

VerSus International Student Competition

Poster 1: Analysis and Concepts

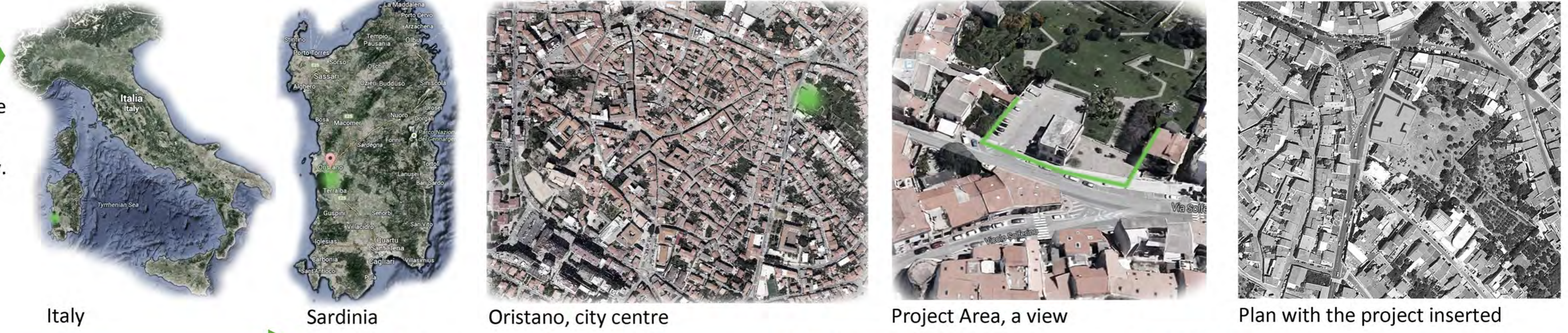
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UCO URBAN CENTER ORISTANO

LOCATION

The project is located just outside the city centre of Oristano, a developing city in the west-central Sardinia, Italy.



Italy

Sardinia

Oristano, city centre

Project Area, a view

Plan with the project inserted

INSPIRATION

Suggestion Materials

Walking through Oristano it's easy to see many houses built by sundried earth bricks, often treated with earth plaster; moreover this region is full of basalt, a stone used in many different ways in vernacular architecture



Buildings in Oristano, made by sundried earth blocks

A "Nuraghe" and a Church near Oristano, built by Basalt blocks

CONCEPT

REBUILT A CONTINUOUS STREET FRONT



Vernacular Technique

In Sardinia, earth as constructive material is used in sundried blocks, named "Ladiri". They have a size of 10x20x40 cm and are still hand made. They are a mixture of clay, silt, sand, added with straw, in order to increase the mechanical strength.



The local production of mud bricks sundried, a mixture of clay, silt, sand and straw (10x20x40 cm)

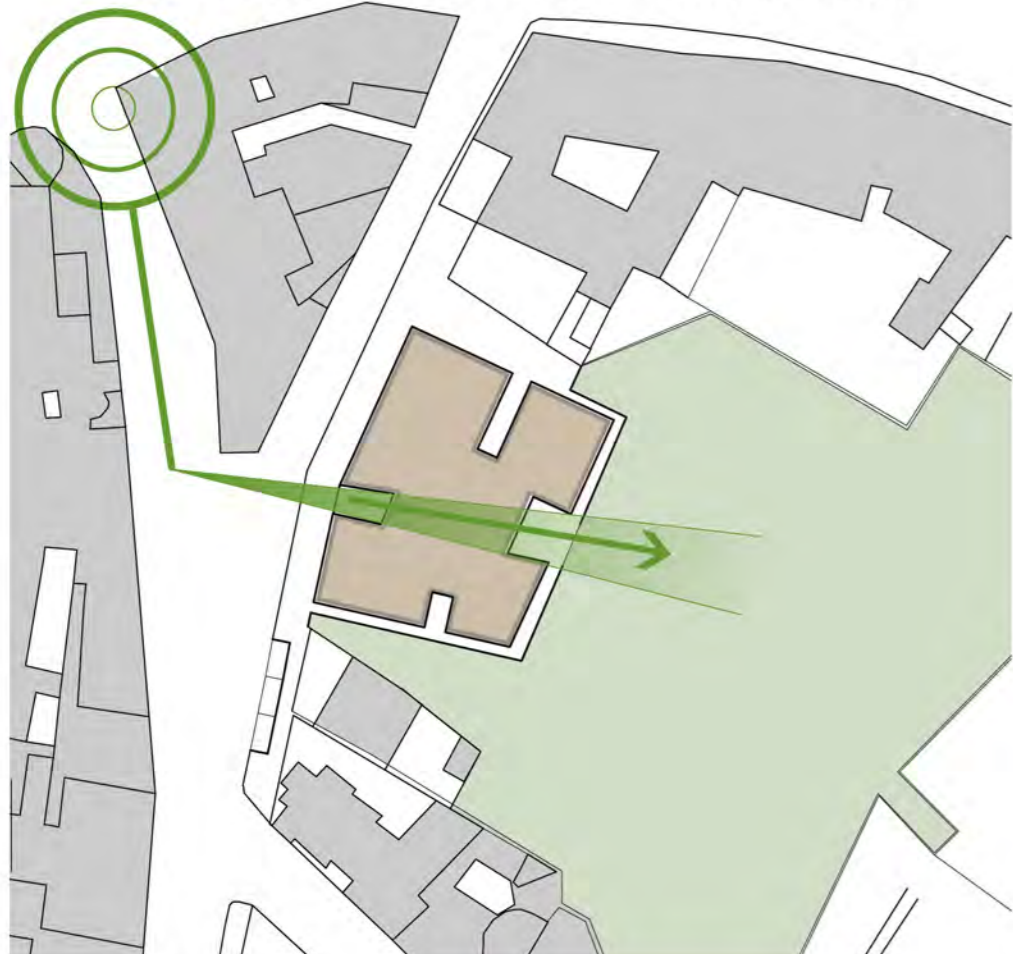
MATERIALS



"Ladiri", sundried earth blocks

Basalt blocks, a local stone

"OPTICAL TELESCOPE":
CONNECTION CITY CENTRE - PUBLIC PARK



FRAGMENTATION LIKE THE CITY:
MASSIVE FRONTS AND INDENTED COURT



ENVIRONMENTAL

"To be strongly linked to the territory and, like an optical telescope, connect the city centre with the park"

"To harmonize the street by creating a continuous front, like it probably was in origin"

"To use natural materials which respect human physical and mental health"

"To create a meeting point where people can recognize their tradition"

3 SUSTAINABLE SCOPES

"To use low cost materials, easy to carry to the construction yard and that reduce pollution"

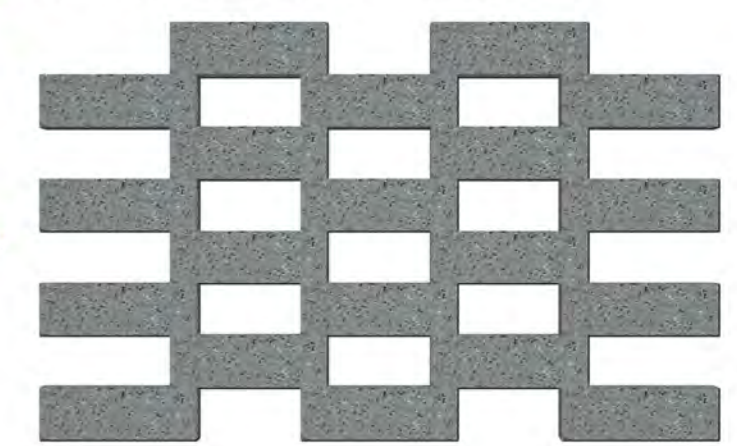
"To recall the characteristics of the medieval city center by the use of massive compact street fronts and indented court"

"To save resources, using techniques and a particular shape related to the characteristics of the soil and of the climate"

"To extend the building lifetime designing all the details carefully"

SOCIO-ECONOMIC

SOCIO-CULTURAL



The perforated basalt pattern

The idea of using basalt blocks as a permanent sun-shading structure becomes the mark that characterizes the project

TIPOLOGY: Urban Center
PLACE: Oristano
REMARKABLE MATERIAL & TECHNIQUE: "Ladiri", sundried earth blocks
PRINCIPAL ASSET: Combine tradition and innovation



Night view of the project by the park

