

Bolzano, 25 gennaio 2018



# KLIMAHOUSE

I.I.S.S. "L. PILLA"



The 2018 edition of Klimahouse, the International fair for the restoration and efficiency of Energy in building which took place in Bolzano, has seen our students of ITCAT section to visit the exposition on 25 January.

The ITCAT course (Construction, environment and territory section) studies specific contents addressed to building activities and transformation of territory.

Klimahouse, with its expositors, has been a unique teaching opportunity for the students who have shown interest towards the avanguard technologies. They interacted with some primary companies specialised in alternative energies and energetic efficiency.

In order to think to our future, respecting the environment, a different building also means to promote a responsible and sustainable building to safeguard the climate and the human health.

In fact, the theme of live healthy has been involving for years the building sector that has developed full awareness about the necessary contribution to be given in the promotion of ecological constructions, by using natural resources, technologic and plant systems with less environment impact.

It is a primary objective to deal with the challenges of future educating to sustainability and promoting the knowledge and the uses of avanguard buildings.



# The news of Klimahouse

The news didn't cover just the eco building components, but also prefabricated houses, turnkey and highly customizable. The students discovered that a window can capture the sun-rays and satisfy the energy requirement of an entire building as well as that result very pleasant

and healthy to build with straw or plaster own house with a plaster made from rice. To respect the environment means to use wooden floors coming from forest subjected to controlled reforestation, avoiding the uncontrolled exploitation of the Amazon.



On Saturday 27 January, Klimahouse introduced "Rooms in an open sky" a seminary dedicated to a renewed culture of the ecological living, organised by Professor **Pino Scaglione**, from **University of Trento**, with the participation of Mrs C.M. Arroyo of the Studio Bergmeisterwolf and the architect Vincenzo Corvino of Corvino Studio .

**"Costruire secondo natura, vivere secondo natura"**

smart material



smart living



smart city

smart building

Urban requalification



## STARTUP

The 2018 edition of the Startup Award will see the 10 selected startups from Italy, Germany and Austria challenge their innovation, presenting their innovative, green and energy-saving products, including luminescent solar concentrators that can transform simple windowpanes into semi-transparent solar panels able to satisfy the energy needs of an entire building, a robotic system that speeds up the assembly of scores on construction sites, or eco-construction materials such as straw, rice husk and tiles made out of mushrooms.

“costruire secondo natura,  
vivendo secondo natura”



### StartUp Village 'From Glass to Energy'

Sheets of plastic containing special nanoparticles to capture the sunlight can transform normal windowpanes into transparent solar panels and meet the energy needs of an entire building.

## Ricehouse

A young company based in Biella, in the Piedmont region of Italy sustains the use of straw and rice husk as a building material. Their biocomposite plasters for interiors and exteriors are characterized by high energy and acoustic efficiency in a perfect combination of tradition and innovation.



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