

SELF-FAB HOUSE

2nd Advanced Architecture Contest

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Avançada de Catalunya**Innovative proposals for constructing self-sufficient dwellings through digital technologies.**

The Institute for Advanced Architecture of Catalonia investigates global projects for sustainable development on the cutting edge of self-sufficient housing, addressing environmental, economic and social needs. The projects investigate construction techniques and processes to build houses with local means, from the intelligent application of traditional techniques to advanced digital processes and fabrication. This book is a fascinating compilation of the most innovative projects for single dwellings and residential buildings, proposing the most creative designs and construction through the use of new materials and energy systems, and the integration of architecture into the landscape.

Based in Barcelona, the IAAC is an international centre of architectural research in territorial analysis, urban development, digital fabrications and informational environments for improving cultural, economic and social conditions.

The IAAC is an international centre of education and research that focuses on architecture understood as a discipline that encompasses different scales, ranging from territorial analysis, urban development, architectural projects and digital fabrications to informational environments.

Located in Barcelona, one of the international capitals of Urbanism, the institution develops a multidisciplinary program that explores urban and international territorial phenomena, placing especial emphasis on the opportunities that emerges from developing countries and the cultural, economic and social values that architecture may contribute to society.