



ESTUDI RAMON FOLCH I ASSOCIATS, S.L.

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Exhibition “Biomimicry, Designs by Mother Nature”

Exhibition concept, design and curatorship in Barcelona, London, Lisbon and Shanghai







未来
FUTURE

人类学的未来挑战：在全世界范围内，人们正在不断探索新的生产产品的研究，以应对人类的未来挑战：交通、能源和其他方面会如何影响我们的生活方式，从最基础的能源到最先进的光生成能量；等等。

FUTURE CHALLENGES OF BICOMMUNITY All over the world, research is being carried out into new biomimetic products to tackle future challenges of humanity: mobility, energy, and lighting. Prototypes and projects inspired by nature will form innovative solutions that will impact how we live from vertical movement, to generating energy from sunlight; the possibilities are infinite.

功能
FUNCTION

仿生学是模仿自然界的生物体，以解决人类面临的问题。通过模仿自然界的生物体，我们可以找到新的解决方案，以解决人类面临的问题。例如，模仿鸟类的飞行原理，我们可以设计出更节能的飞行器。模仿鱼类的游动原理，我们可以设计出更节能的潜水艇。模仿植物的光合作用原理，我们可以设计出更节能的太阳能电池板。

FUNCTION
Biomimicry is the study of nature's designs and processes to solve human problems. By mimicking nature's designs and processes, we can find new solutions to human problems. For example, by mimicking the flight principles of birds, we can design more energy-efficient aircraft. By mimicking the swimming principles of fish, we can design more energy-efficient submarines. By mimicking the photosynthesis principles of plants, we can design more energy-efficient solar panels.



Category:

[Estratègies de ciutat sostenible i acció climàtica](#) [1]

Client

Roca Gallery, Roca S. A.

Period

2013-2017

Motivation

The exhibition “Biomimicry, Designs by Mother Nature” explains how nature becomes an inspiration for our society.

(Bios = ‘life’; mimesis = ‘imitate’): Biomimetics consists of copying, imitating or emulating the forms or functional solutions of particular animal and plant species or natural systems. Copying natural forms, replicated natural functions and reproduced natural systems help designers, engineers,

architects, and business leaders meet design challenges by creating attractive, efficient and functional products and buildings. The mimicry of natural processes, materials and solutions is an inexhaustible source of future designs and is one of society's routes to development and innovation.

19 examples and 8 objects are the core of the exhibition.

Results

The main results of the project were:

- Exhibitions occupying an average space of 200 m²
- Adaptation and travel
- Executive project
- Visitor's guide
- Educational materials
- Support for designing the catalogue

The exhibition dates were:

- Sept 2013-Jan 2014 (Barcelona)
- Sept 2014-Jan 2015 (London)
- Oct 2015- May 2016 (Lisbon)
- Des 2016-Jan 2017 (Shanghai)

Categoria

[Divulgació socioambiental](#) [2]

Tags

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