

SUSTAINABILITY IN ENTERPRISES

CASESTUDES

Collected and edided by Prof. Frank Sander © 2011

A project co-funded by the European Union and the German Federal Ministry for Economic Cooperation and Development



A project implemented by:



- Sustainability becomes visible in Milan

At least the chair manufacturers presented interesting achievements:

Reduction of material consumption

- simple structures
- reduction of diameters

Easy material separation:

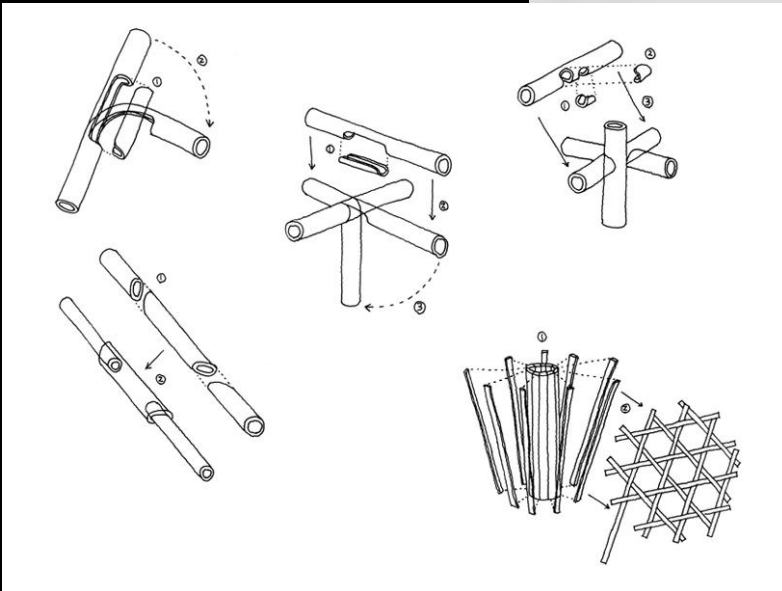
- Use of very few materials
- Mechanical joints



Chair "new thonet" by TON



MARKET SURVEY - CHAIRS



Collection "Bamboo Steel" by Nendo for Yil



Chair "Baguette" by the Bourroulec Brothers for Magis



Chair "Dakar" by Marco Dessi for Skitch



- Easy disassembling



Chair "Lancaster" by Michael Young in ash and aluminum



Chair "Zipfred" by Victor Matic for N.H. Moormann





Chair "Osso" by the Bourroulec Brothers for Mattiazi

MARKET SURVEY - CHAIRS

- Just wood



Chair "Osso" by the Bourroulec Brothers for Mattiazi

MARKET SURVEY - CHAIRS

- Just wood



Chair "Osso" by the Bourroulec Brothers for Mattiazi

- Only two materials



Chair "Chassis" by Dietz for Wilkhahn



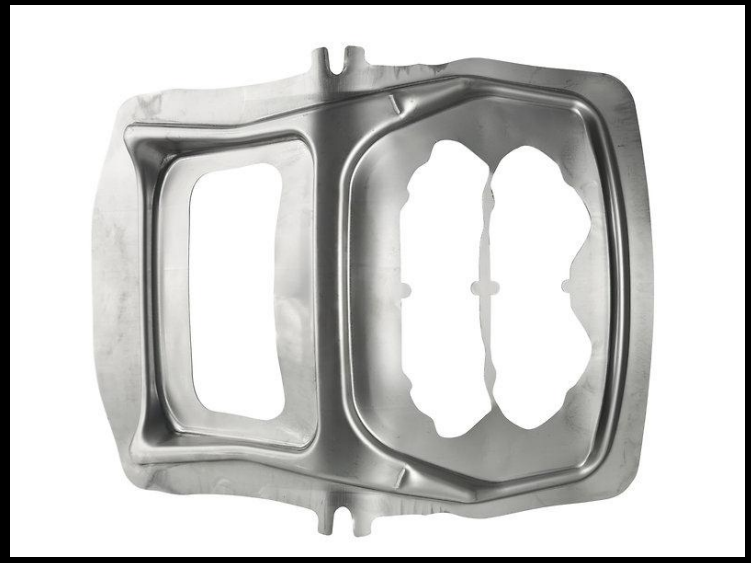
Automotive design meets chair design



Multi-purpose chair Chassis, designed by Stefan Diez, is a worldwide sensation. For the first time, space-frame technology has been used in a chair. **The robust seat and back frame and connecting elements on the four legs are deep drawn from sheet metal in one and joined by welding robots to form a complete frame.** The materials and technology combine comfort, strength and durability with the precision and elegance of a fascinating design. **The economical use of materials also includes sustainable recycling.**

An ergonomically shaped, unitary seat and back polypropylene membrane is fixed to the frame. The detachable, finely grained plastic shell is easy to maintain and durable. Weighing less than five and a half kilos, the comfortable chair is easy to handle.

Automotive design meets chair design



The metal components of Chassis:
2 pieces of stamped and pressed metal sheets form the seating frame + metal joints for the legs

KD-Solutions



Chair "Big" by the Bourroulec Brothers for Magis

- Shell and frame



Chair Vad by Luca Nichetto for Casamania

SUSTAINABILITY IN ENTERPRISES. VALCUCINE Invitrum Kitchen



From **Valcucine**, video that illustrates to what extent their Invitrum kitchen is sustainably built (surprising!). Valcucine has been nominated to be part of the **ADI Index 2010**, being selected means that products have to live up to high standards for design elements such as ergonomics, environment, materials, innovation and technologies.

Video: Invitrum Kitchen by Valcucine by [Harry](#) / December 13, 2010
<http://mocoloco.com/fresh2/2010/12/13/invitrum-kitchen-by-valcucine.php#>

