

STANDY

Sustainable
Showcasing
Concept

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Concept description

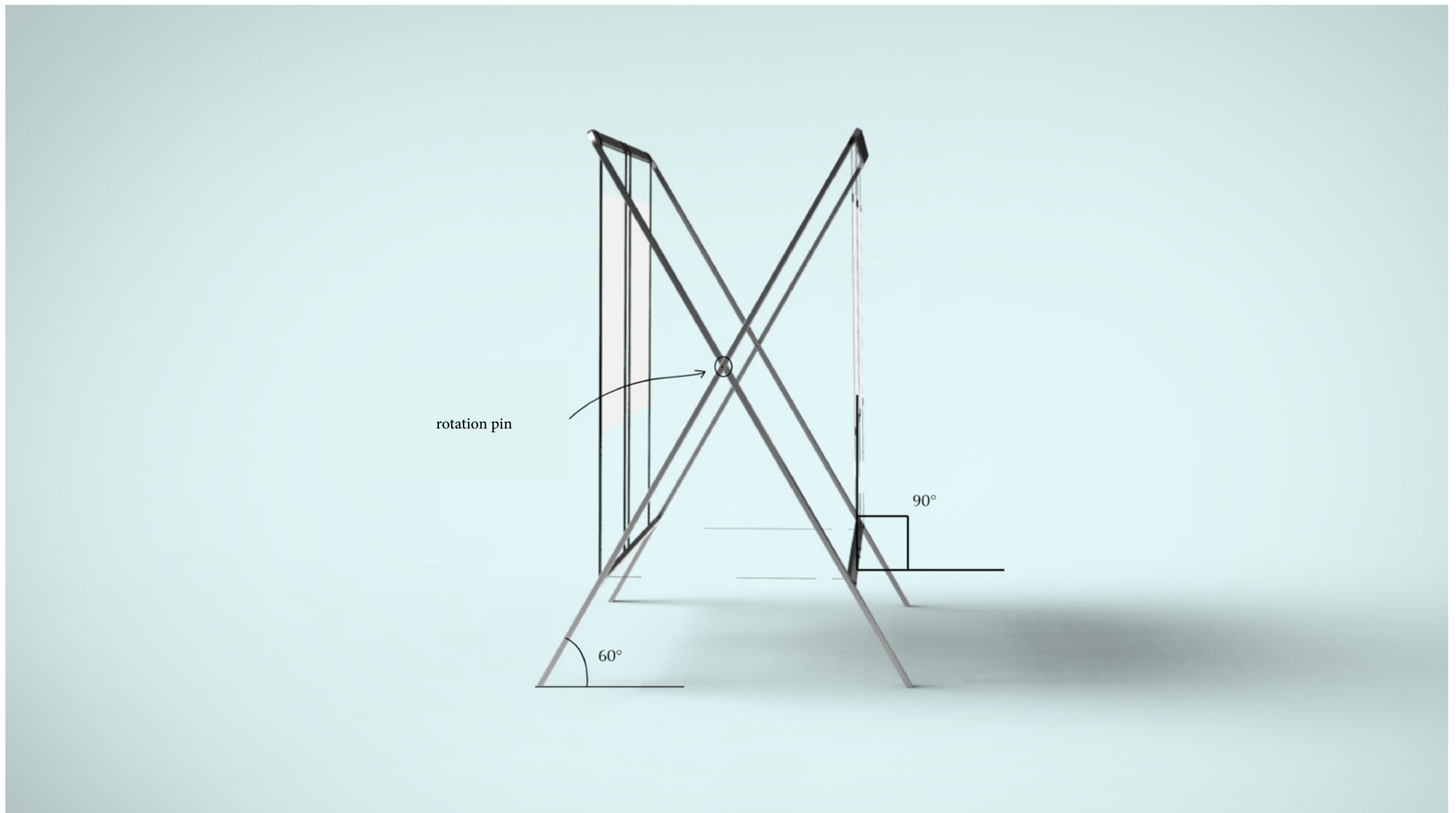
The idea of this project is based on the strategy of dematerialization and was conceived through the study of the structure of a collapsible drying rack.

The item is completely made of recycled aluminum, allowing us to significantly reduce its weight and volume, simplifying the transportation process. To support the boards we used magnets (as the ones used to lock the curtains) that were attached to the seatbelts retrieved from cars' disposal process. The seatbelts have then been given a new purpose.





The idea of this project is based on the strategy of dematerialization and was conceived through the study of the structure of a collapsible drying rack. The main goal is to open and close the structure quickly. Moreover, less volume and weight will simplify the transportation.



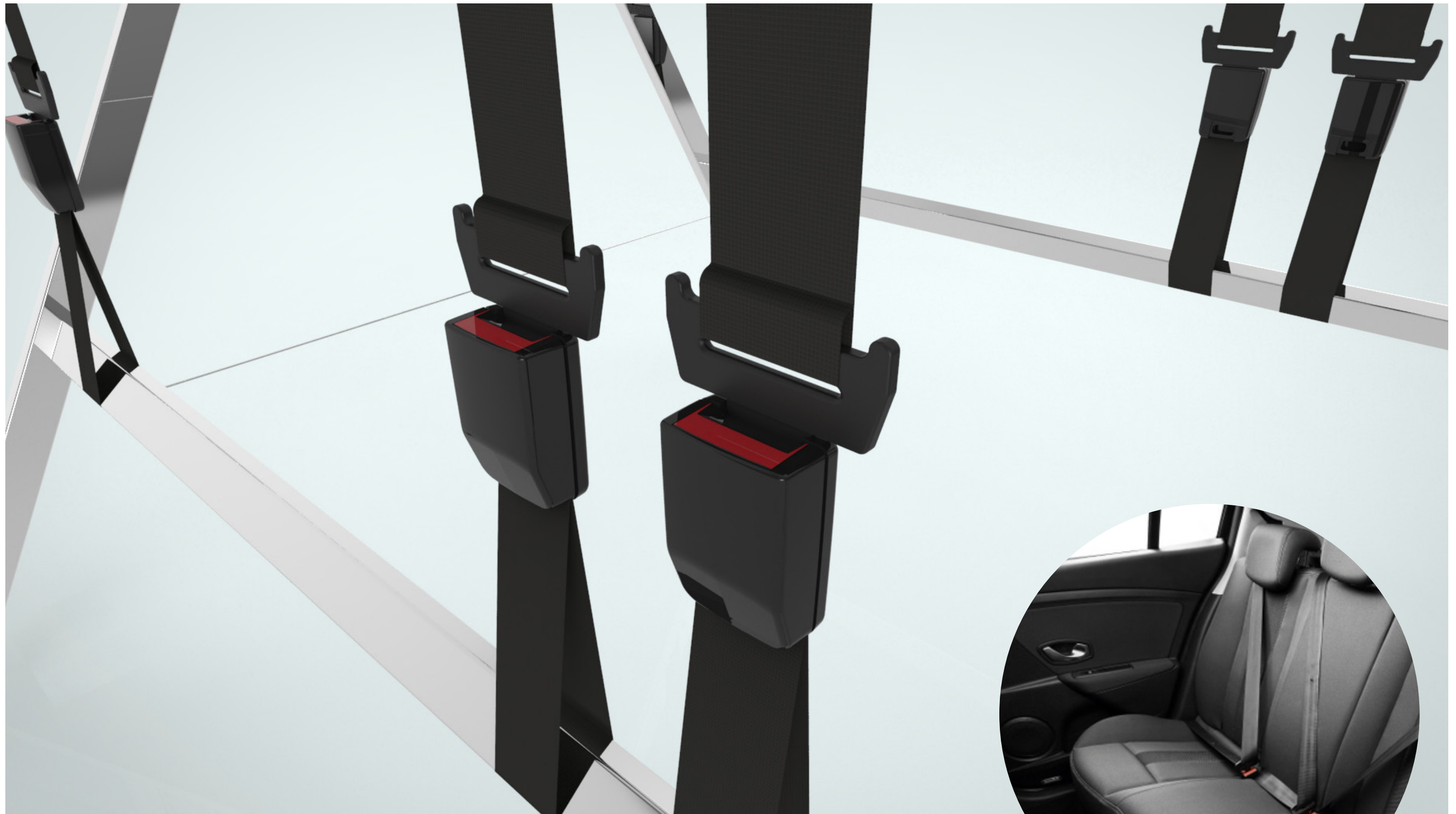
The structure is 60-degree tilt in relation to the floor, that allows the observer to have a better vision of the paper above.



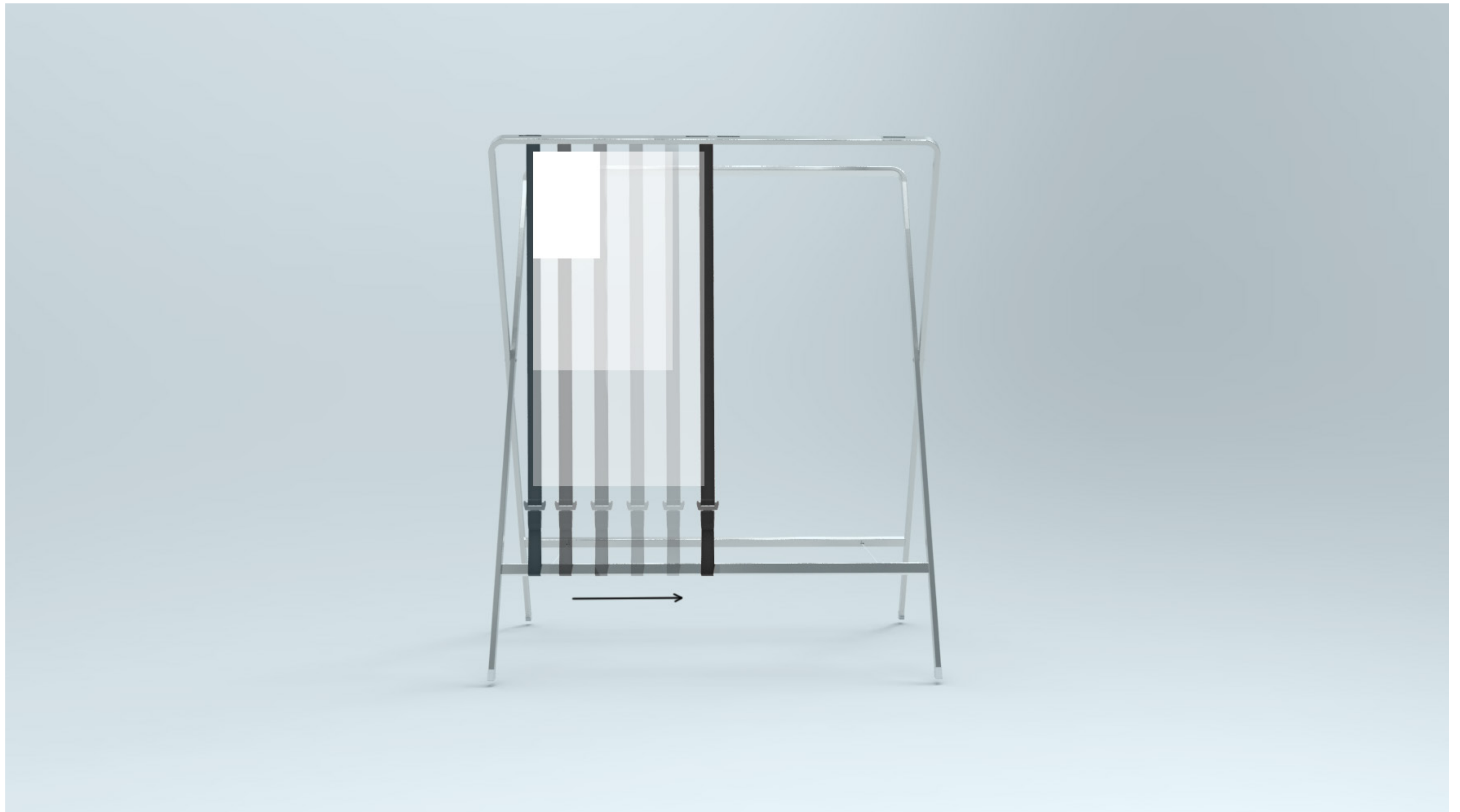
Two parts pivot on two pins in the middle of the structure. The opened structure functions thanks to two stretched ropes at the base of the structure.



Finally, the papers are attached on the seat-belts thanks to simple circular magnets.



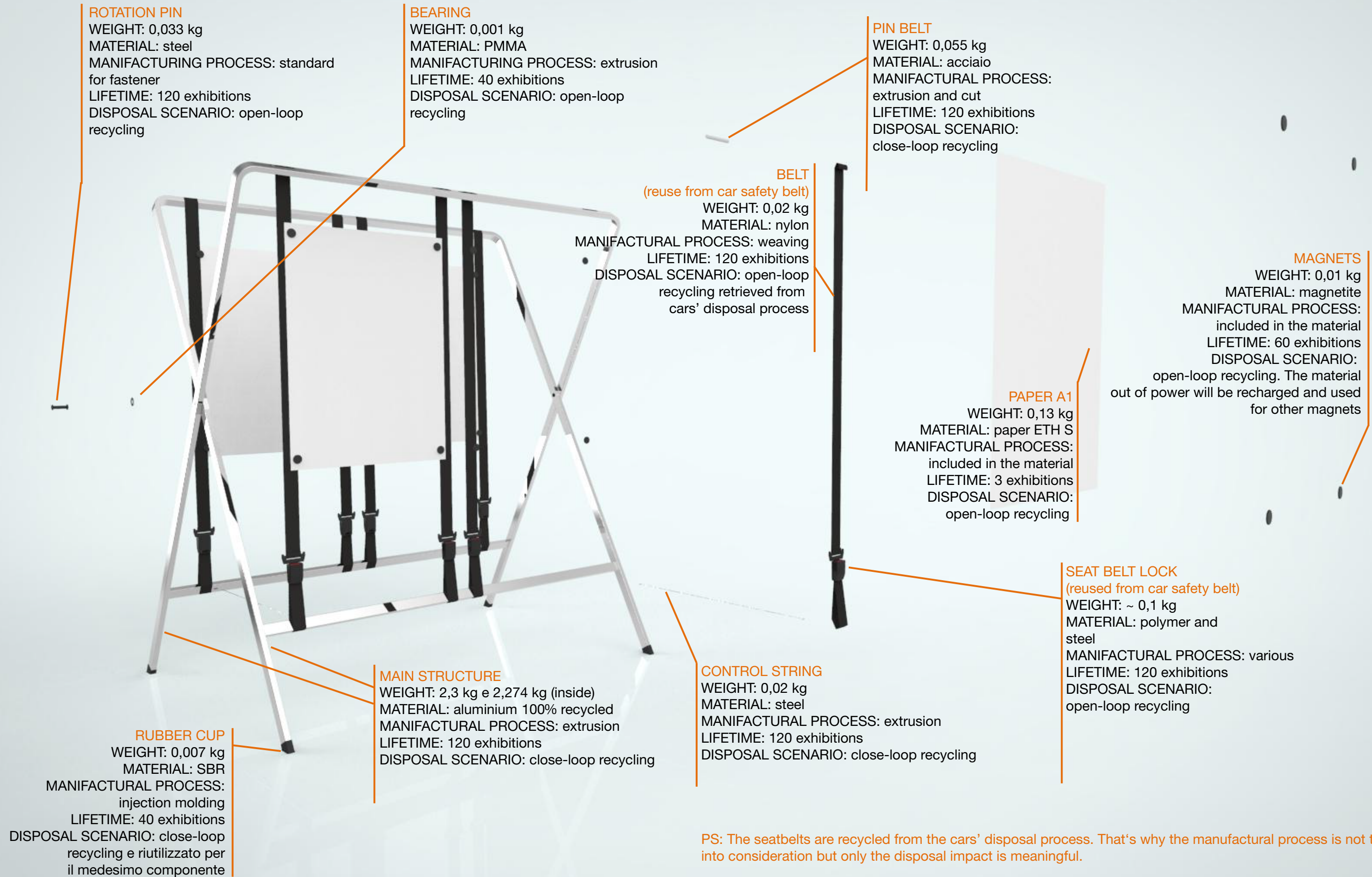
The seatbelts are recycled from the cars' disposal process. The seat belt lock has also been used in the showcasing module to make the assembly easier for the operator.



The belt can be switched along the bar depending on the paper dimension. Hence in this showcasing module different paper formats can be exposed.

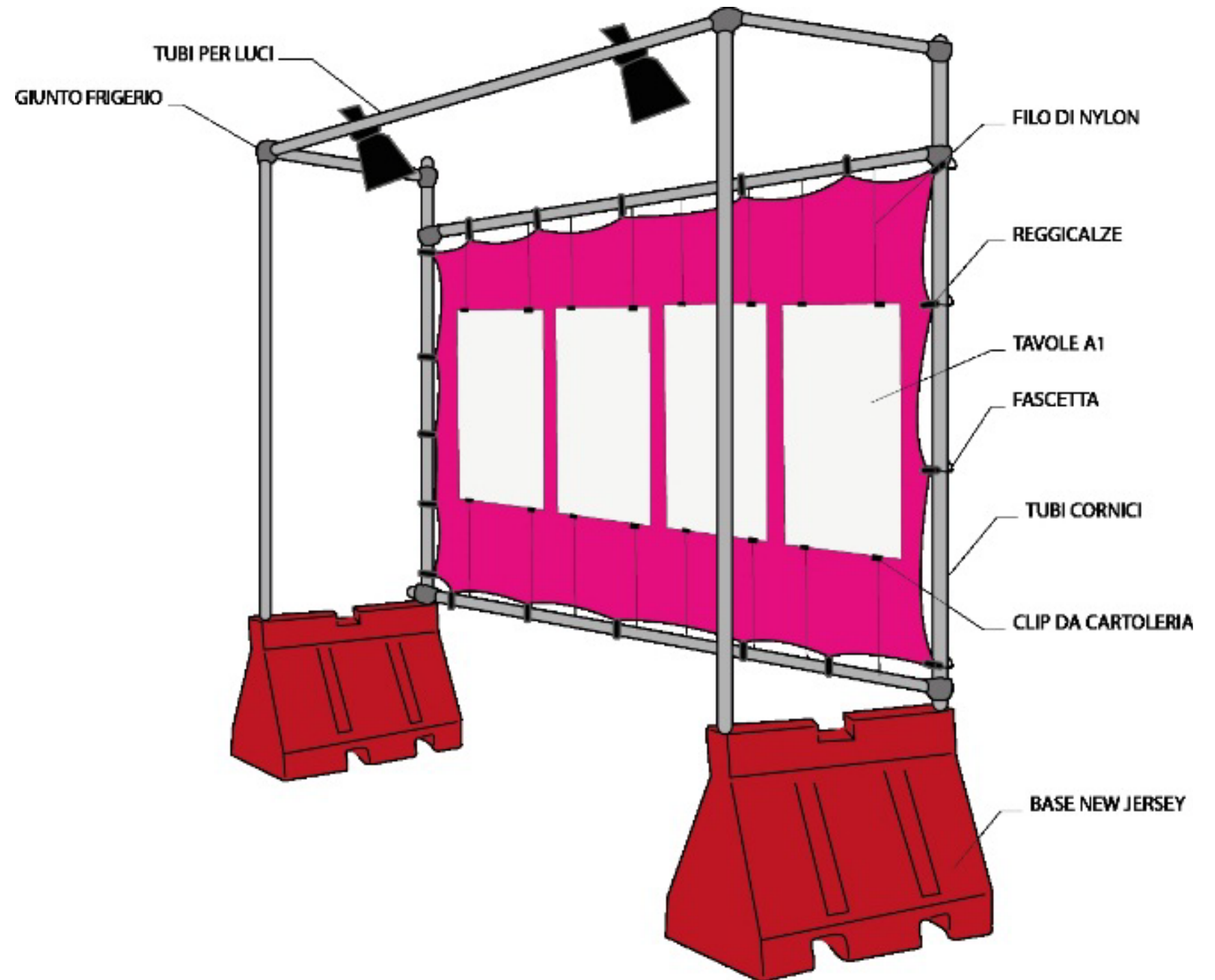


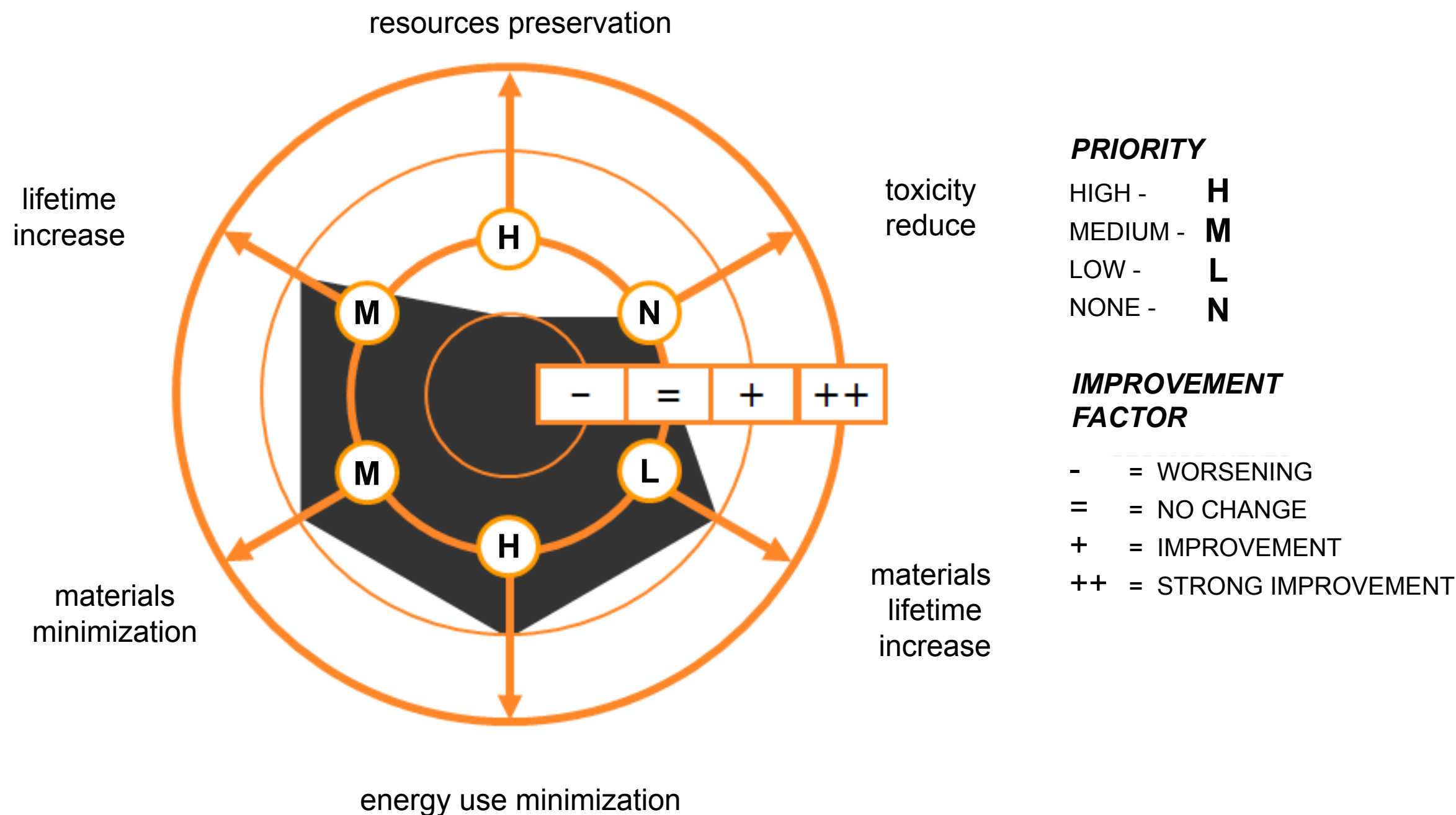
Lifecycle exploded view



Comparing two systems

The project was born from the design of the exhibition module "New Jersey", currently used at the Polytechnic of Milan to expose 4 tables A1. The structure made of tubular steel is supported by two New Jersey bases. The main component of the exhibition module is the Lycra cloth on which the 4 boards are placed. To improve the New Jersey exhibitor we did a LCA analysis and we found the point to improve for the new one.





| | lifetime increase | materials minimization | energy use minimization | materials lifetime increase | toxicity reduce | resources preservation |
|----------|-------------------|------------------------|-------------------------|-----------------------------|-----------------|------------------------|
| priority | P: MEDIUM | P: MEDIUM | P: HIGH | P: LOW | P: NONE | P: HIGH |
| f.n.m | + | + | + | + | = | - |

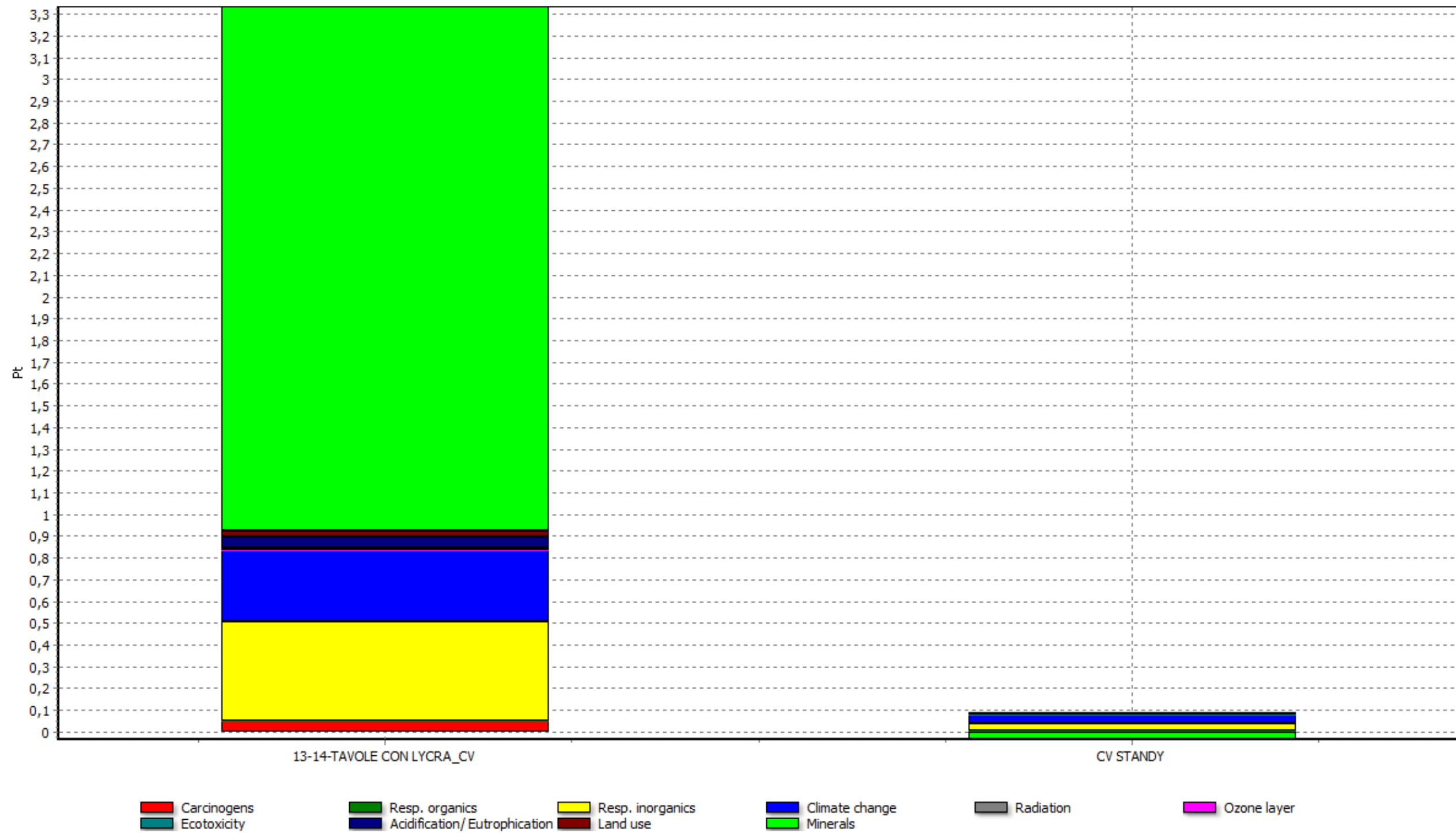


SCHEDA VALUT.
IPSA

TAVOLE DI
ECO-IDEE

CHECKLIST

Calculating the total impact



In comparison to the old showcasing system the new concept reduced the impact on the environment by the

98 %