L’INNESTO PROJECT - MILAN

Paolo Cresci
Sustainability & MEP Leader
Head of Sustainable Development | Arup Italy
Our aims since 1971

- Quality of work
- Total architecture
- Humane organisation
- Straight and honourable dealings
- Social usefulness
- Reasonable prosperity
Global knowledge and local presence
Sustainable Future
6 Principles to guide us

- Natural Capital
- Human Health
- Decarbonisation
- Circularity
- Resilience
- Social Value
- Natural Capital
L’INNESTO

Reinventing Cities Milan

2018 - ongoing
31 sites
around the globe

NOVEMBER 2017 ..................PHASE 1....................>>>.................. PHASE 2.........................SPRING 2019

Participating cities
Auckland
Chicago
Houston
Madrid
Milan
Montréal
Oslo
Paris
Portland
Reykjavik
Rio de Janeiro
Salvador
San Francisco
Vancouver
G1: ZERO CO₂
The first Zero Carbon “Housing Sociale” project in Italy

G2: 30 YEARS
Long-term involvement in responsible and resilient management of resources, spaces and community

G3: ONE COMMUNITY
A collaborative neighbourhood with an agricultural heart, a Human Adaptive Zone to restore urban relationship

Building energy efficiency and supply of clean energy
Sustainable materials management and circular economy
Green mobility
Resilience and adaptation
New green services for the site and the neighbourhood
Green growth and smart Cities
Sustainable water management
Biodiversity, urban re-vegetation and agriculture
Inclusive actions and community benefits
Innovative architecture and urban design

10 Challenges

Resident’s Handbook
Project Strategies
Current Behaviour
Expected Behaviour
The “Handbook” Tool
62,000 square meters is the overall site area dimension

60% of the minimum area to be designed for equipped public green spaces

24,000 square meters is the GFA

21,000 GFA for affordable housing

4,000 GFA for services and other activities
~ 400
New housing units

~ 300
new beds for students

72%
of the overall area will be equipped public green spaces

100
subjects in the area contacted during the competition phase

up to 1,000
New job opportunities/year created with the CED
MIX OF ACTIVITIES

cyclocross

student housing

diffused smart services

energy center

private vegetable gardens

housing

mulberry trees avenue

aquaponics

community food hub

community food hub gardens

community garden

orchard

mulberry trees avenue

playgrounds

circular economy district

zero waste food store

multimodal sharing hub
THE FIRST ZERO CARBON “HOUSING SOCIALE” PROJECT IN ITALY
In partnership with A2A Calore e Servizi and MM, the team put forward the first example of low temperature 4th Generation district heating powered by renewable sources, (including urban wastewater)
Residents of project L’INNESTO will initiate a virtuous cycle by renouncing the possession and, hence, massive use of private cars, as a result of the many alternative options offered by the compartment.
INTEGRATED WATER STRATEGY

Management of water scarcity, excess water and waste water enhancement.
A COLLABORATIVE COMMUNITY, A HUMAN ADAPTIVE ZONE
1,200 MQ circular economy district

1,200 MQ community food hub

500 MQ zero waste food store

N 3 common spaces

N 1 living/reception

N 1 laundry

Community
double drywall sheet
OSB panel
secondary beam L.L.
insulation with rock wool
external insulation with mineral wool
external finish