

Luxor - Bathroom furniture by AML

Description

The objective of the project was to analyze the sustainability profile of a specific bathroom furniture with the SInnDesign DfS checklists, to identify improvement opportunities. The results of the application of the tool will be the basis for the development of a new and more sustainable product.



Results

Design for Sustainability (DfS) checklists

The checklists were applied by the design team to the reference product from the company.

From the analysis of the results, the following were identified as hot spots in the life cycle of the product: input materials, transport and packaging and end-of life of the product.

Input materials: this aspect should be improved, not only in terms of quantity, but also by selecting materials with lower impact, focusing on the type of material and the required transformation processes. Therefore, the main goal for the new product will be to use renewable, local materials and sustainable production methods, in order to reduce the environmental and social impact of the product and also the production costs.

Transport and packaging: the product is distributed to retailers and from retailers to the end-user. The volume of the packaging can be improved through a new design of the product. Furthermore, the distribution system company-retailer-user could be improved.

End-of-life: The reference product was developed with high standards in terms of materials quality and product life time. However the end of life of the product was not considered in the design. In the new product to be developed, a design for reuse and recycling strategy is seen as a promising approach.

The results of the application of the tool will be used by the DfS team to support a brainstorming session in which the participants will find new and more sustainable solutions for the new product.

Company information:

Founded in 1996, in Braga, in the north of Portugal, AML began its activity as a stockist and distributor. In line with its dynamic spirit and global market vision, in 2012 AML acquired shares in two factories, one national and one international. Consequently, AML consolidated a position of excellence, combining sales and distribution knowledge with know-how of partners in the production of bathroom furniture, thus resulting in a higher competitiveness, innovative capacity and development.
www.aml-sanitarios.com



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The SInnDesign project is conducted by a consortium from Portugal, Spain, Austria and Denmark.

