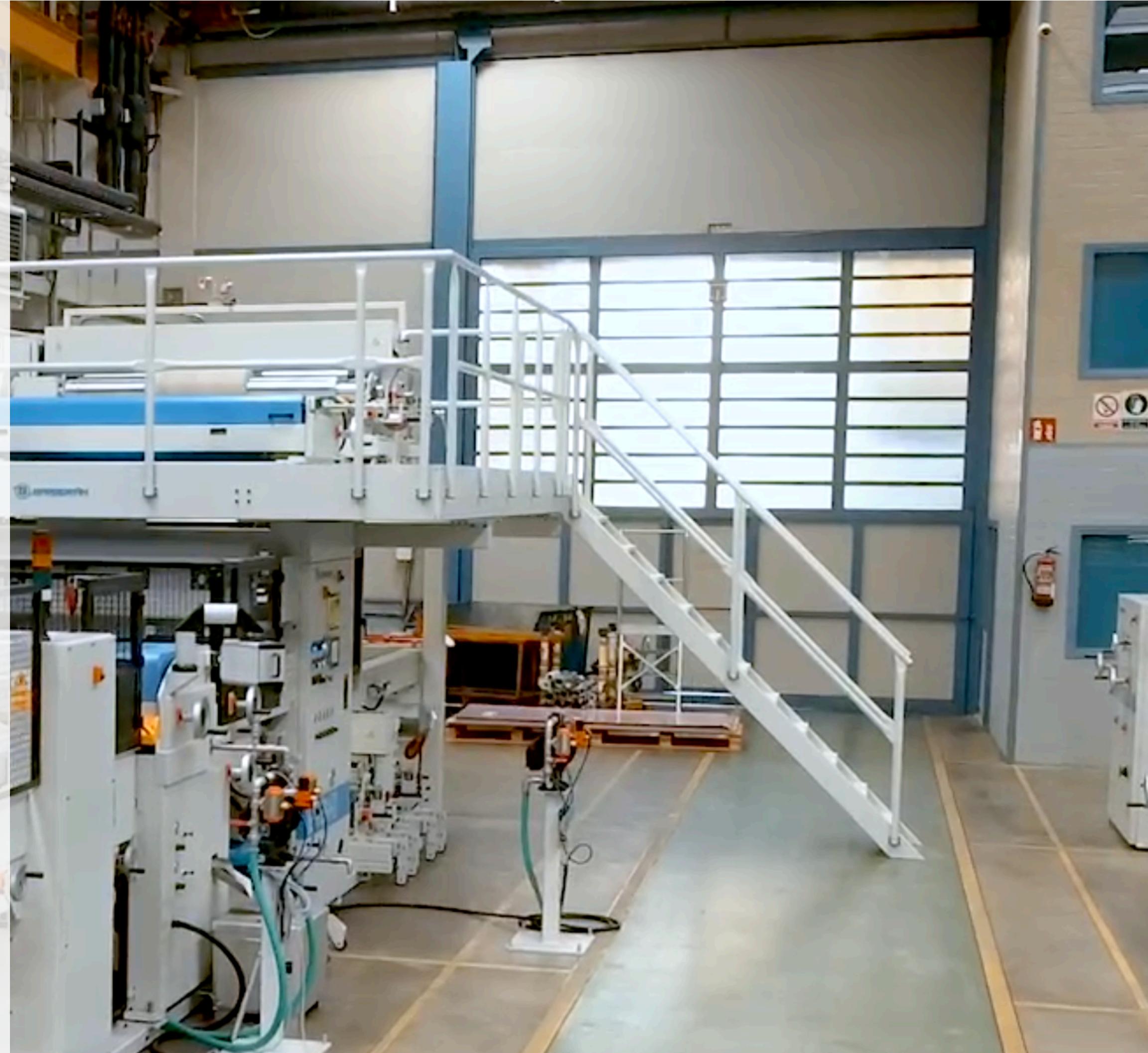


Use of mushroom packaging within the industrial metallurgic sector

MDDI · 2023 · DESIGN & BIOTECH · MARIA SEVA



What is the issue with regular packaging?



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Each Spaniard consumed 61.86 kilograms of corrugated cardboard in 2019, which is 2.55 kilograms per person more than the previous year, according to the Spanish Association of Manufacturers of Corrugated Cardboard Containers and Packaging (AFCO), which highlights that the data place Spain as the "third European power" in cardboard manufacturing.



<https://www.europapress.es/sociedad/medio-ambiente-00647/noticia-consumo-medio-carton-onulado-habitante-espana-2019-alcanzo-6186-kg-afco-20200520163337.html>



**What is
mushroom
packaging?**

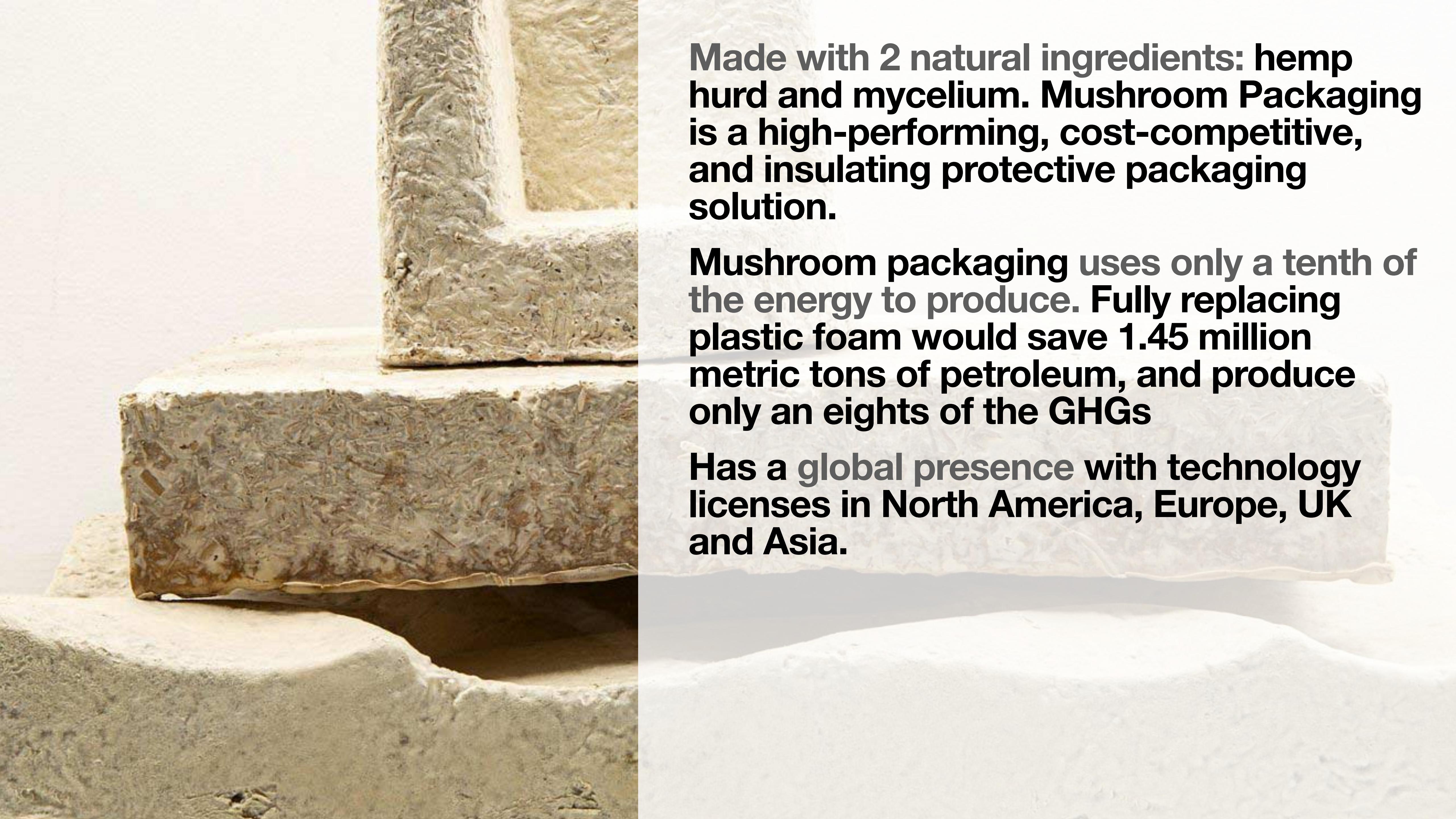


Made with 2 natural ingredients: hemp hurd and mycelium. Mushroom Packaging is a high-performing, cost-competitive, and insulating protective packaging solution.



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Mushroom packaging uses only a tenth of the energy to produce. Fully replacing plastic foam would save 1.45 million metric tons of petroleum, and produce only an eights of the GHGs



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Has a global presence with technology licenses in North America, Europe, UK and Asia.

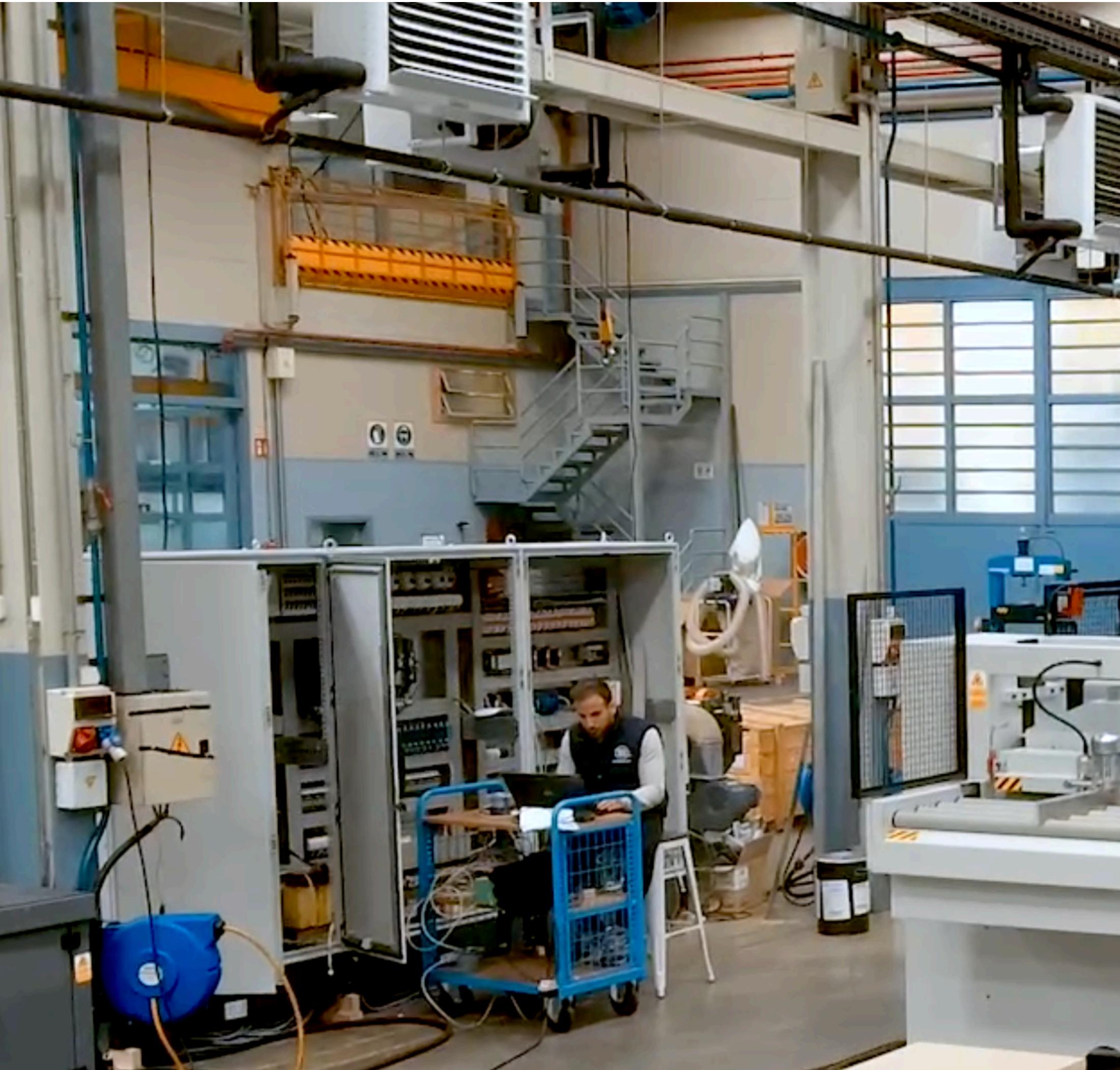


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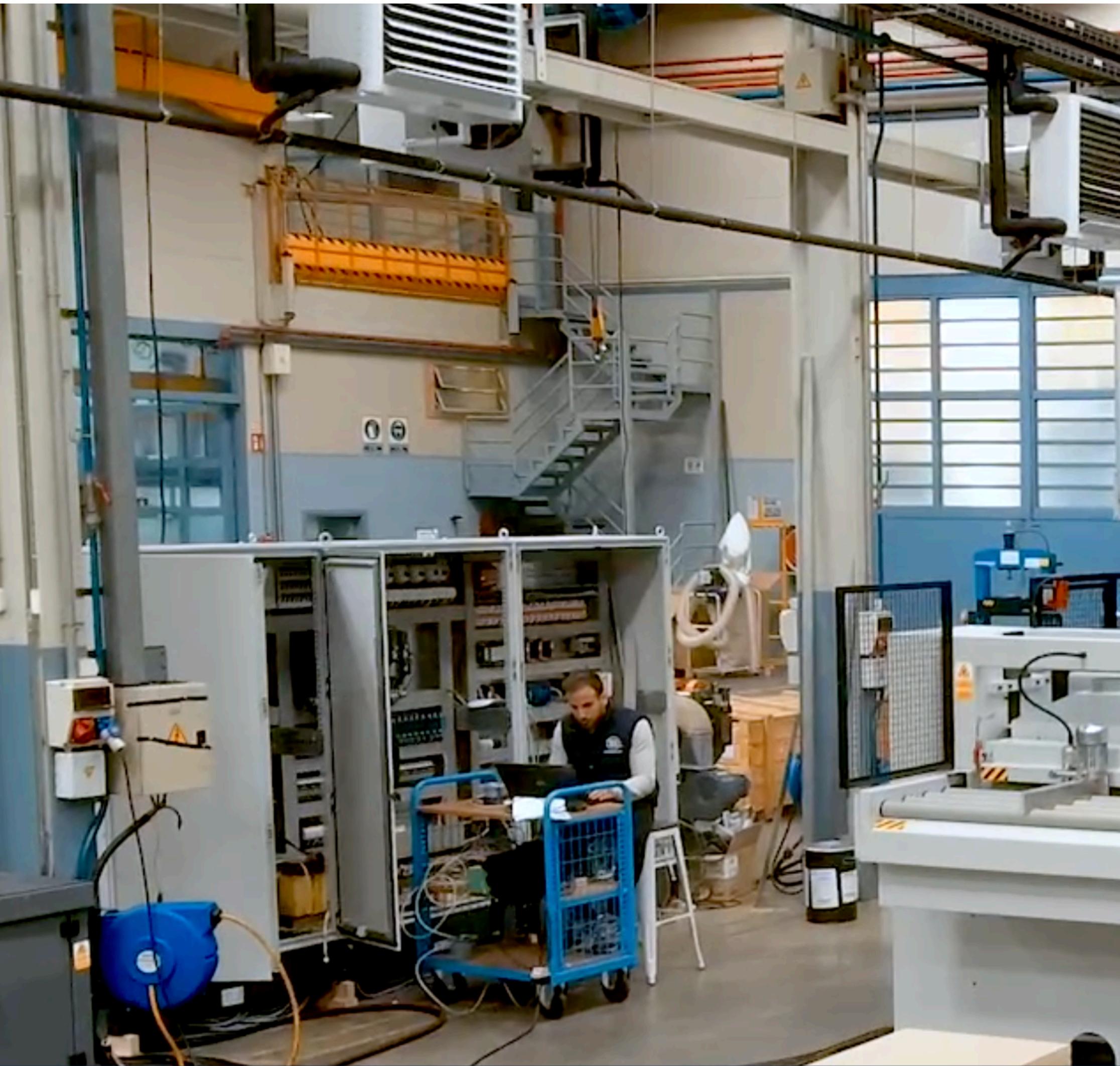
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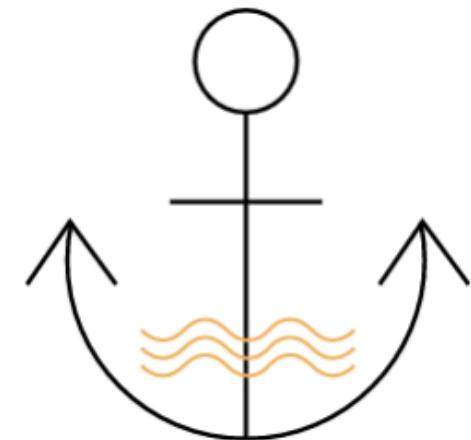
Mycelium is grown on waste from agriculture and forestry. It is converted into packaging. The packaging is compostable. Compost from mushroom packaging can be used to grow new plants.



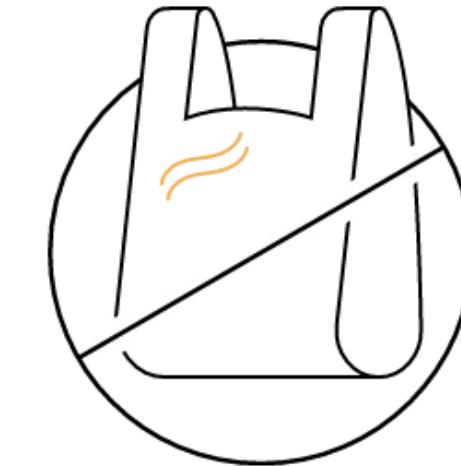
**Why use
mushroom
packaging in
industrial
sector?**



- Specific designed protection against all components
- Less stock due to standardisation
- Less storage usage
- Reduced carbon footprint
- Reduced packaging time



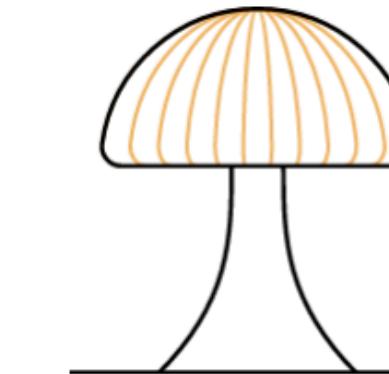
Ocean Safe



Plastic Free



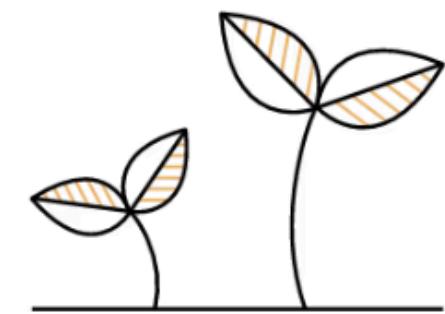
Chemical Free



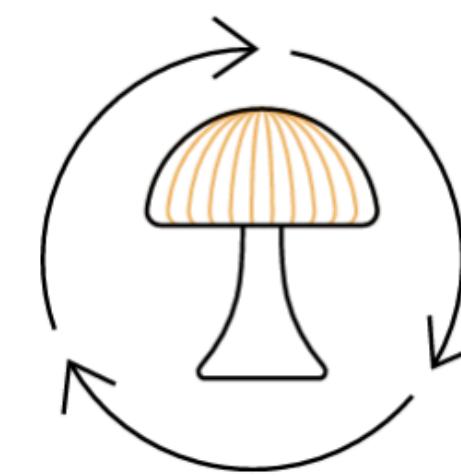
Natural



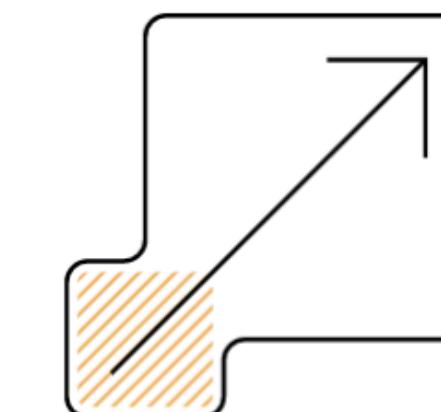
Flame Resistant



Grown



Home Compostable



Scalable

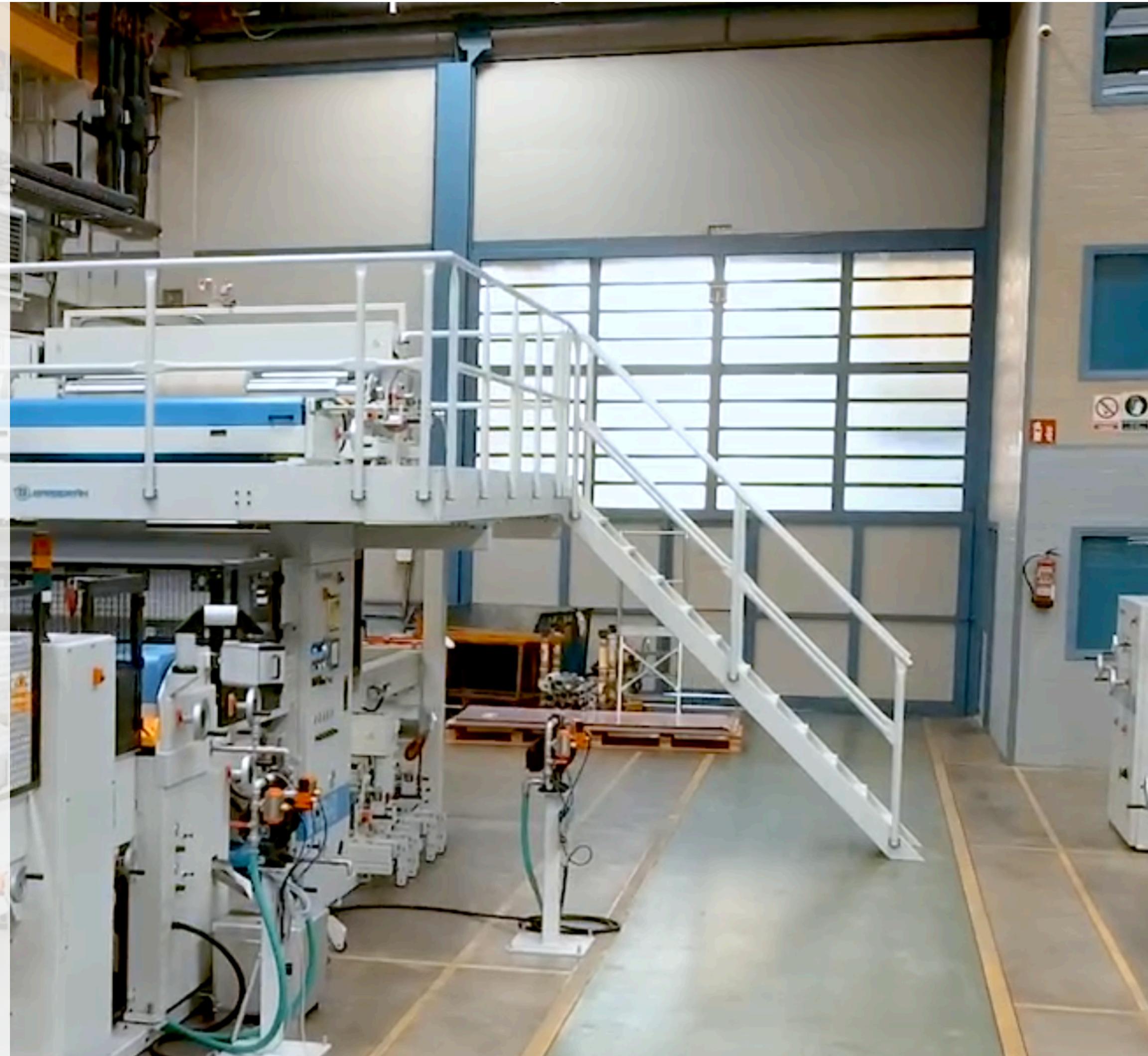


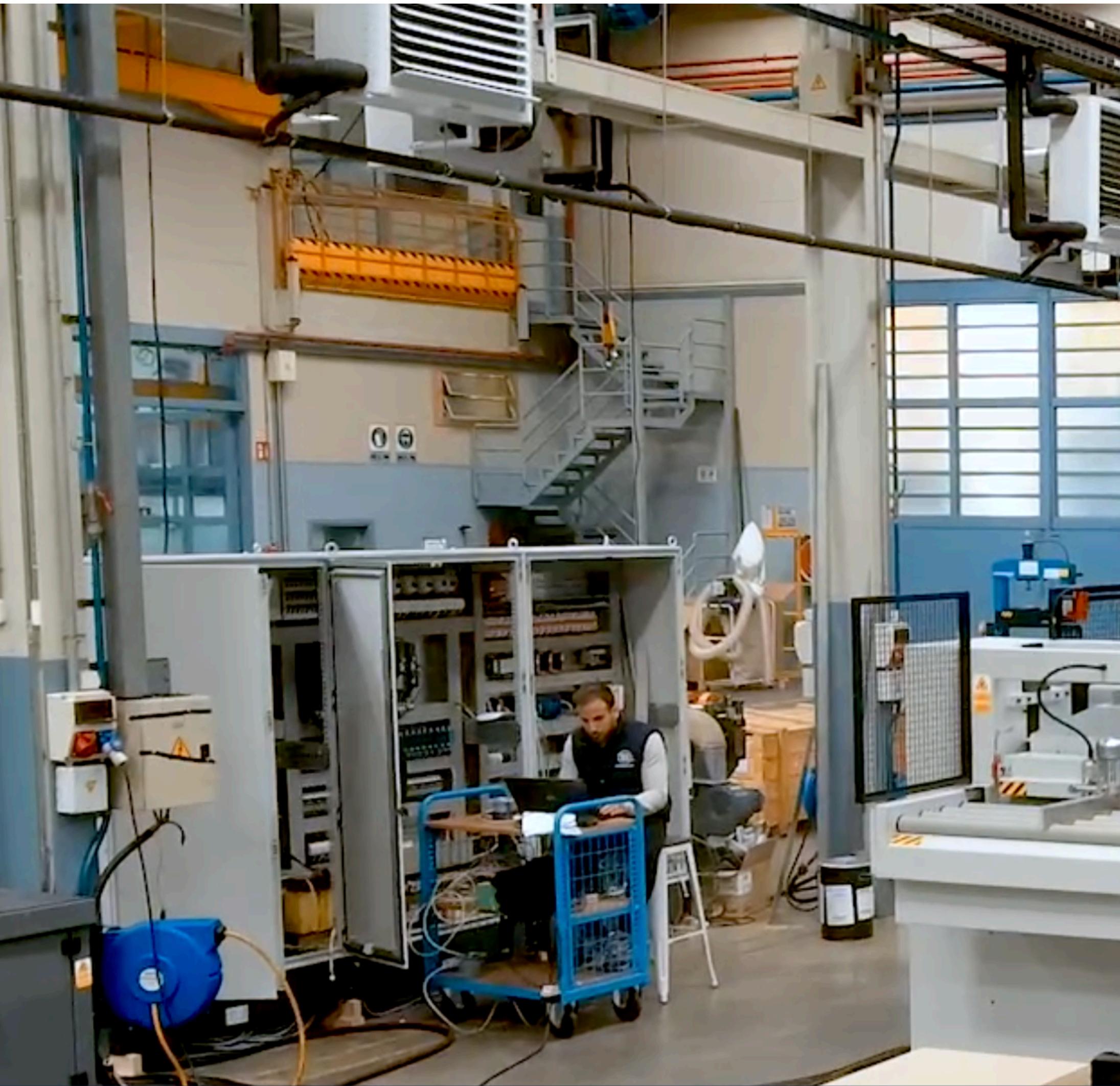
Water Resistant



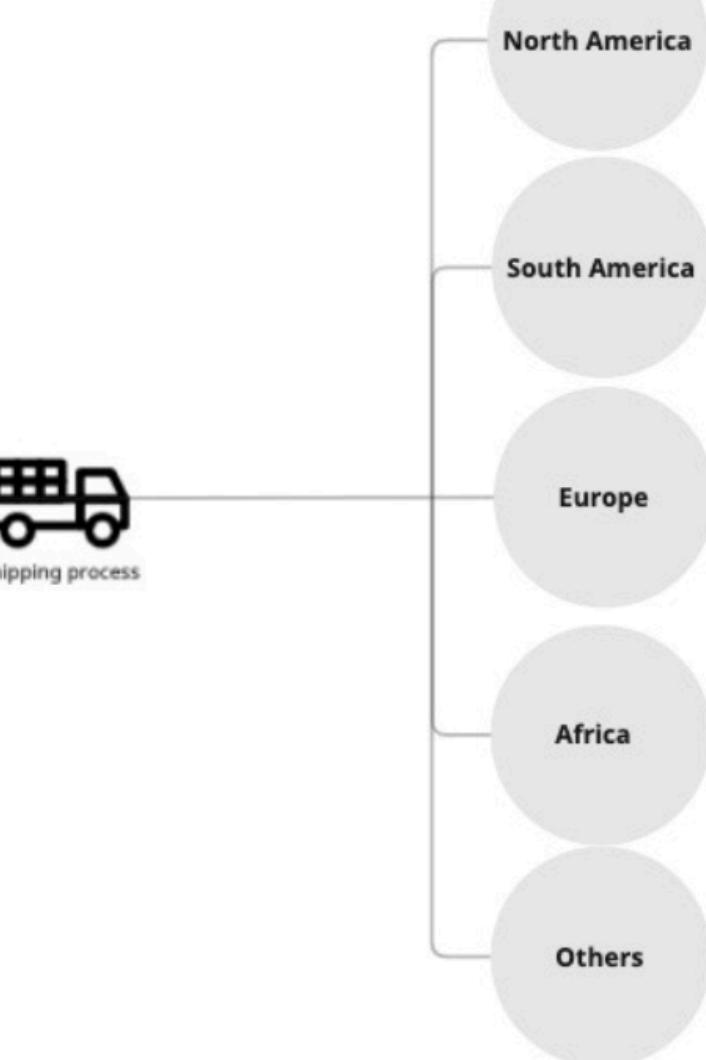
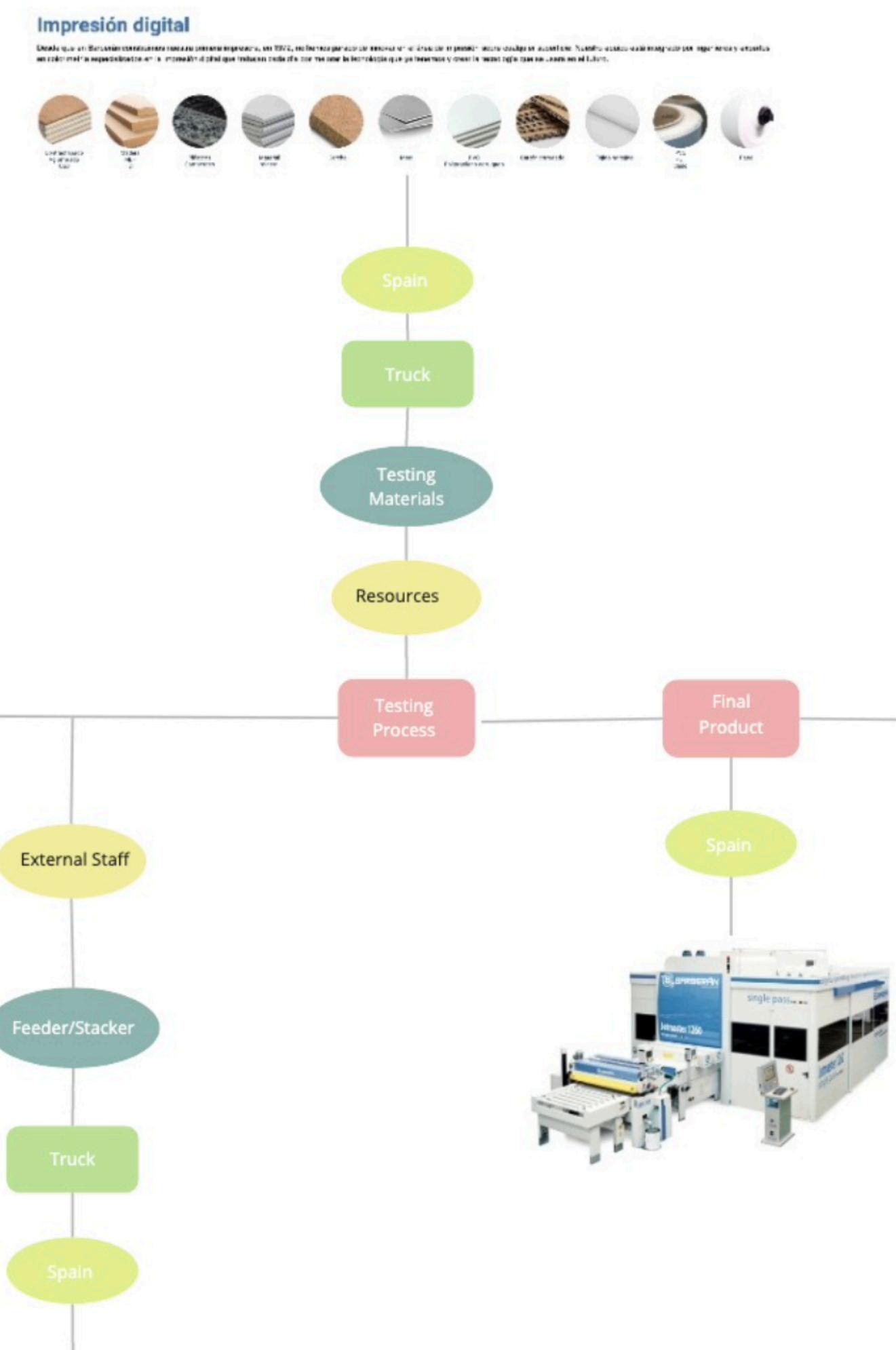
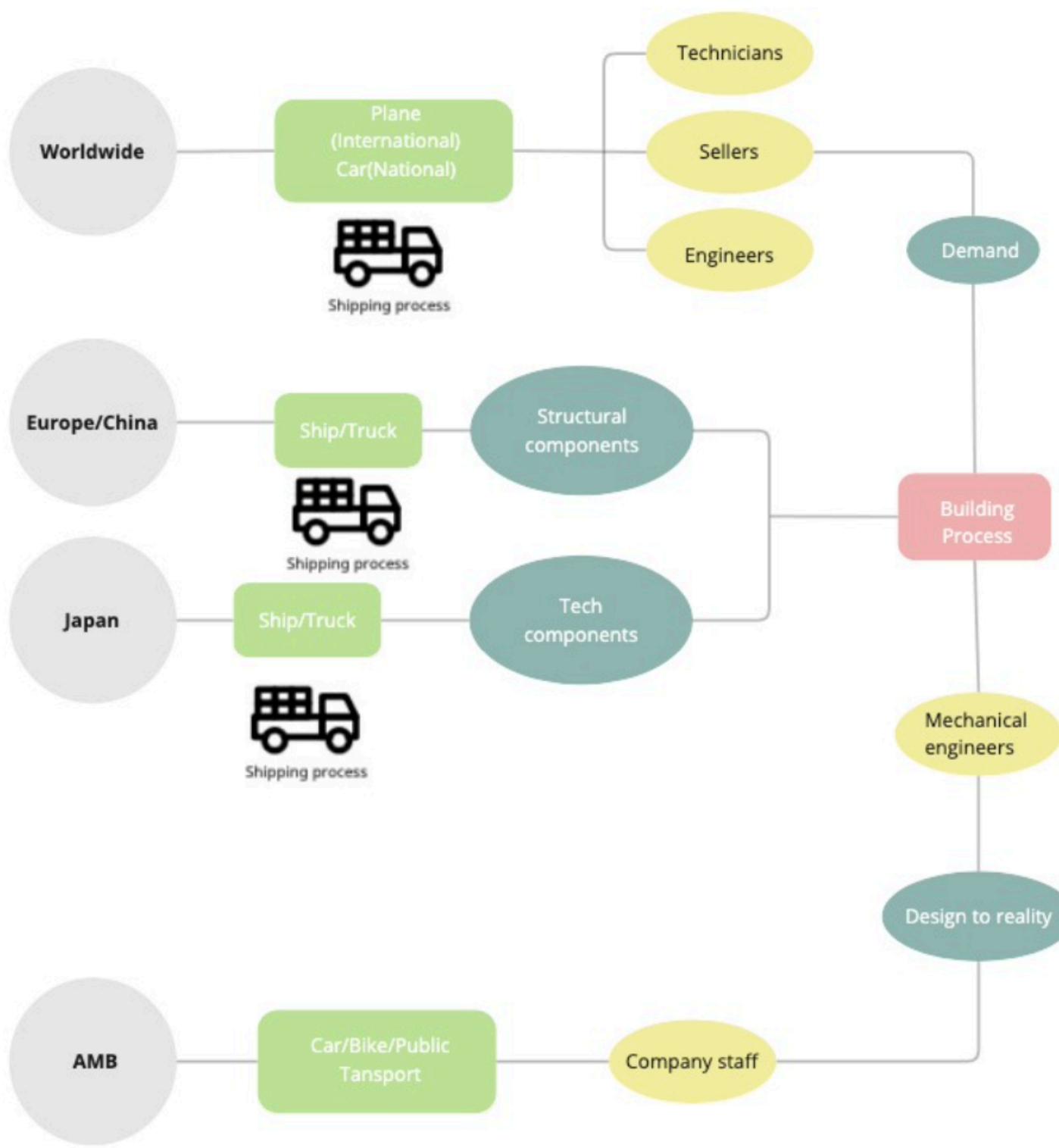
Custom Design

Focused target audience linking it to MDDI final project

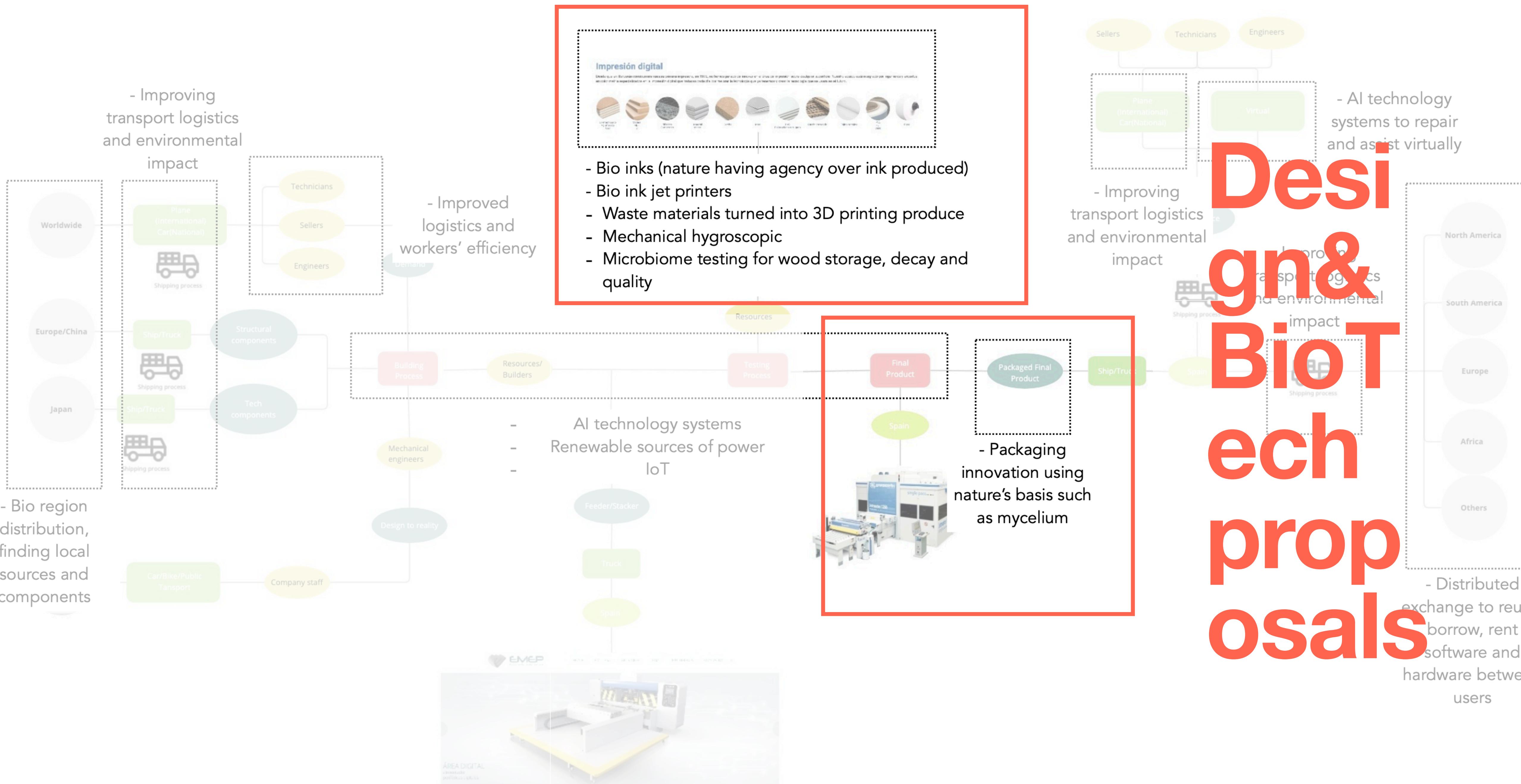




**Global analysis of
companies' areas
for improvements**



Design & BioTech proposals



Mid-Long term proposal



- **Design and the creation of specific custom made cases for machinery** as they tend to have similar dimensions and geometries.
- **Focus on bio ink development using same principles** such as mushrooms and derivates to produce sustainable ink
- **Spreading the message** to start creating a movement/trend to increase the power of the product. The more the merrier.
- **Helping the planet** as this encourages companies and humans to find alternatives.



Thank you

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