



# SUSTAINABLE LIFE STYLE

PROTECTS THE ENVIRONMENT  
LIVE IN HARMONY  
BUILDING RELATIONSHIPS  
MUTUAL BENEFIT  
CARE FOR THE EARTH



HOME-BASED  
FAMILY-CENTERED  
SIMPLER  
SELF-SUFFICIENT LIFESTYLE

DESIGN IS FLEXIBLE ENOUGH  
TO ADAPT TO FUTURE



W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

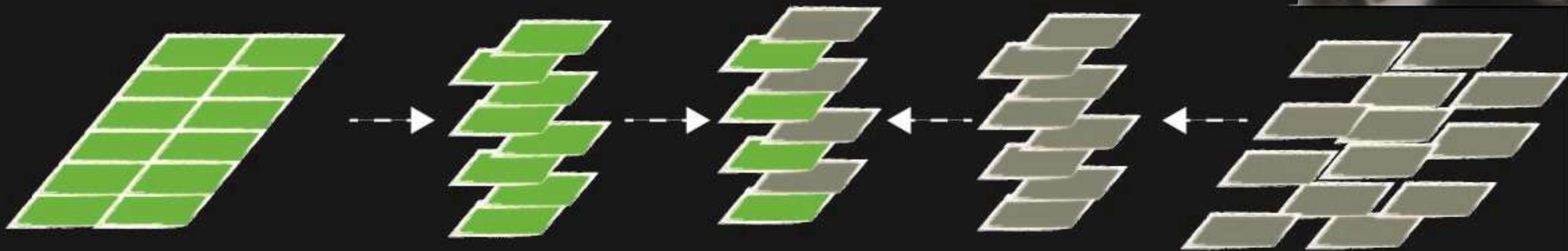
ECOWEEK  
2011 ... habit change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



# PROPOSAL

THINK IN A POSSIBLE SYSTEM  
TO ALLOW THE VERTICAL INTEGRATION OF  
URBAN AGRICULTURE



AGRICULTURE

VERTICAL  
AGRICULTURE

AGRICULTURE  
+  
HOUSING

VERTICALIZATION  
OF THE CITY

CITY  
GROWTH

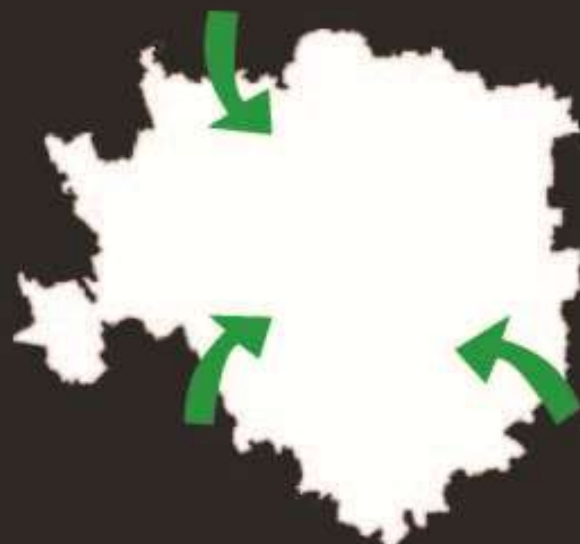


W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



## POSSIBLE SOLUTION

- SELF SUFFICIENT ALIMENTARY SUPPLIES



W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas





## POSSIBLE SOLUTION

- SELF SUFFICIENT ALIMENTARY SUPPLIES
- CREATION OF A SENSE OF COMUNITY

W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas





## POSSIBLE SOLUTION

- SELF SUFFICIENT ALIMENTARY SUPPLIES
- CREATION OF A SENSE OF COMUNITY
- USE OF TECNOLOGY TO INVERT THE TREND

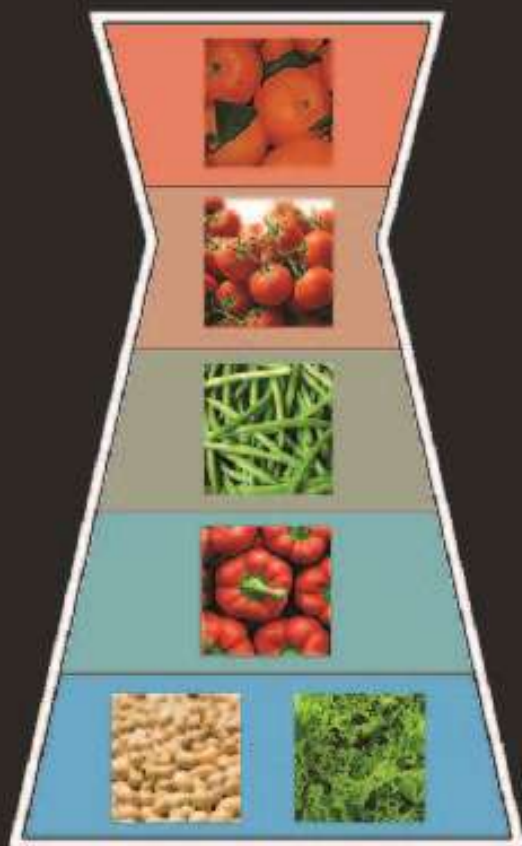
W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas





WARM  
CULTIVATION

TEMPERATE  
CULTIVATION

COLD  
CULTIVATION



WAY TO USE IT



W5  
THEME: C

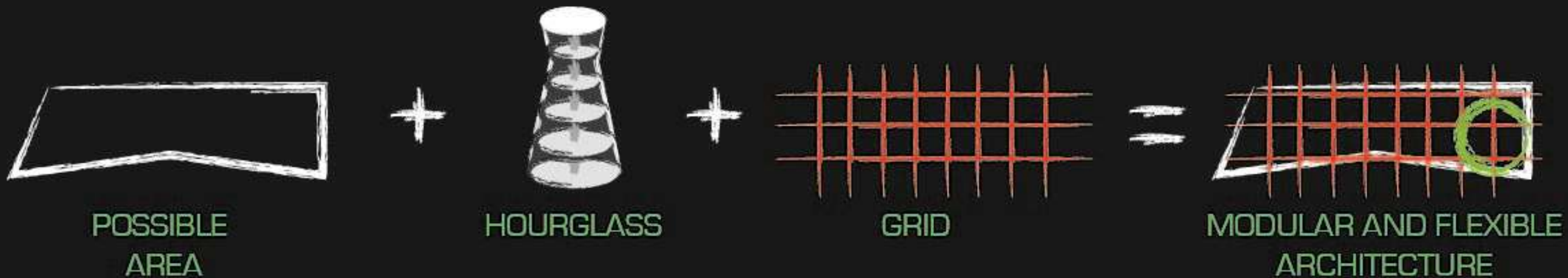
CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

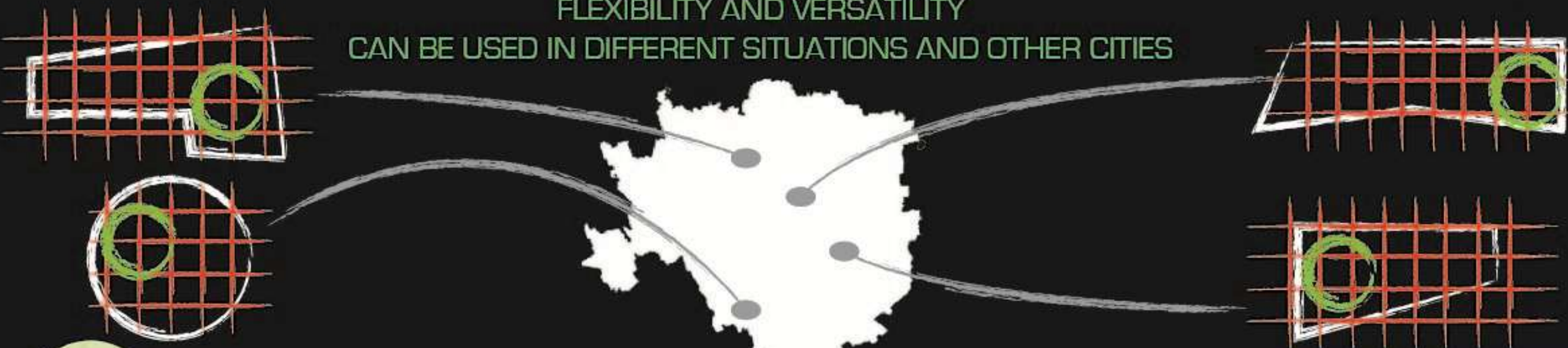
Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



# ARCHITECTURAL CONCEPT



FLEXIBILITY AND VERSATILITY  
CAN BE USED IN DIFFERENT SITUATIONS AND OTHER CITIES



REGARDLESS OF THE TYPE AREA OF THE BUILDING

W5  
THEME: C

CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

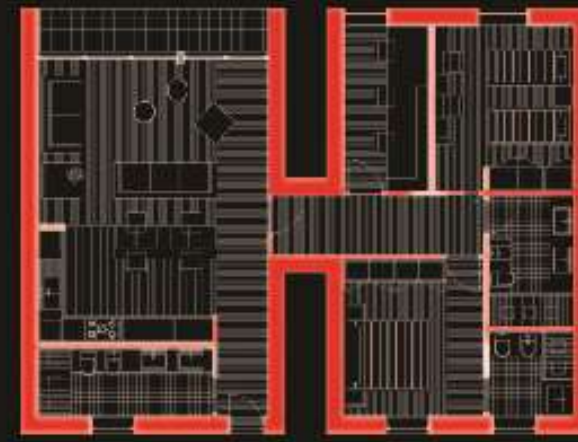
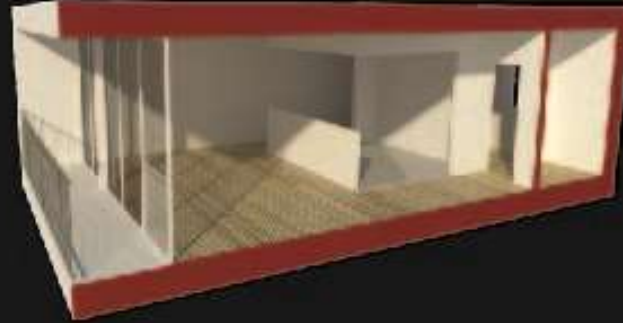
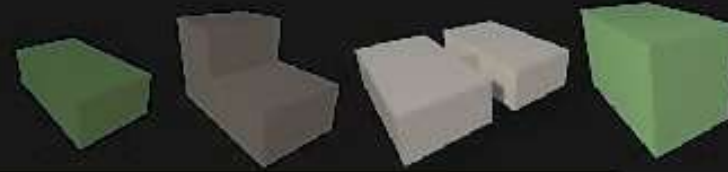
Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



# FLEXIBILITY HOUSES

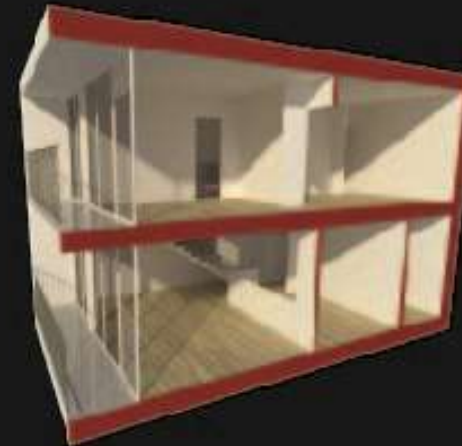
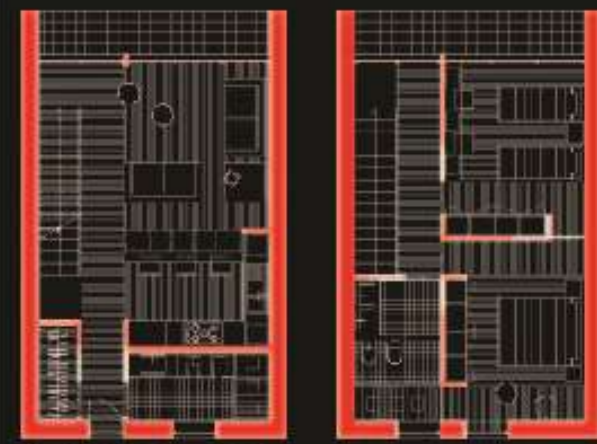
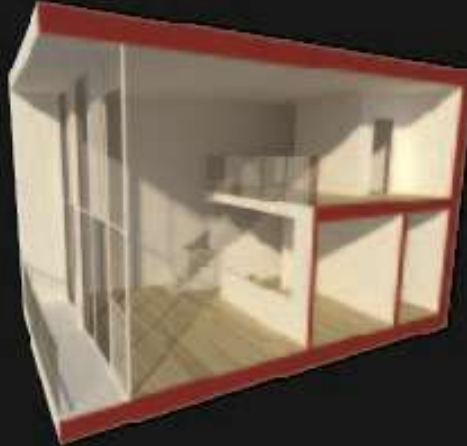
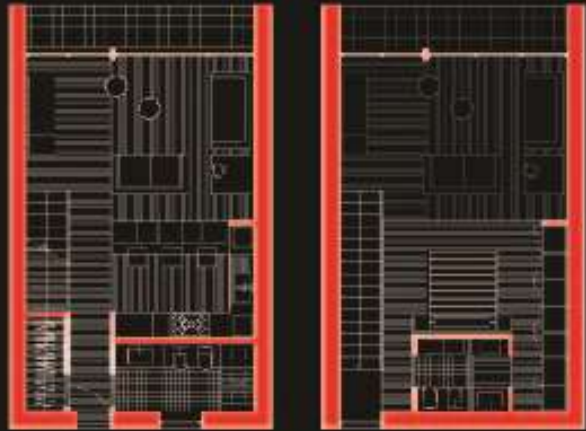


SUPPORTS  
20 FAMILIES



SIMPLEX 46mq

SIMPLEX 90mq



DUPLEX 65mq

DUPLEX 90mq



W5  
THEME: C

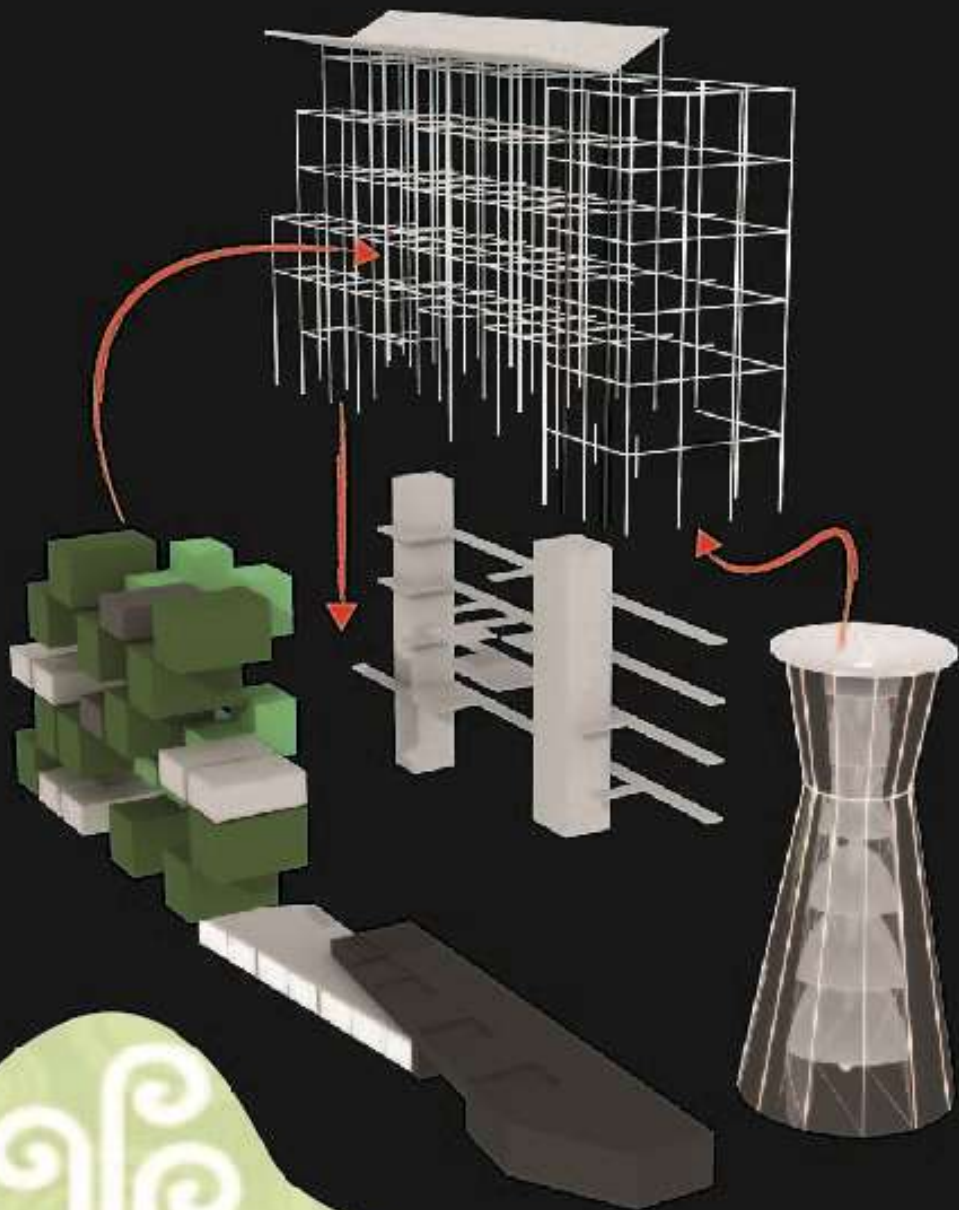
CLESSIDRA  
Luca Strada Associati  
Milano

ECOWEEK  
2011 ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



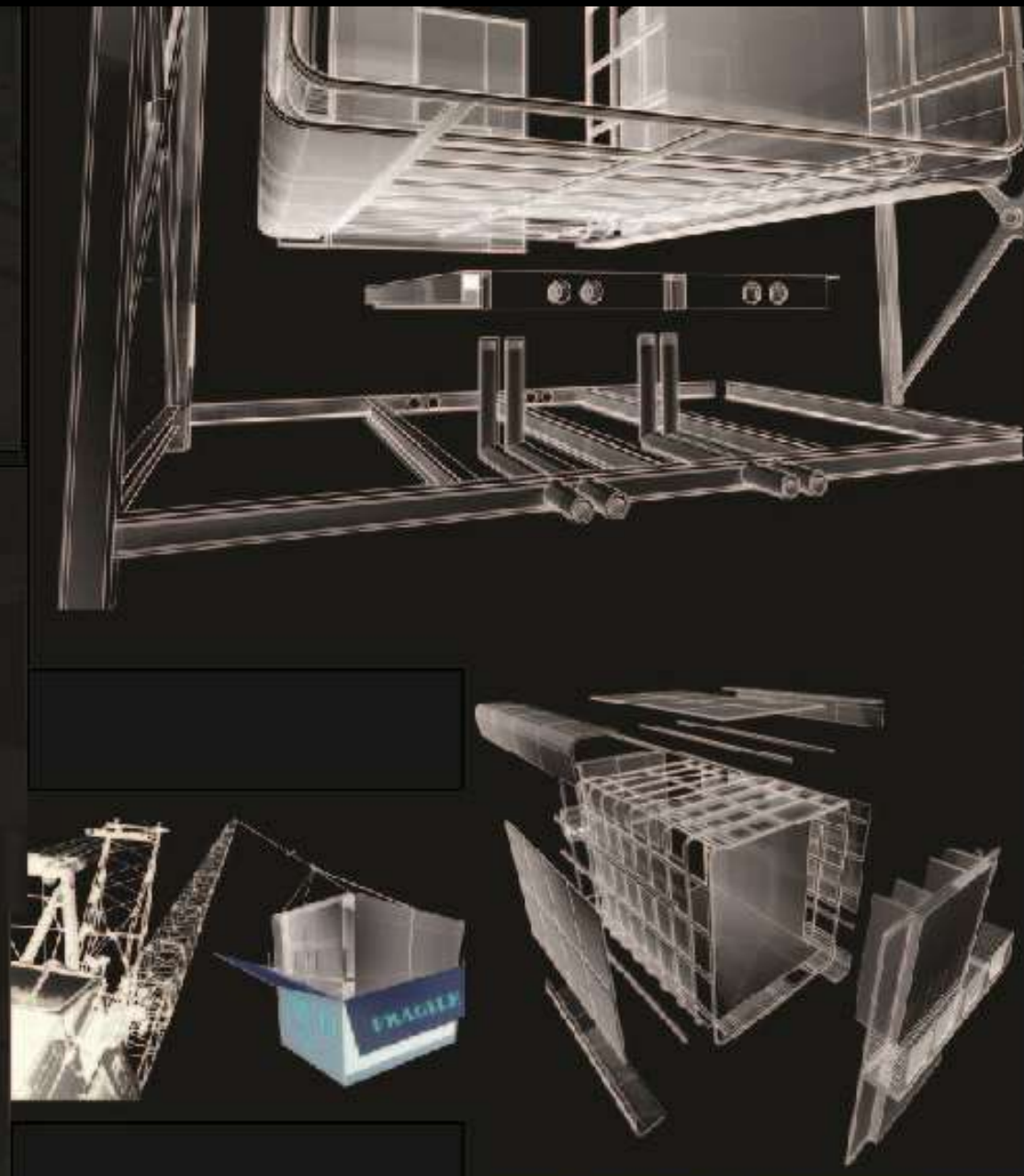
# BUILDING TECHNICAL RESOURCES



- ENERGY: on-site generation**
- 1 Wind Turbines
  - 2 Photovoltaics
  - 3 Biofuel
  - 4 Hydrogen Fuel Cell

- INDOOR QUALITY: site driven**
- 5 Ventilation Controls
  - 6 Thermal Spine
  - 7 Double Skinned Facade
  - 8 Earth Tubes

- WATER: collection and enrichment**
- 9 Rain Water Collection
  - 10 Pre-seeded Soil
  - 11 Living Machine
  - 12 Greywater Cistern



**W5**  
THEME: C

**CLESSIDRA**  
Luca Strada Associati  
Milano

**ECOWEEK**  
**2011** ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas



# PROJECT



## MASTER PLAN 3D REDERING



**W5**  
THEME: C

**CLESSIDRA**  
Luca Strada Associati  
Milano

**ECOWEEK**  
**2011** ... habits change ... climate change

Andrea Redaelli | Angela Albizzati | Carlo Federico Catto | Francesco Masala | Giorgio Fredi | Patricia Quintella Melo | Sertac Karsan Erbas





