

SInnDesign

# Show case

## Cradle Sweet Greens

### Description

This cradle was designed based on a series of MICUNA models. Though the cradle has large dimensions, it meets regulatory standards. The product's main advantage lies in its functional transformability, as the cradle can become a child's bed. It can therefore be used from an age of 2-3 months until the child reaches an age of 10 years old.

The project has been developed according to the SInnDesign guidelines to create a more sustainable, environmentally respectful, and user-friendly design.



### Results

The most useful tool in developing the design was the SInnDesign checklist, which identified the degrees of improvement in every aspect regarding sustainable design. The main results were as follows:

#### Principle @: Develop new Concepts / Principle 6: Increase product durability

Sweet Greens is an evolutionary cradle, convertible from a crib to a junior size bed. It can also be made into other furniture to provide new functions, such as a sofa or a headboard. Consumer needs are met in a traditional and material-intensive way (product oriented) by the product. The product evolves as the user evolves.

#### Principle 1: Improve the sustainability performance of input materials/ Principle 2: Reduce the use of materials

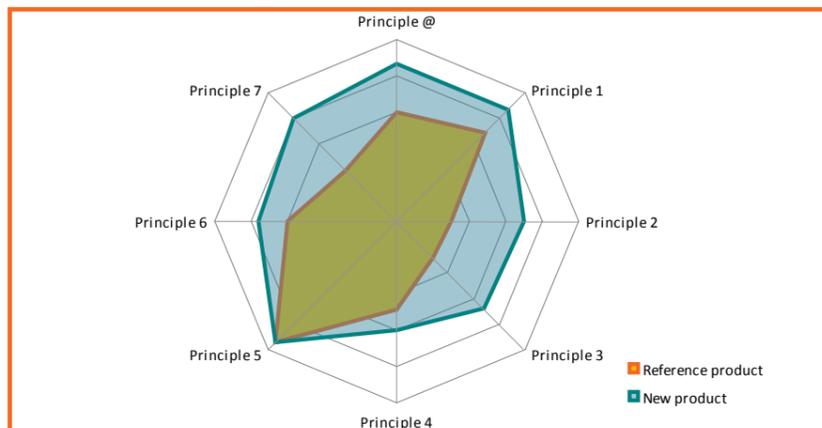
Detailed selection of materials and their chain of custody. Product format and size have been optimized.

#### Principle 4: Improve the sustainability performance of packaging and logistics

Optimization of cradle packaging and transport. The product is easy to assemble and can therefore be marketed in disassembled form.

#### Principle 7: Optimize the end-of-life system

The product is made entirely of wood, except for the connecting elements, which have been optimized and are fully accessible, thus facilitating disassembly when required.



#### Company and School information:

VET student: Carlos González Miret

This product was developed as the Final Project of the VET Higher Education Advanced Level on Wood and Furniture with the collaboration of the MICUNA company.

The Integrated Public Vocational Training Centre of Catarroja is a recently established centre that provides includes vocational training in three areas: Regulated, Occupational, and Continuous training. It has 400, 900, and 50 students respectively per course, with 40 permanent and 40 temporary teachers, mainly in the area of Occupational training.

Teaching focuses principally on newly created industrial skills in fields such as renewable energies and energy efficiency, as well as in machining and automation production in important traditional industries of the Valencia Region, such as the furniture and metal sectors.



MICUNA is a company that manufactures children's furniture such as cots, cribs, wardrobes, and chests of drawers. MICUNA is a pioneer in wood crib manufacture.

The company's development over time has led it to expand its offer to other products, such as changers with or without a bath, wardrobes, and high chairs, in addition to creating evolutionary cradles, convertible from cribs to junior size beds.

Their products are sold through childcare stores, as well as through some franchises such as El Corte Ingles, Hipercor, Toys R 'Us, and Zara Home, either under the brand MICUNA or as a white label brand.



Partner responsible for preparing this case study: AICE/ITC, Spain

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