



HERITAGE SITES AND ENVIRONMENTAL PROTECTION

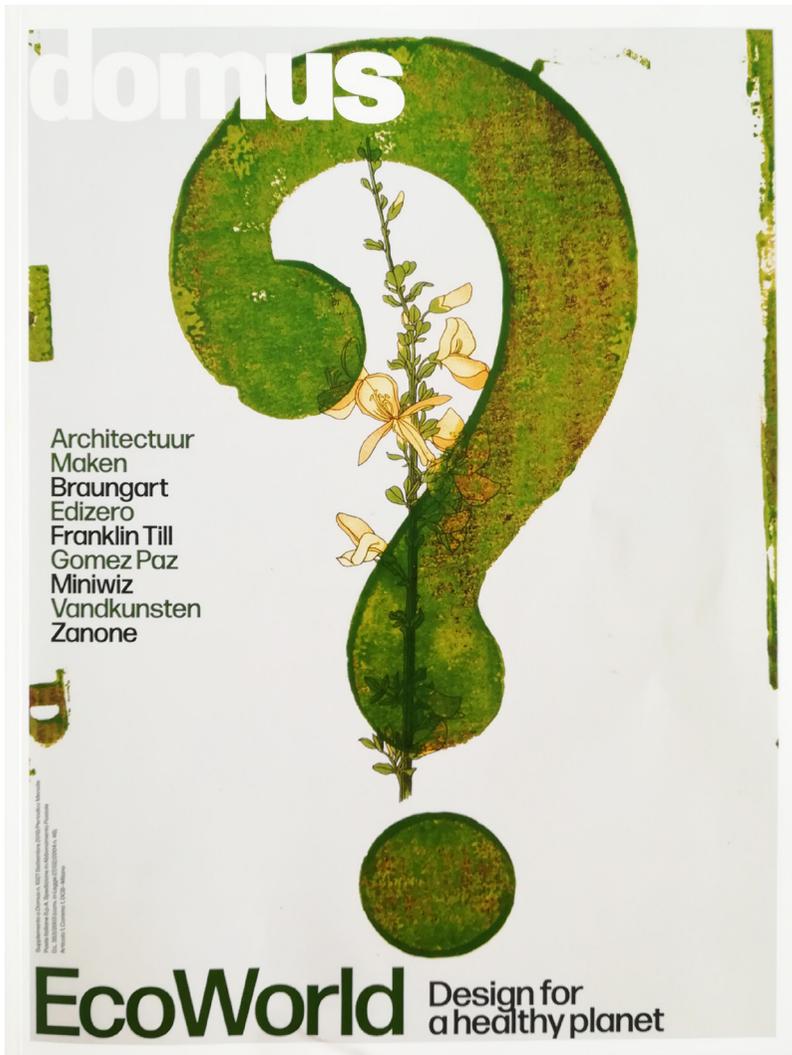


Erasmus+

HERITAGE SITES AND ENVIRONMENTAL PROTECTION

W2.4

7 case studies from Ecoworld



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CASE STUDY 1

Huangshan Mountain Village

MAD Architects

Year 2009 - 2017
Architecture Design

Master plan for Lake Taiping

Vision:

Respect for landscape, create an emotional connection between people and nature.

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Future city influenced by nature and shaped by human emotion.

Housing towers were conceived in full respect for the landscape, wishing to establish an emotive connection between people and nature.

The buildings vary in height, wavy balconies surrounding each floor: Mimics of the mountain topography and terraced tea fields.

PROJECT CONSULTATION

<http://www.i-mad.com/work/huangshan-mountain-village/?cid=4>

CASE STUDY 2

London Design Fair

Future Plastics

Year 2008
Design

Plastic was chosen by the London Design Fair as the material of the year 2018.

Why?

The focus of the initiative was to elect a material distinguished by its excellence as to explore its possibilities.

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Why?

The focus of the initiative was to elect a material distinguished by its excellence as to explore its possibilities.

Awareness that plastic pollutes the ocean, our soil and that it infiltrates with chemical substances in the packaging of our food.

Creative recycling initiatives that reduce or eliminate the environmental impact of plastic.

Many designers are using plastic as a study material to find new ways to use it.

- Weez & Merl Design from Brighton, specialized in low-density polyethylene.
- Kodai Iwamoto Design from Tokyo, apply glass-blowing techniques to PVC pipes.

PROJECT CONSULTATION

www.londondesignfestival.com/news/material-year-plastic-beyond-chipper

CASE STUDY 3

Reduction as the engine of creativity

Erez Nevi Pana

Year 2016

Design

CASE STUDY 3

Reduction as the engine of creativity

Erez Nevi Pana

Year 2016

Design

Development of projects in ethical harmony with his vegan awareness and his search for a new way of making products.

Experimentation with tools made from carpenters' scraps that he tethered to the bottom of the Dead Sea, where they slowly covered by salt crystals.

He makes objects from clay, vegan paper, and fabrics created from silk remaining in the cocoon after the moth has left it - in a word, delicate operations led by a vegan worldview.

PROJECT CONSULTATION

<https://ereznevipana.com/>

CASE STUDY 4

Design at the service of citizens

Giulio Iacchetti

Year 2018

Design & Urbanism

CASE STUDY 4

Design at the service of citizens

Giulio Iacchetti

Year 2018

Design & Urbanism

Rubbish bins designed for the City of Mantua in Italy.

Aim:

To allow citizens to dispose of their waste without limitations in hours of the day or days of the week.

The bins avoid the accumulation of garbage bags in the street.

They are activated with a magnetic pass that registers each time the hatch is opened:

A smart system that informs the sanitation service of Mantova Ambiente when they are nearing maximum capacity.

PROJECT CONSULTATION

<http://www.giulioiacchetti.com/?p=3900&lang=it>

CASE STUDY 5

SOS fabrics

Really - Circular by Design

Year 2013
Material Design

CASE STUDY 5

SOS fabrics

Really - Circular by Design

Year 2013
Material Design

The firm upcycles end-of-life fabrics to create new materials.

These materials are then used to create furnishing items with a circular-economy approach that end up in the showrooms of brands in the textile industry.

Textiles infiltrate every aspect of our lives. They protect our bodies, and cover our furniture, floors and windows.

95% of the textiles we use could be recycled. Only 25% actually are.

PROJECT CONSULTATION

<http://reallycph.dk/inspiration/circular-by-design-exhibition/>

CASE STUDY 6

Svart Hote Meløy, Norway

Snøhetta

ongoing 2021

Architecture

A key part of sustainable architecture is energy. This is the focus of Powerhouse, a collaboration between Snøhetta, Entra, Skanska, Zero Emission Resource Organization and Asplan Viak.

By applying their parameters, a building ends up supplying the community with more renewable energy after 60 years than the amount used to produce its materials, build it, maintain it and demolish it.

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Svart hotel, the first energy-positive building above the Arctic Circle, meaning it will produce more energy than it consumes.

Erected in a fjord at the foot of the Svartisen glacier in the small town of Meløy, Norway, its ring shape was studied to exploit energy while offering 360-degree views of the surroundings.

Minimal impact on the environment.

The roof is covered with solar panels and heating is given by geothermal wells.

Yearly energy consumption is 85% less than other modern hotels.

All rooms, terraces and restaurants are positioned strategically to exploit the sun's energy throughout the day and seasons. Furniture will be made of natural and recycled materials.

The hotel is only reached by boat. The plan is for an energy-neutral boat to shuttle from the city to the hotel.

PROJECT CONSULTATION

<https://snohetta.com/projects/366-svart>

CASE STUDY 7

Lovely Waste: The process comes first

Source and Woo Class Florence

Year 2018

Design

Aim of Source:

Give visibility and concreteness to design projects that combine artisanship, art and new technology; supporting designers and creating a network.

CASE STUDY 7

Lovely Waste: The process comes first

Source and Woo Class Florence

Year 2018

Design

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Give visibility and concreteness to design projects that combine artisanship, art and new technology; supporting designers and creating a network.

Source's exhibition "Lovely Waste"

during the Milan Furniture View 2018 showed the result of a competition for a project to develop with Woo Class Florence, an **eyewear brand of wooden frames with meticulous attention to detail.**

Exploring the possibilities of creating new products using the remains of the woodworking process.

The offcuts of wood are 40% less, and no plastic is used, making them less expensive.

Novo Eyeglasses by Sebastiano Tornelli, who created a new material by adding resin to the milled offcuts of eyeglass frames produced by Woo Class Florence.



PROJECT CONSULTATION

<http://www.wooclass.com/>



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