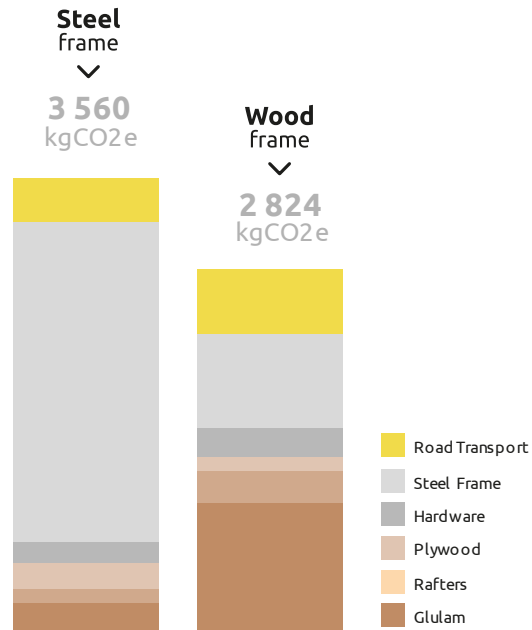
**3 to 4%
primary
frame**

Plywood vs steel frame

The wood frame saves less than 1% on the carbon weight of the overall wall.

EP commitments

- FSC certified
- ISO9001 & 14001 certified
- Produced in Spain



Holds impact

PU 23%

PE 6%

Wood Volumes <1%

Fibreglass Macros <1%

EP commitments

- *Reducing plastic in packaging*
- *100% recyclable packaging*



**31%
Holds &
macros**



Mat impact

The manufacturing of the **polyurethane foam** is responsible for over 70% of the mat's carbon emissions.

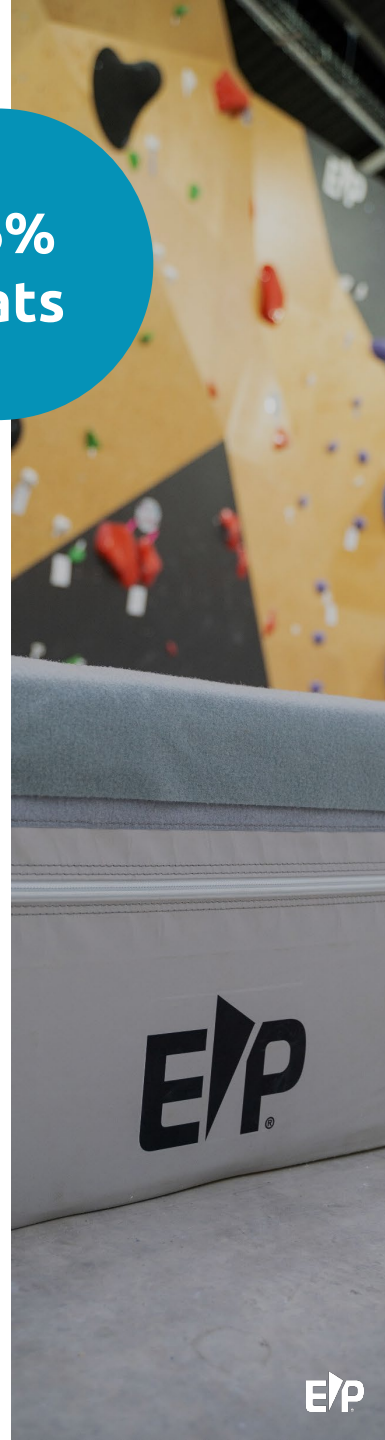
With a low lifespan of 5 years, you'll need 3 replacements to last 20 years.

EP commitments

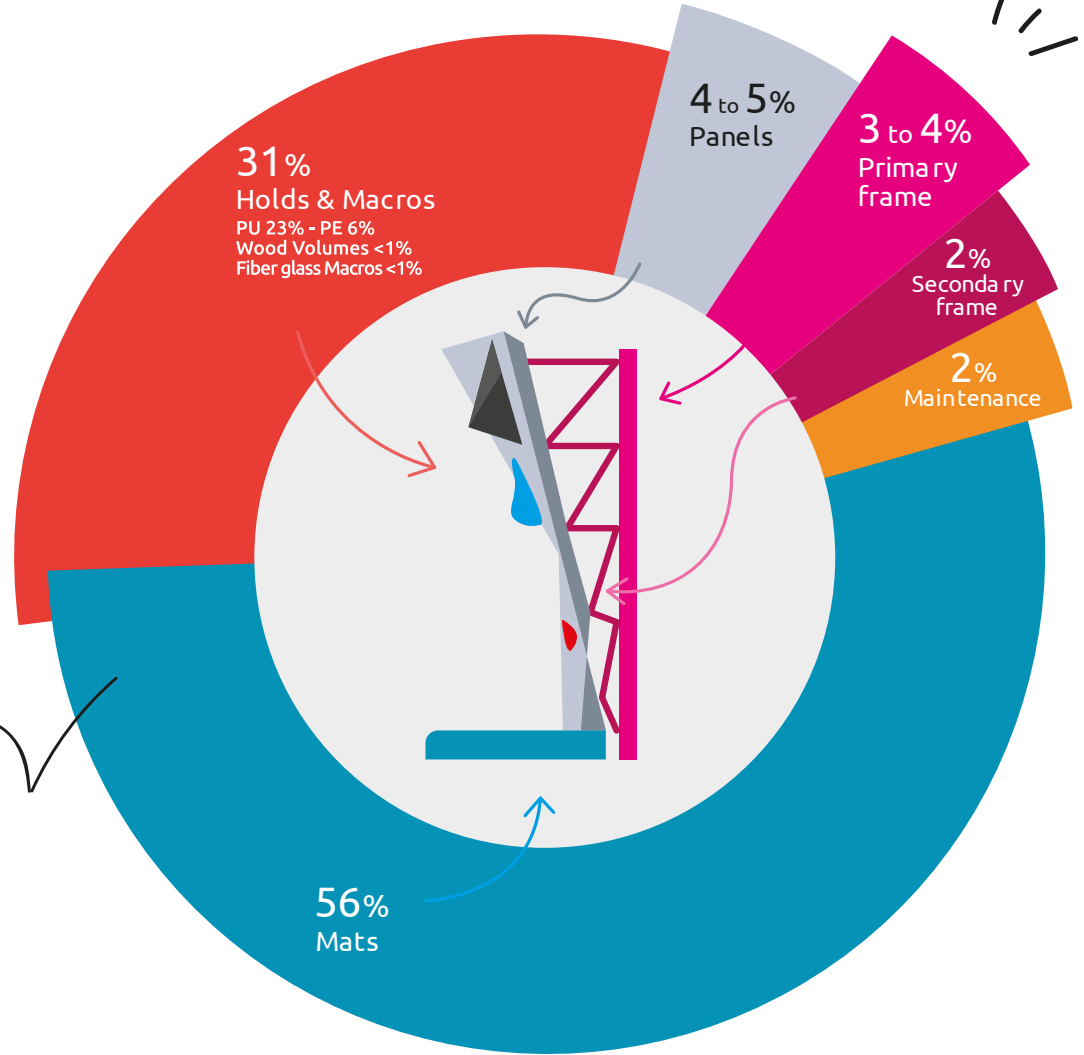
- *Produced in France*
- *ISO 14001 & 9001 certified*



**56%
Mats**



The results



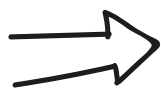
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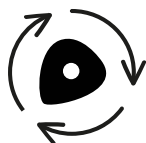
Equivalent to:
94 Paris-NY journeys by plane
2654 smartphones

What's next?

Our actions



Holdy



GREENHOLDS

100% recyclable and recycled holds



VOLX PRODUCTION

Based in France, one of the **best energy mix** in Europe.



ghold

French production for a **sustainable alternative to PU**



Mats



R&D Team

Focusing on **less impactful raw materials** and **extending product lifespan**.

Our focuses...

Improving mat longevity
and durability



56%
Mats

Looking for new hold
materiel and usage

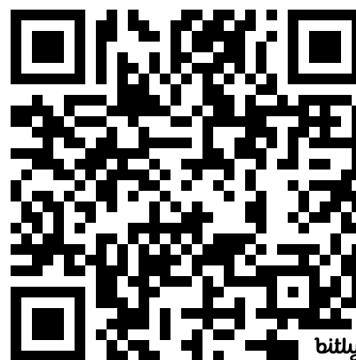


31%
Holds &
macros



Thank you!

**Want to
receive the
full study?**



Stand no : A7-505

