BROCHURE
ECO – BIO - GREEN

SYNERGIC GREEN DESIGN

**BIO – ECOLOGICAL &
HOLISTIC ARCHITECTURE**

INTEGRATE SOUL TO IDEAS

H D
HOLISTIC
DESIGN

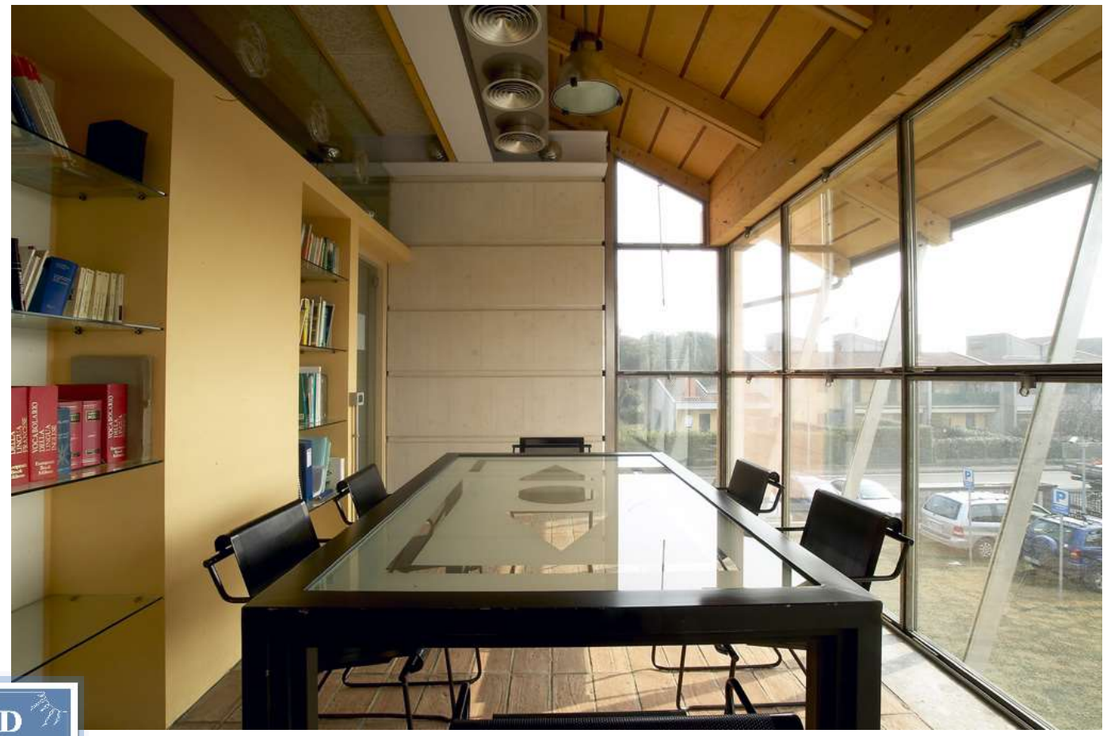
ARCHITETTO
MAURILIO
CITTERIO

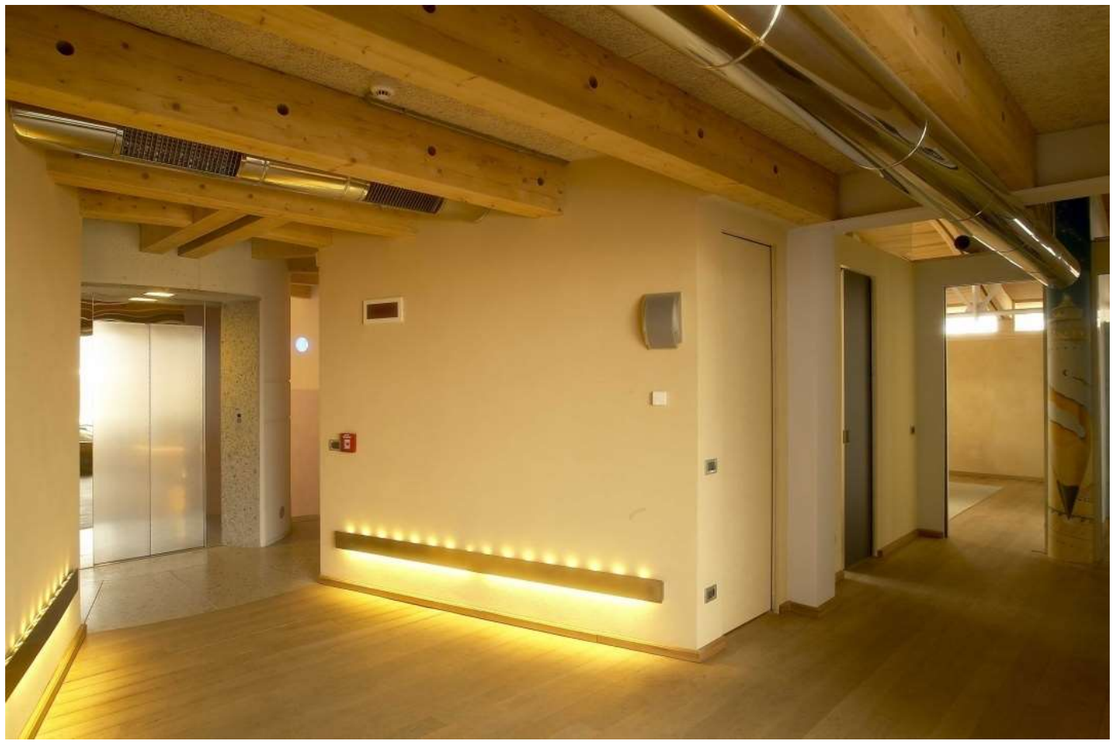
BIOECOLOGICAL ARCHITECTURE

HD
HOLISTIC
DESIGN
ARCHITETTO
MAURILIO
CITTERIO

BIOECOLOGICAL ARCHITECTURE
DESIGNS AND REALIZATIONS

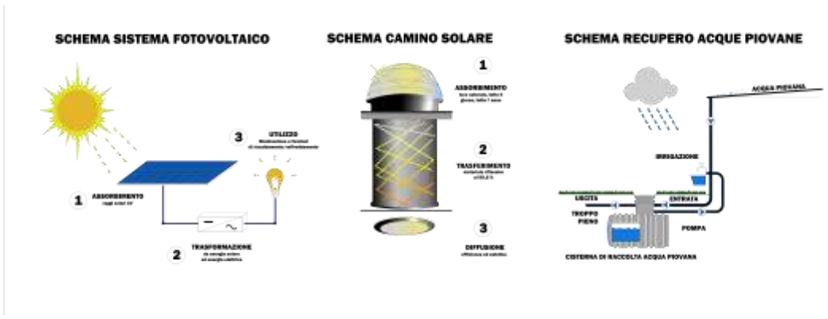
1. **TECNOMA S.R.L.** HEADQUARTER BREMBATE BG
   Architectural working plan, art direction and interior design for new service-sector facilities (1,000 square metres).
2. **NEW LIBRARY AND CIVIC CENTER** - CITY of ARESE
   design and construction of civil engineering works, project and realization electrical and mechanical systems, technical spaces and distribution layout, architectural design and practices with authorities, interior design, supply and construction furnishings and interior finishes.
3. **SWIMMING POOL - SPA - GYM** - CITY OF LAINATE
   Executive design of new municipal swimming pool with spa and gym. Construction of civil engineering works, project and realization electrical and mechanical systems, technical spaces and distribution layout, architectural design and practices with authorities, interior design, supply and construction furnishings and interior finishes.
4. **MUNICIPAL MULTI-PURPOSE GYM PROJECT** - TREVIGLIO (BG) ITALY
   architectural design and general supervisor
5. **ECO-BIO- VILLA** – SUISIO – BG BIO ECOLOGICAL PRECAST SYSTEM -
   design and construction of civil engineering works for villa. Project with wooden structure and realization electrical and mechanical systems, technical spaces and distribution layout, architectural design and practices with authorities, interior design, interior finishes. Realization in record time 3 months from the start of the works to the use of the customers
6. **ECO-BIO- VILLA** – COMO
   design and construction of civil engineering works for villa. Project with wooden structure and realization electrical and mechanical systems, technical spaces and distribution layout, architectural design and practices with authorities, interior design, interior finishes.
   Master Plan review of frond N and architectural project of super luxury villas (2000-5000 sq m)
7. **RESIDENTIAL COMPLEX VERDEBIO** – VERDERIO MB
   residential neighborhood WITH one and two-family villas designed according to bio architecture. Use of natural materials, attention to the orientation and end user comfort, energy-efficiency.
8. **MADRE PROJECT MALDIVES - MALDIVES**
   Concept, master plan and feasibility study for a new accommodation model based on energy self-sufficiency and zero km food production with low environmental impacT
9. **CLINIC FOR THE ELDERLY AND RESIDENTIAL DISTRICT "SENIOR VILLAGE"** DESENZANO BS
   Master plan and executive architectural design

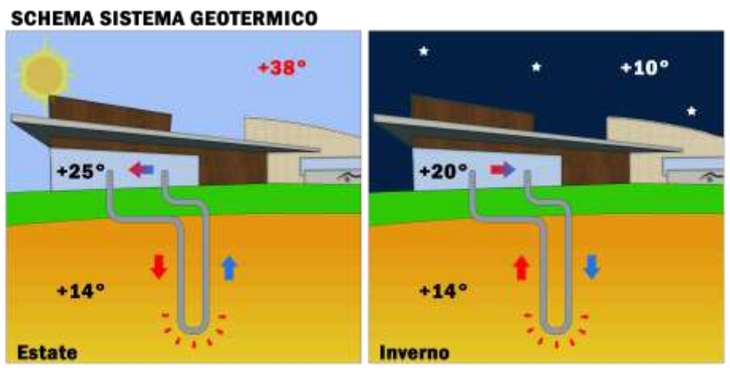


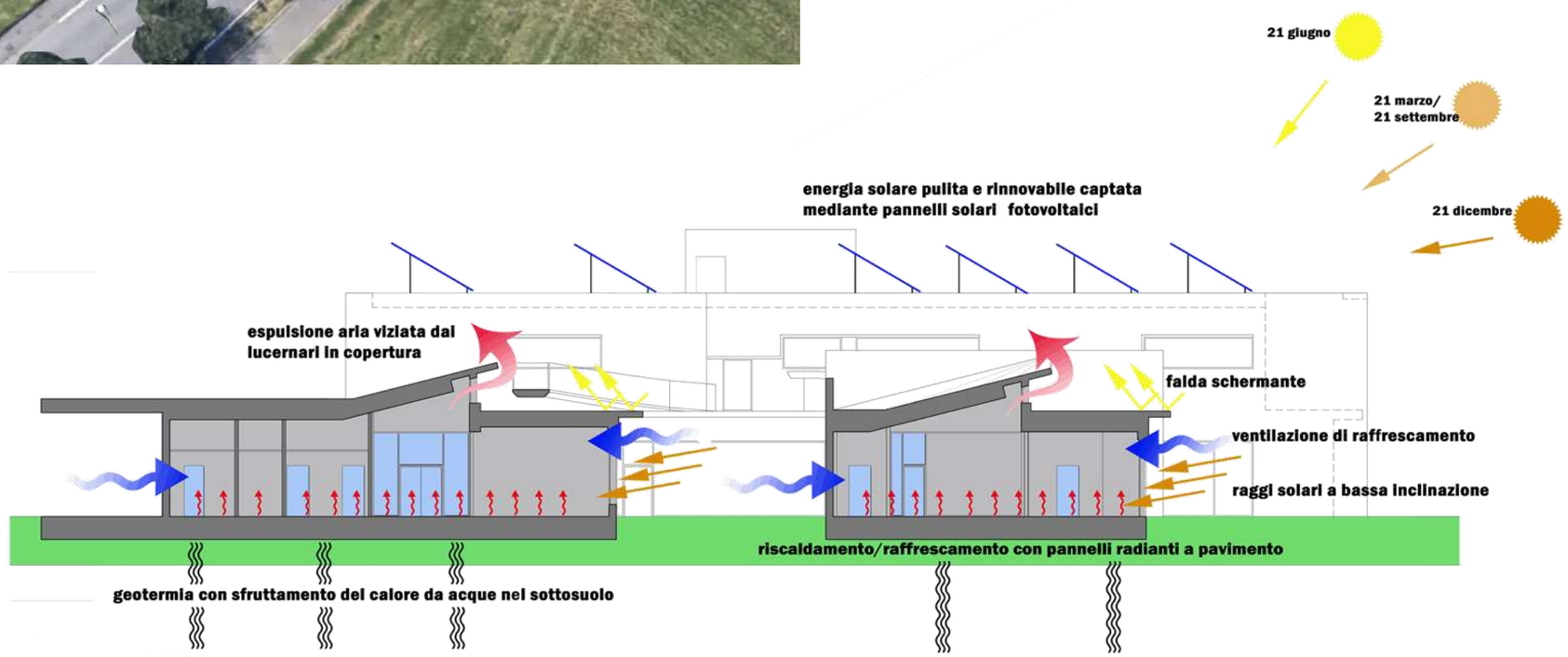


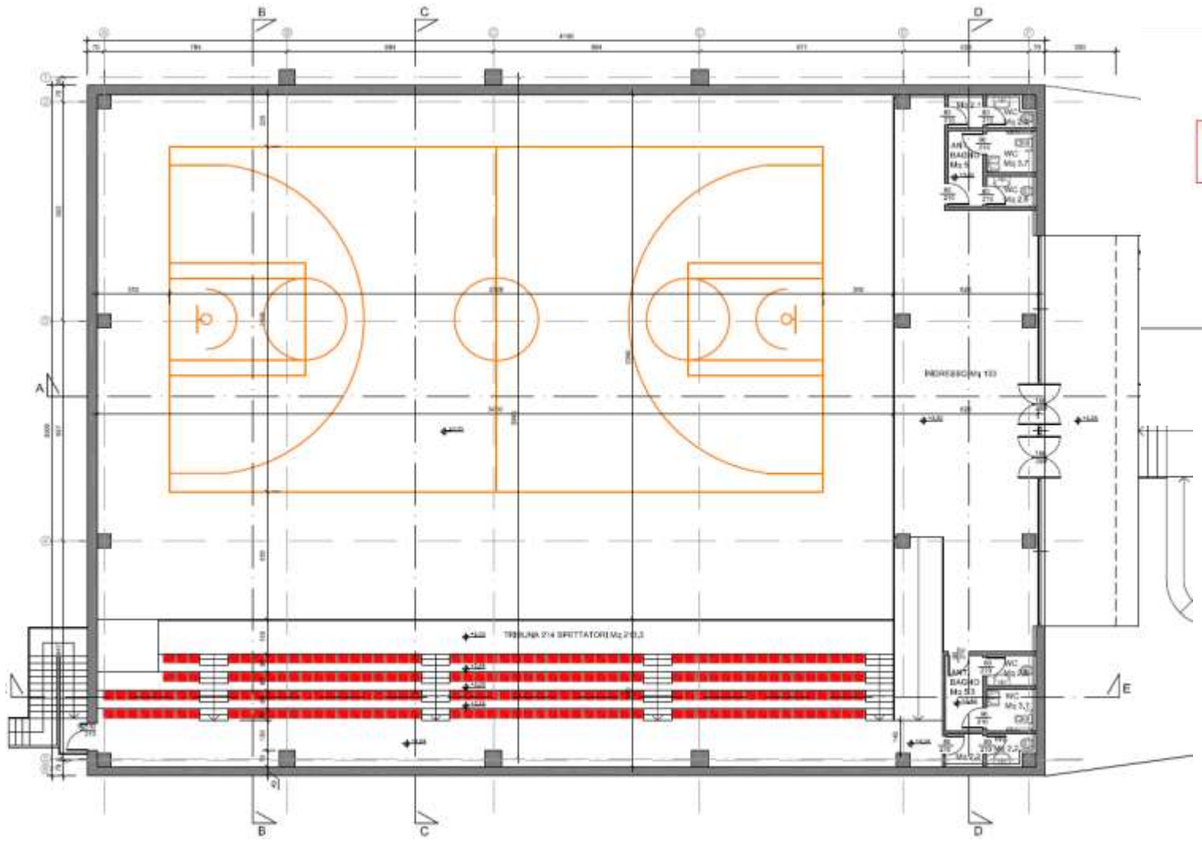

Nuovo Centro Civico Biblioteca
Agorà Afol,Arese
Via Monviso
Via Monviso

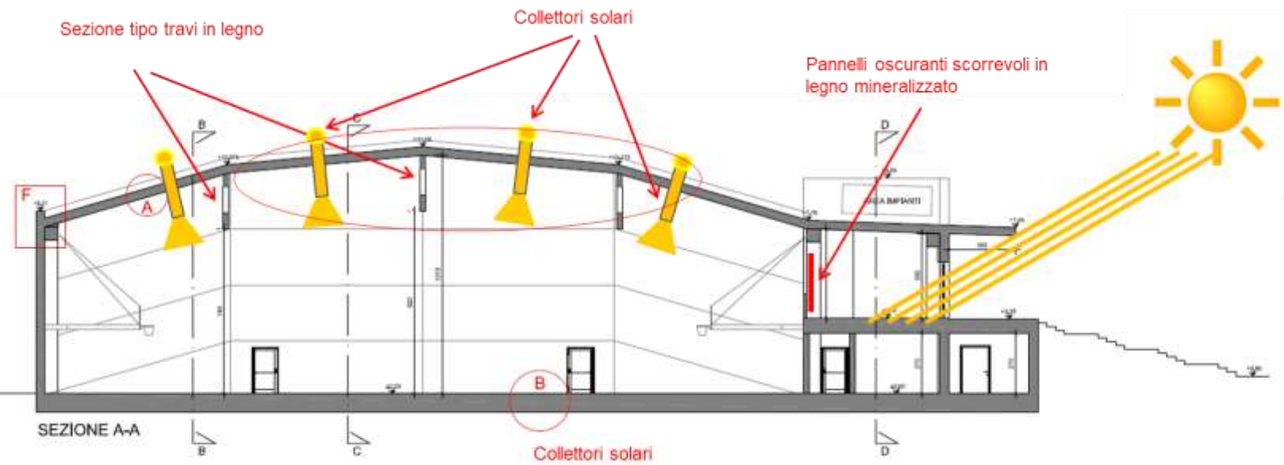

IPMA
30th world congress
2017 astana
KAZAKHSTAN

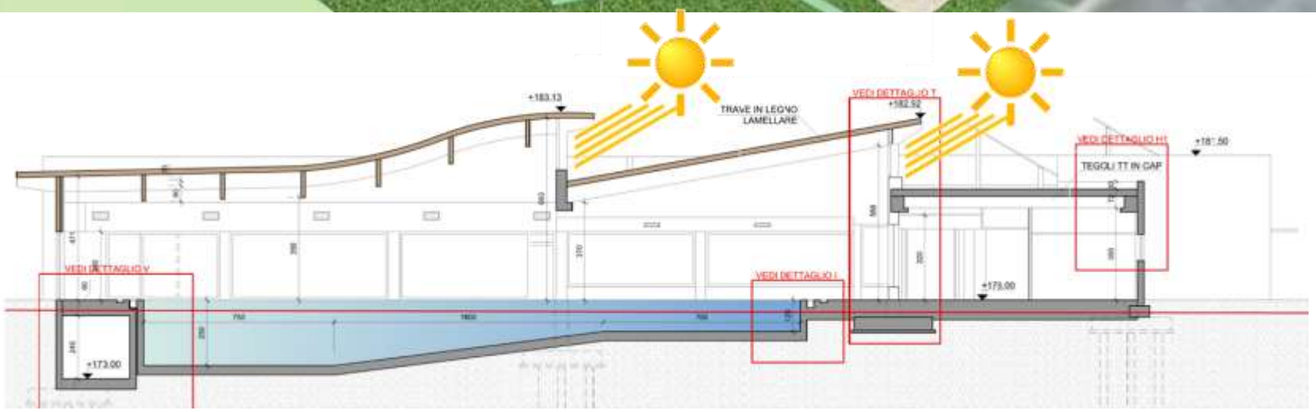

SCHEMA SISTEMA FOTOVOLTAICO
1 ASSORBIMENTO
2 TRASFORMAZIONE
3 UTILIZZO
SCHEMA CAMINO SOLARE
1
2 TRASFERIMENTO
3 DIFFUSIONE
SCHEMA RECUPERO ACQUE PIOVANE
ACQUA PIOVANA
IRRIGAZIONE
USCITA
ENTRATA
TROPPO PIENO
POMPA
CISTERNA DI RACCOLTA ACQUA PIOVANA

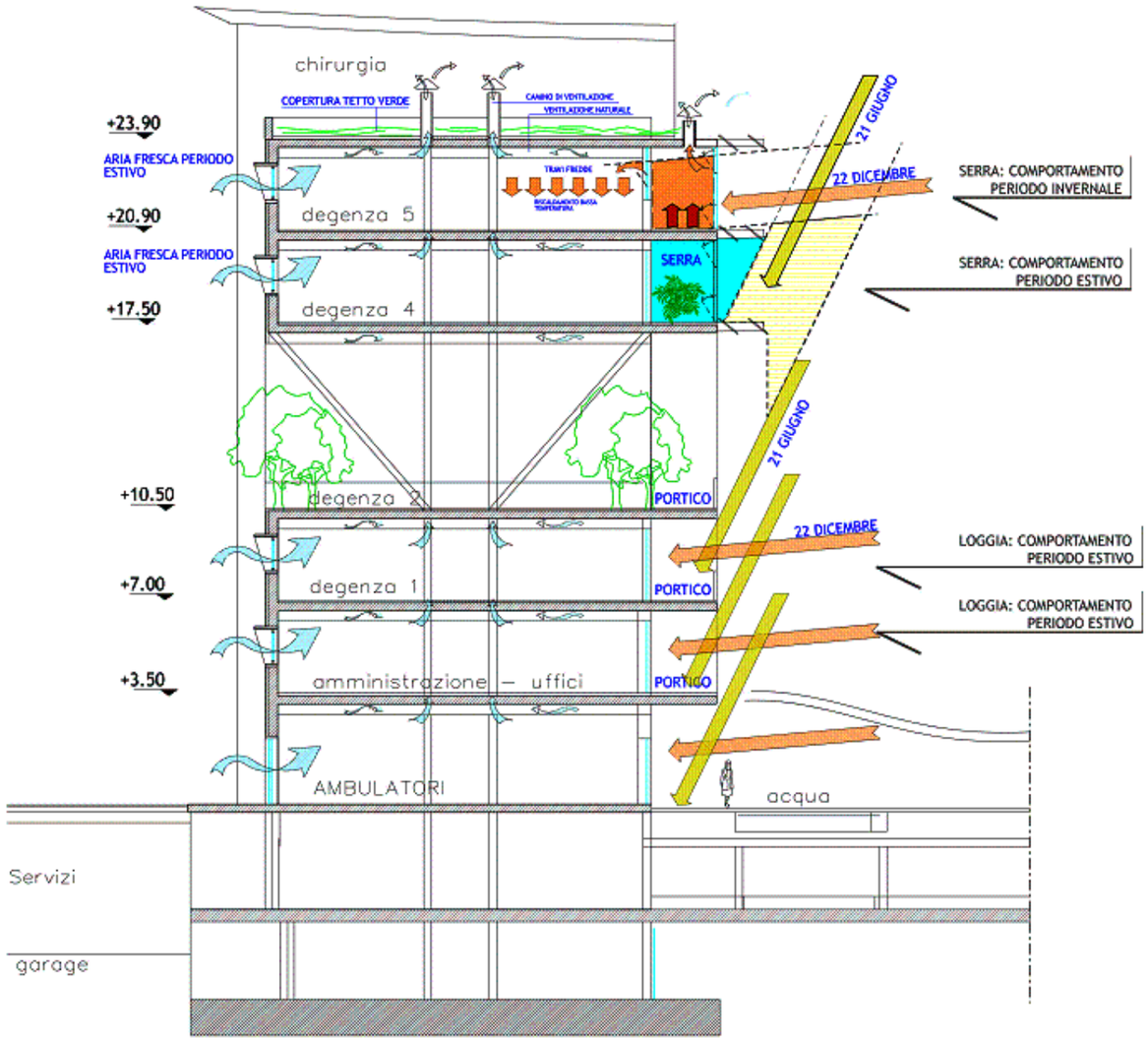

SCHEMA SISTEMA GEOTERMICO
+38°
+25°
+14°
Estate
+10°
+20°
+14°
Inverno

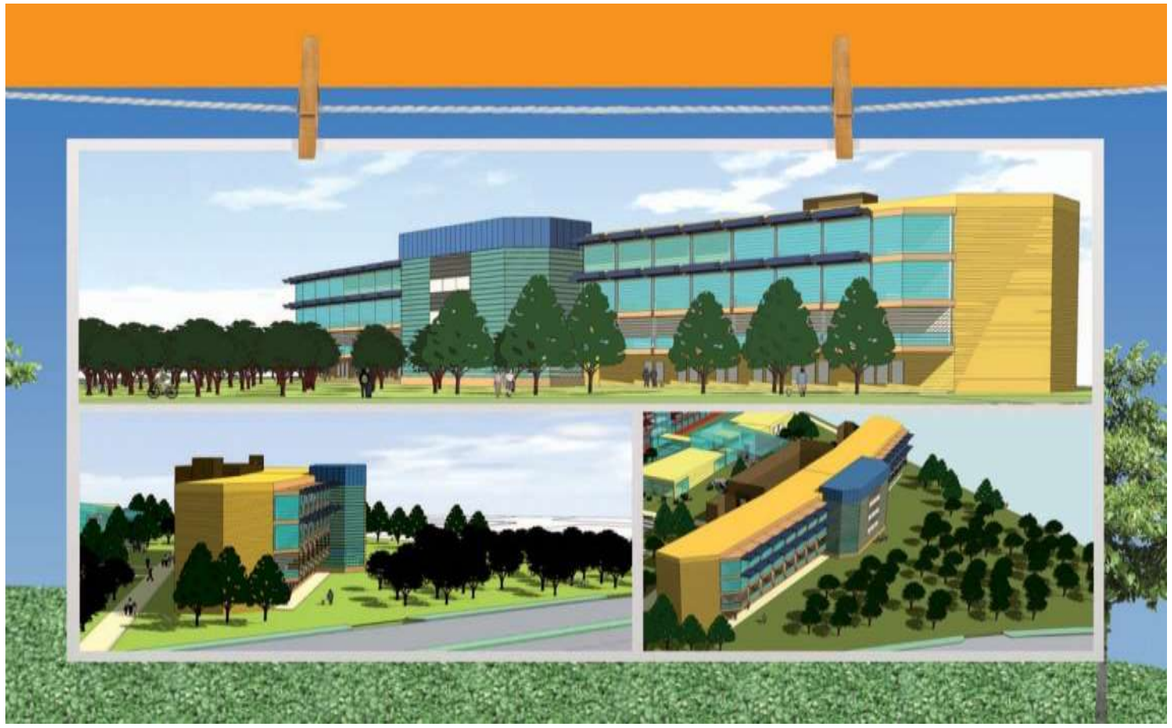

21 giugno
21 marzo/
21 settembre
21 dicembre
energia solare pulita e rinnovabile captata
mediante pannelli solari fotovoltaici
espulsione aria viziata dai
lucernari in copertura
falda schermante
ventilazione di raffrescamento
raggi solari a bassa inclinazione
riscaldamento/raffrescamento con pannelli radianti a pavimento
geotermia con sfruttamento del calore da acque nel sottosuolo


B
C
D
A
E
TRIBUNA 214 SPETTATORI Mq 210,3
B
C
D


Sezione tipo travi in legno
Collettori solari
Pannelli oscuranti scorrevoli in legno mineralizzato
F
A
B
C
D
B
SEZIONE A-A
B
C
D
Collettori solari

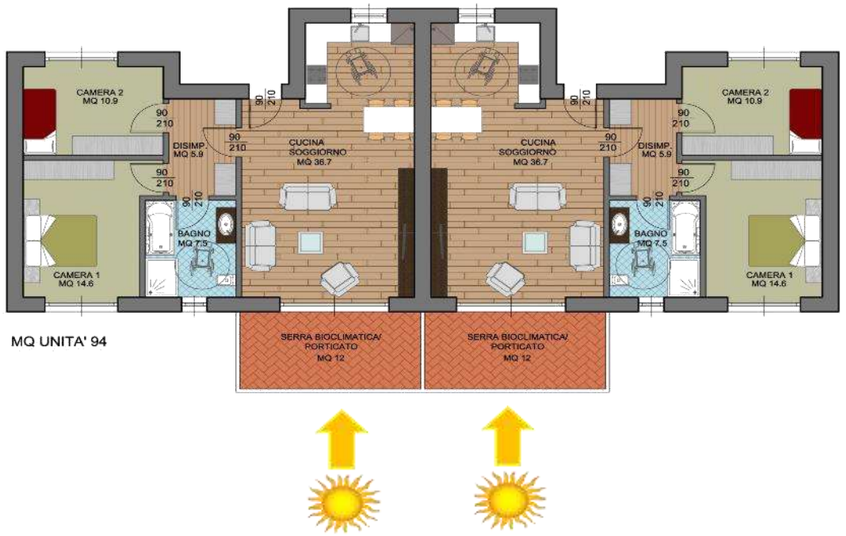

+183.13
TRAVE IN LEGNO LAMELLARE
VEDI DETTAGLIO T
+182.92
VEDI DETTAGLIO H1
+18°.50
TEGOLI TT IN GAP
VEDI DETTAGLIO V
VEDI DETTAGLIO I
+173.00
+173.00


chirurgia
COPERTURA TETTO VERDE
CAMINO DI VENTILAZIONE
VENTILAZIONE NATURALE
+23.90
ARIA FRESCA PERIODO ESTIVO
+20.90
ARIA FRESCA PERIODO ESTIVO
+17.50
+10.50
+7.00
+3.50
degenza 5
degenza 4
degenza 2
degenza 1
amministrazione – uffici
AMBULATORI
Servizi
garage
TRAVI FREDDE
RISCALDAMENTO BASSA TEMPERATURA
SERRA
PORTICO
PORTICO
PORTICO
21 GIUGNO
22 DICEMBRE
SERRA: COMPORTAMENTO PERIODO INVERNALE
SERRA: COMPORTAMENTO PERIODO ESTIVO
21 GIUGNO
22 DICEMBRE
LOGGIA: COMPORTAMENTO PERIODO ESTIVO
LOGGIA: COMPORTAMENTO PERIODO ESTIVO
acqua

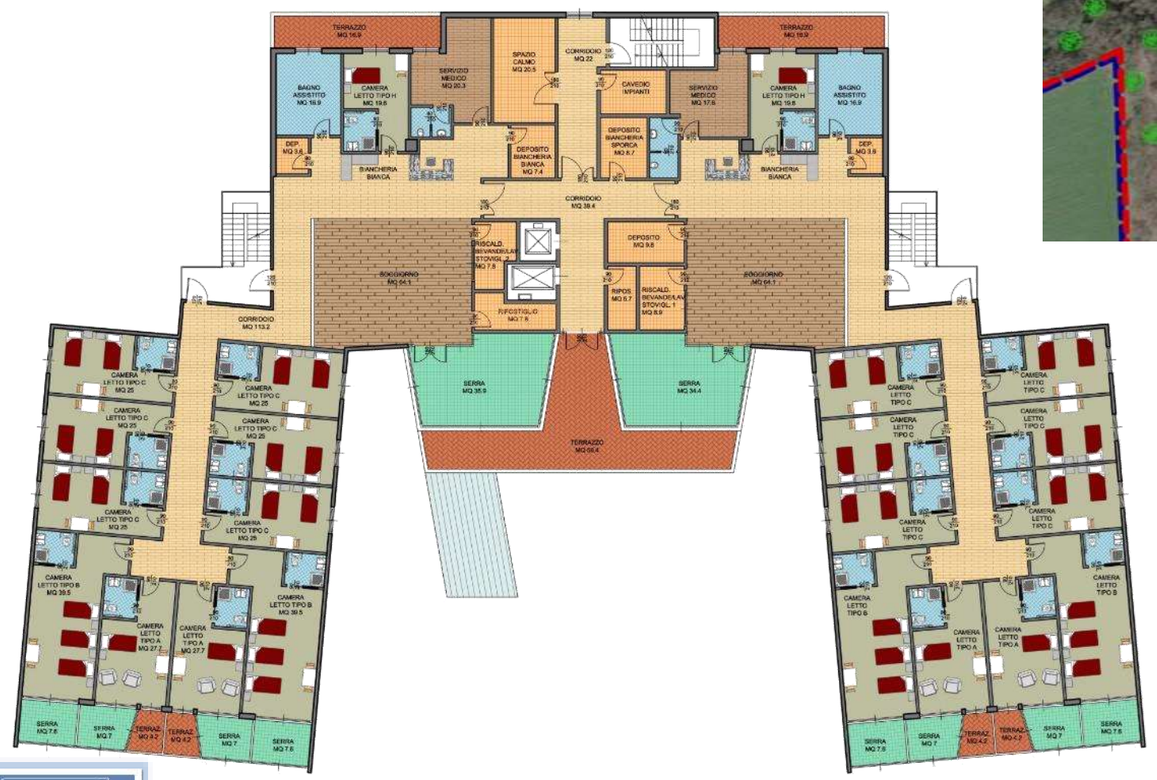



Reparti Clinica
Accettazione

PERSPECTIVE VIEWS


CAMERA 2
MQ 10.9
DISIMP.
MQ 5.9
CUCINA
SOGGIORNO
MQ 36.7
BAGNO
MQ 7.5
CAMERA 1
MQ 14.6
SERRA BIOCLIMATICA/
PORTICATO
MQ 12

MQ UNITA' 94


TERRAZZO
BAGNO ASSISTITO
CAMERA LETTO TIPO H
SERVIZIO MEDICO
SPAZIO CALMO
CORRIDOIO
CAVEDIO IMPIANTI
DEPOSITO BIANCHERIA SPORCA
DEPOSITO BIANCHERIA BIANCA
BIANCHERIA BIANCA
SOGGIORNO
RISCALD. RIVANDOLA/ STOVIGL.
RIPOSTIGLIO
DEPOSITO
RIPOS.
CAMERA LETTO TIPO C
CAMERA LETTO TIPO B
CAMERA LETTO TIPO A
SERRA
TERRAZ.


510 Mq
n°20
PA5
H
F1
F2
F3
F4
F5
IL
PA6
586 Mq
n°25
565 Mq
n°22
PA3
PA1
2510 Mq
n° 71
PA2
2645 Mq
n°75
HCOG
CH
R
BA
U
L
SP
BB
PA
PI
SPA
586 Mq
n°25
PA4
A A
C C
F F

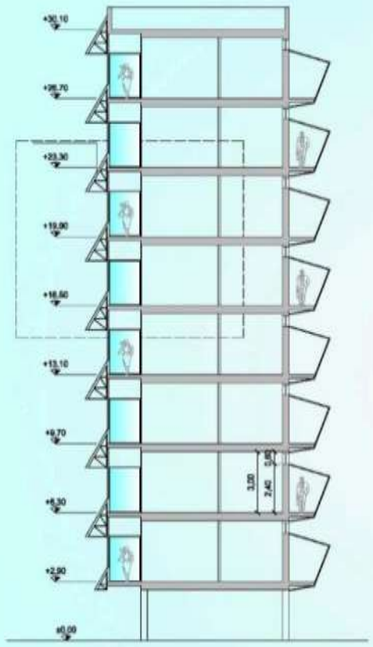

Uni-A
Uni-A
App. C-D-E
Uni-B
App. A-B
Via Sala
Via Aldo Moro

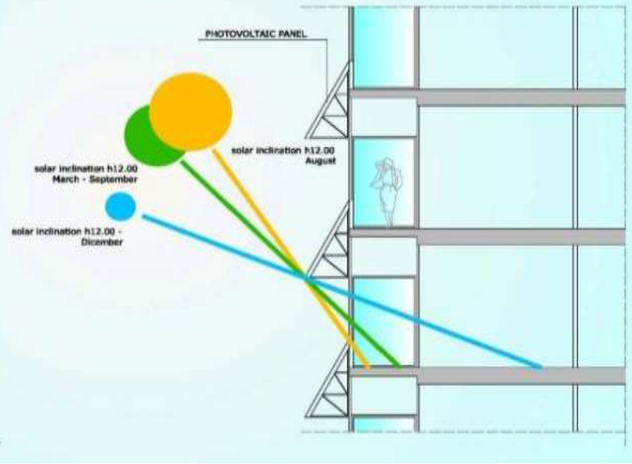
HD
HOLISTIC
DESIGN
ARCHITETTO
MAURILIO
CITTERIO

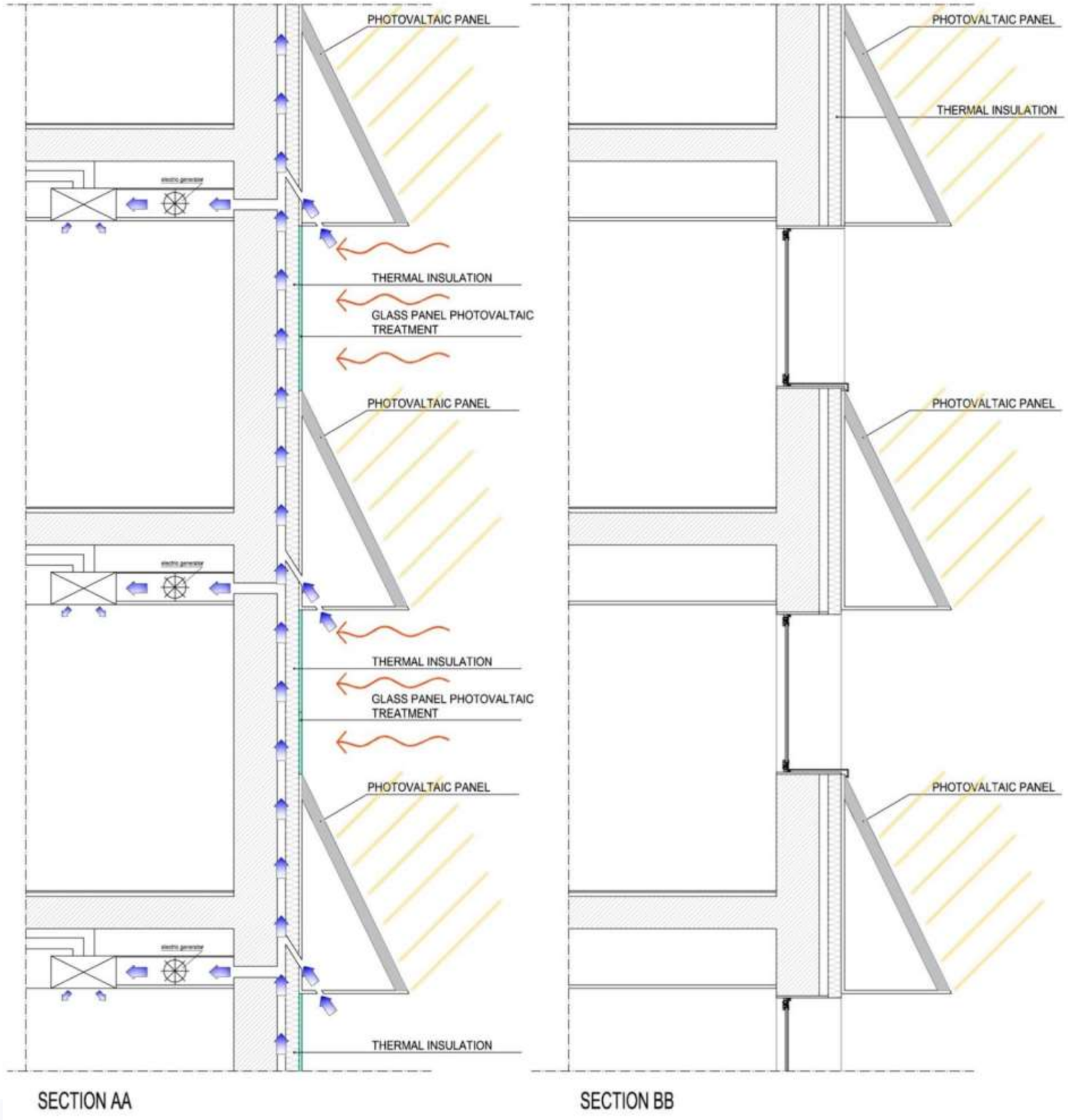
SOUTH - WEST VIEW

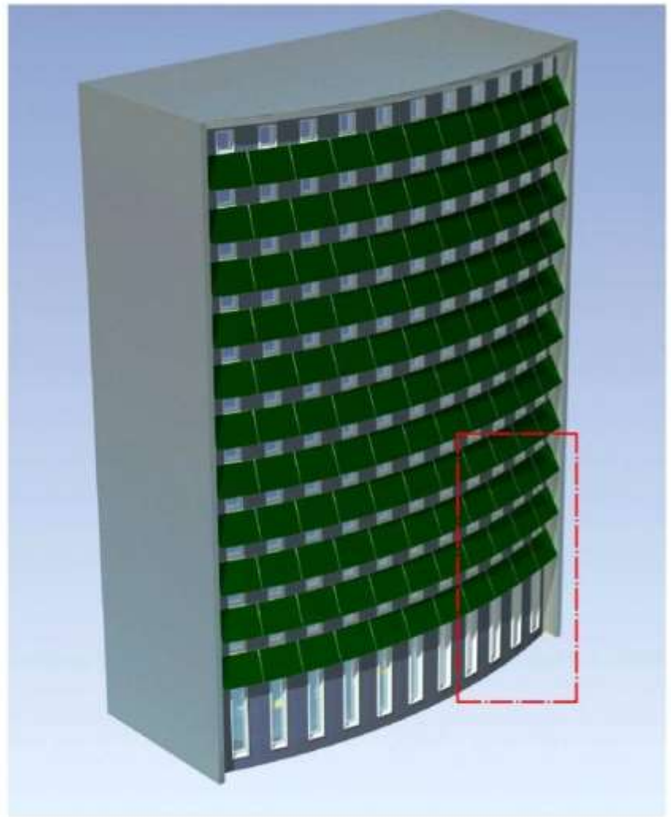
NORTH - EAST VIEW

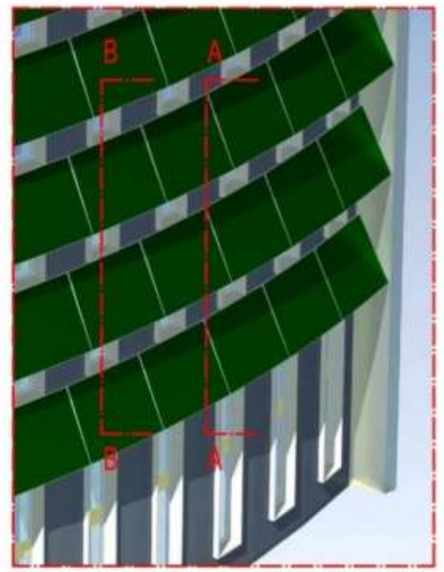
WEST VIEW





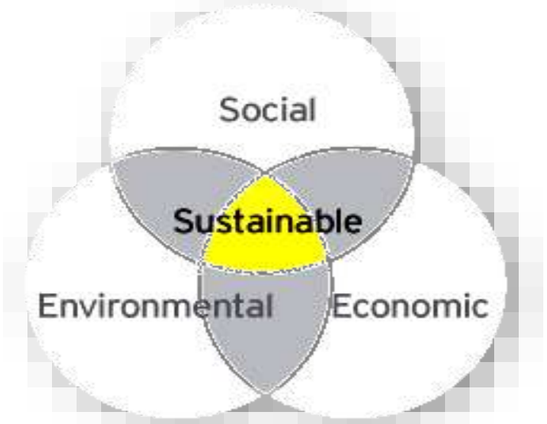

PHOTOVALTAIC PANEL
THERMAL INSULATION
GLASS PANEL PHOTOVALTAIC TREATMENT
PHOTOVALTAIC PANEL
THERMAL INSULATION
GLASS PANEL PHOTOVALTAIC TREATMENT
PHOTOVALTAIC PANEL
THERMAL INSULATION
SECTION AA
PHOTOVALTAIC PANEL
THERMAL INSULATION
PHOTOVALTAIC PANEL
PHOTOVALTAIC PANEL
SECTION BB

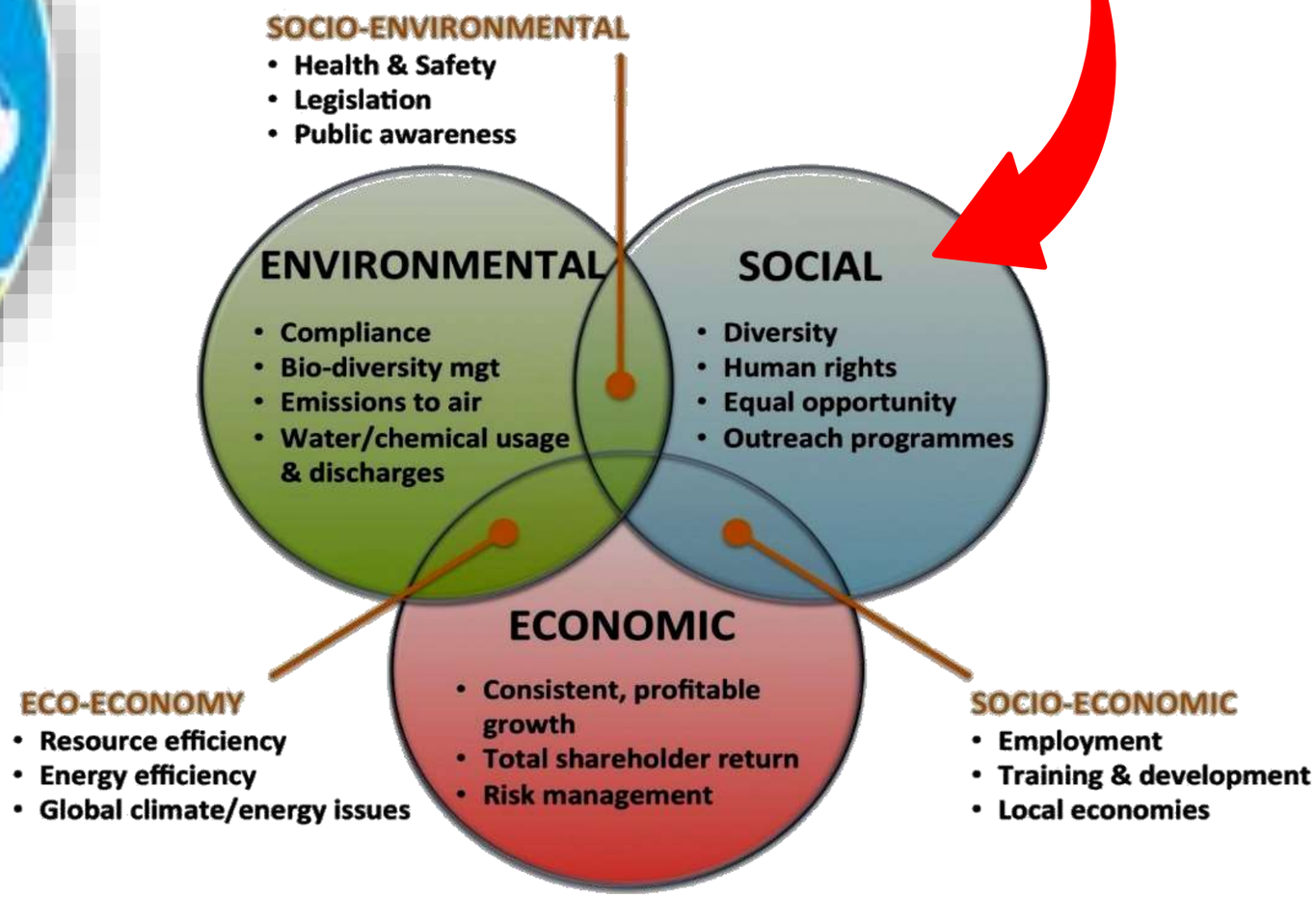



B
A
B
A

ROTATING BED

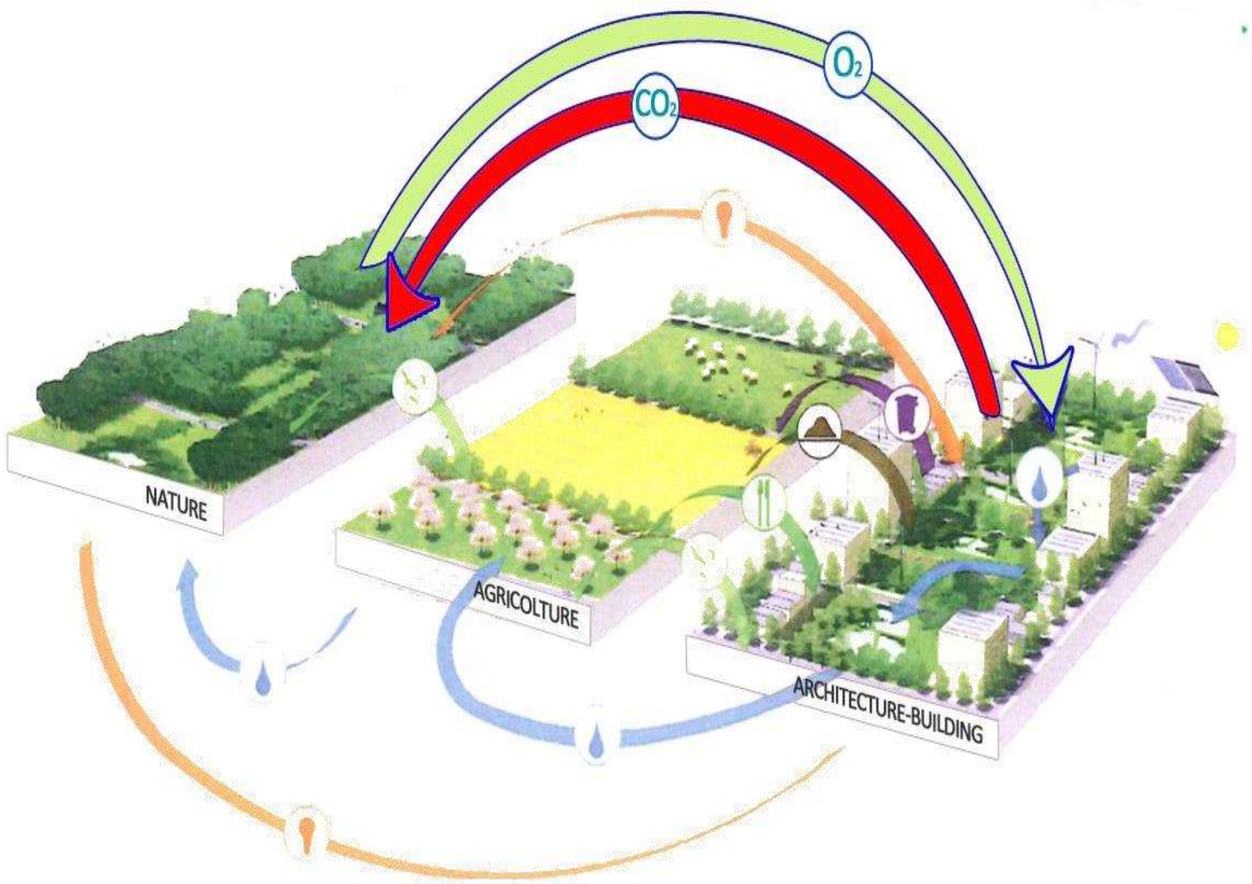

people
planet
Sustainable Business
profit

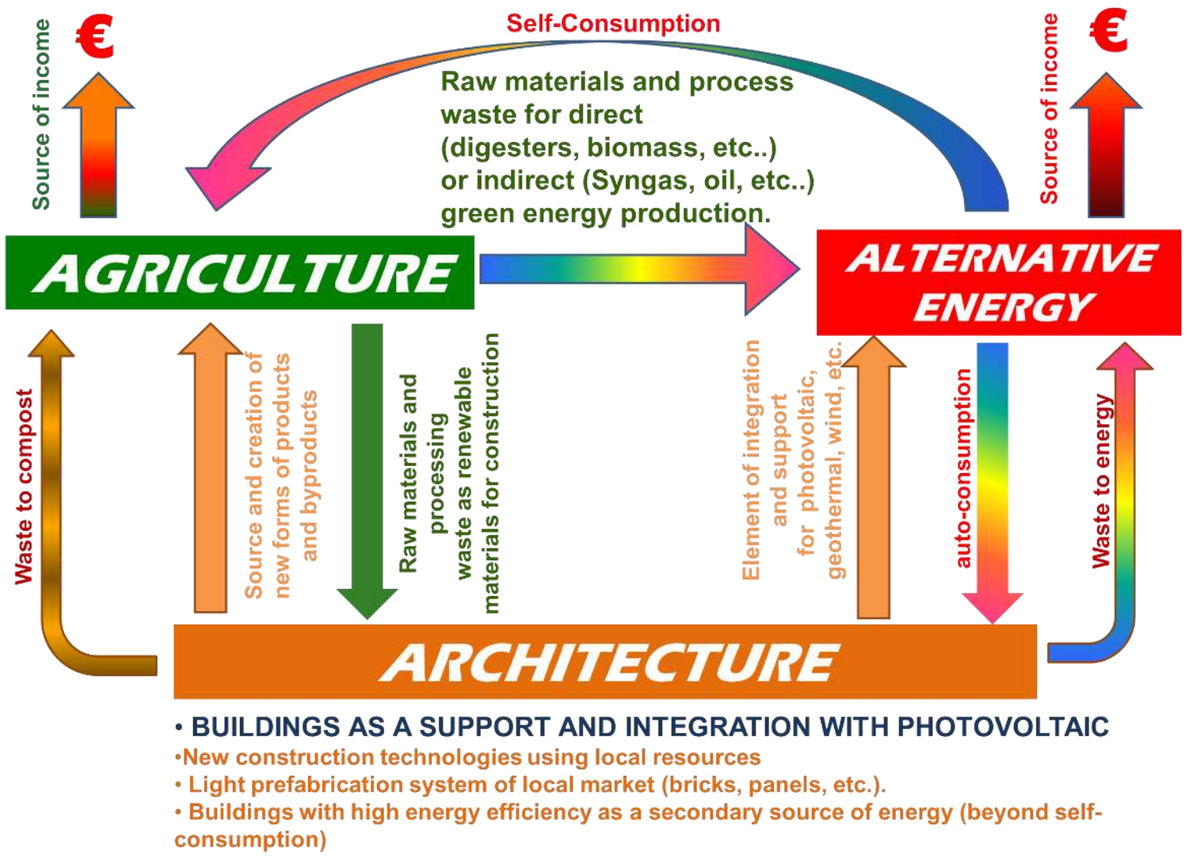

Social
Sustainable
Environmental
Economic


SOCIO-ENVIRONMENTAL
• Health & Safety
• Legislation
• Public awareness
ENVIRONMENTAL
• Compliance
• Bio-diversity mgt
• Emissions to air
• Water/chemical usage & discharges
SOCIAL
• Diversity
• Human rights
• Equal opportunity
• Outreach programmes
ECONOMIC
• Consistent, profitable growth
• Total shareholder return
• Risk management
ECO-ECONOMY
• Resource efficiency
• Energy efficiency
• Global climate/energy issues
SOCIO-ECONOMIC
• Employment
• Training & development
• Local economies

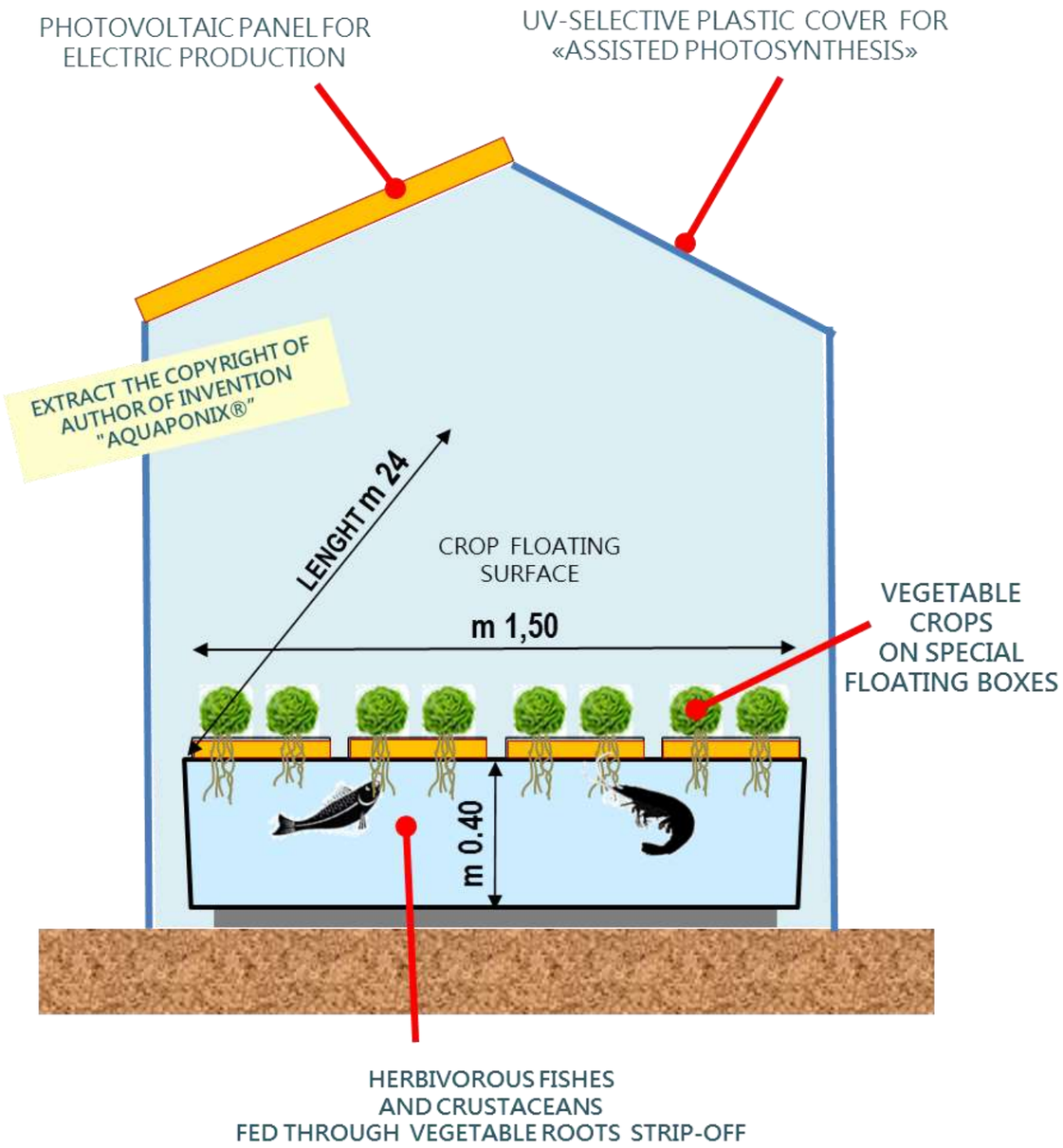
NEW MODELS OF INTEGRATED
ECO-BIO- SUSTAINABLE DEVELOPMENT

AGRICOLTURE ⟷ ARCHITECTURE





- **BUILDINGS AS A SUPPORT AND INTEGRATION WITH PHOTOVOLTAIC**
- New construction technologies using local resources
- Light prefabrication system of local market (bricks, panels, etc.).
- Buildings with high energy efficiency as a secondary source of energy (beyond self-consumption)

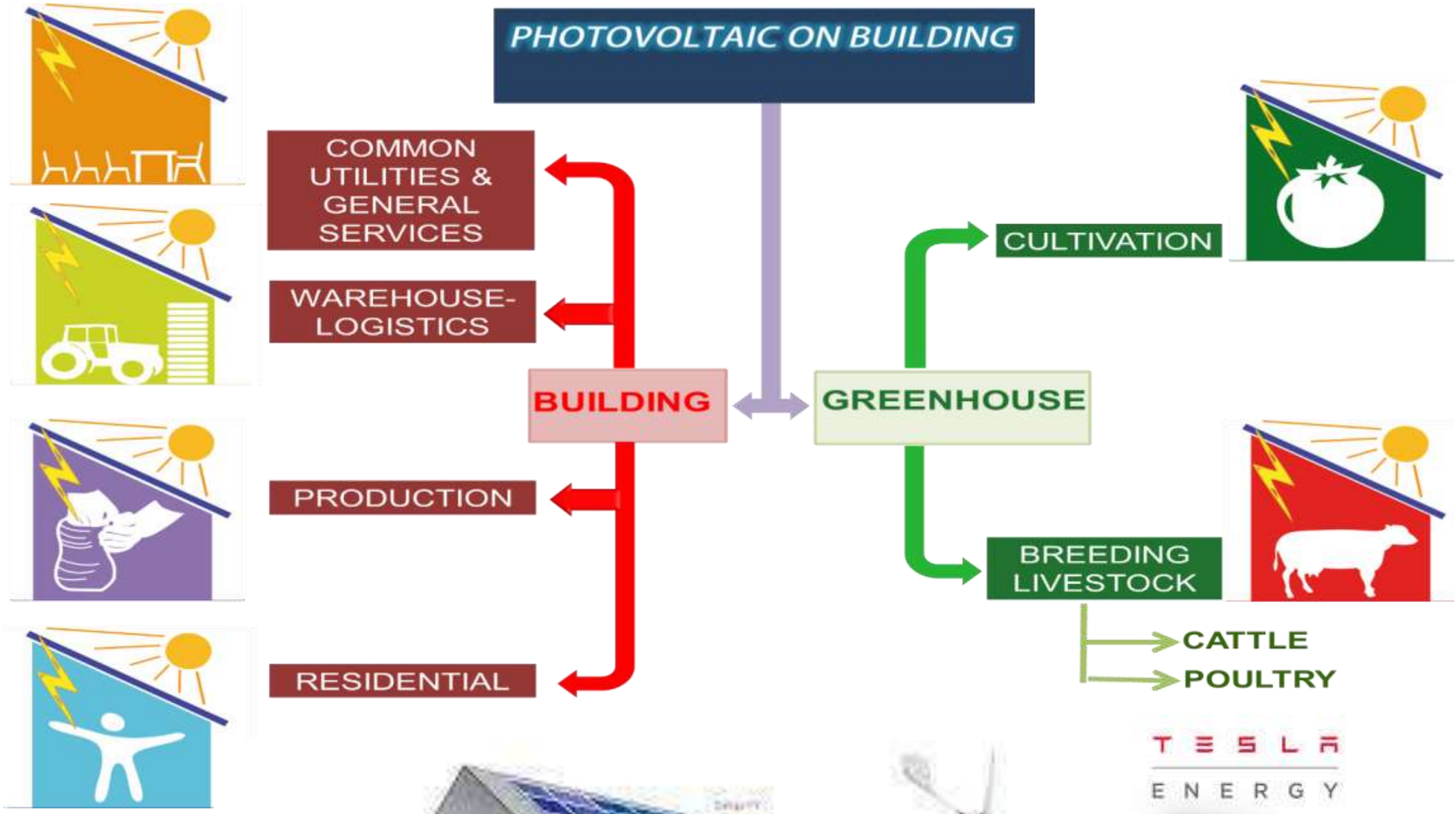


The rooting system of healthy and tasty salad plants in «Aquaponix» soiless floating crops

View of special boxes for salad production of «Aquaponix» soiless floating crops

AQUAPONIX ®© SYSTEM
High quality vegetable food production without electronic equipment

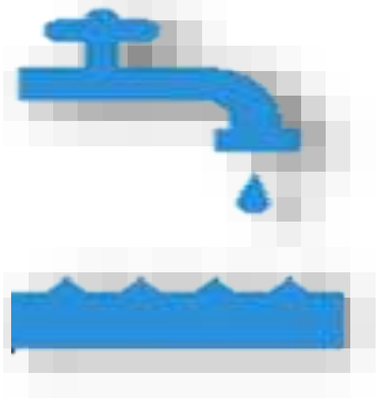
BY PROF ARIOLI ALESSANDRO

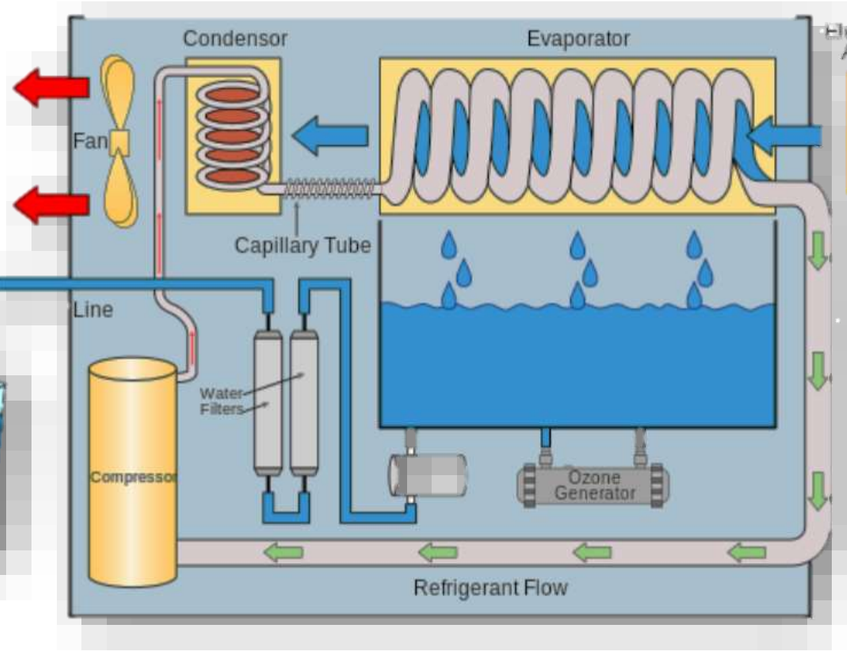

PHOTOVOLTAIC ON BUILDING
COMMON UTILITIES & GENERAL SERVICES
WAREHOUSE-LOGISTICS
PRODUCTION
RESIDENTIAL
BUILDING
GREENHOUSE
CULTIVATION
BREEDING LIVESTOCK
CATTLE
POULTRY


TESLA
ENERGY
TESLA

PHOTOVOLTAIC PANEL

COOLING CONDENSATION UNIT





Example of cooling-condensation process

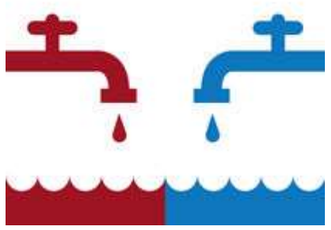
AUTOMATIC VENDING MACHINE

WATER PLANT PRODUCTION

WATER : **POTABLE = FROM THE SEA BY DESALT PLANT**
- IONIC RESINS
- COALESCENCE FILTERS
- SANITIZATION WITH OZONE

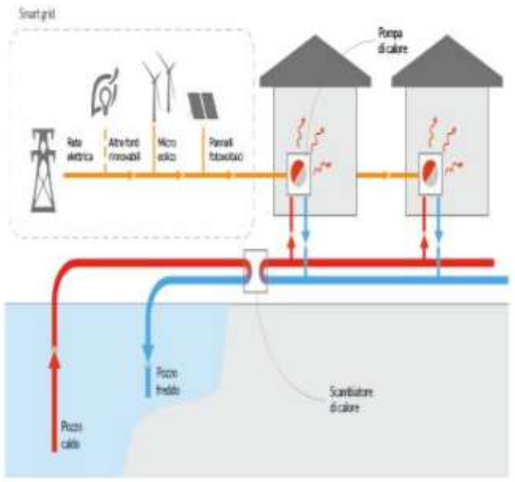
FROM AIR BY CONDENSATION

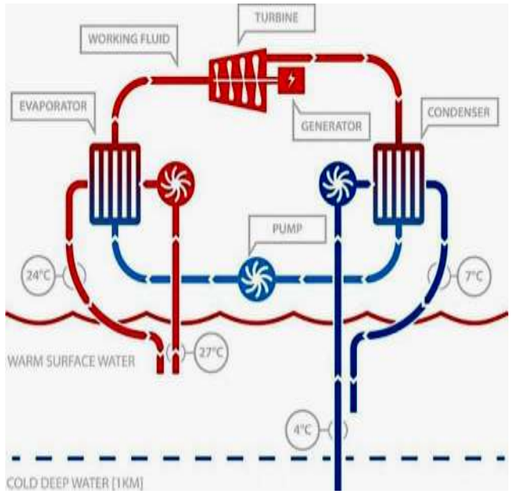
DRAINS = FROM THE SEA BY DESALT PLANT
CHEMICAL, BIOLOGICAL AND MECHANICAL SEDIMENTATION AND SANITIZATION WITH OZONE
FROM AIR BY CONDENSATION
REUSE DRAIN WATER FOR IRRIGATION



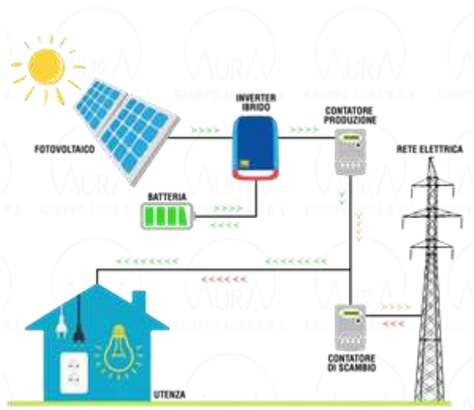
HOT WATER = SOLAR PANEL – ELECTRICAL HEAT POMP
IDRO THERMAL ENERGY FROM THE SEA

AIR CONDITIONING
- IDROTHERMAL FROM THE SEA
- ELECTRICAL HEAT POMP

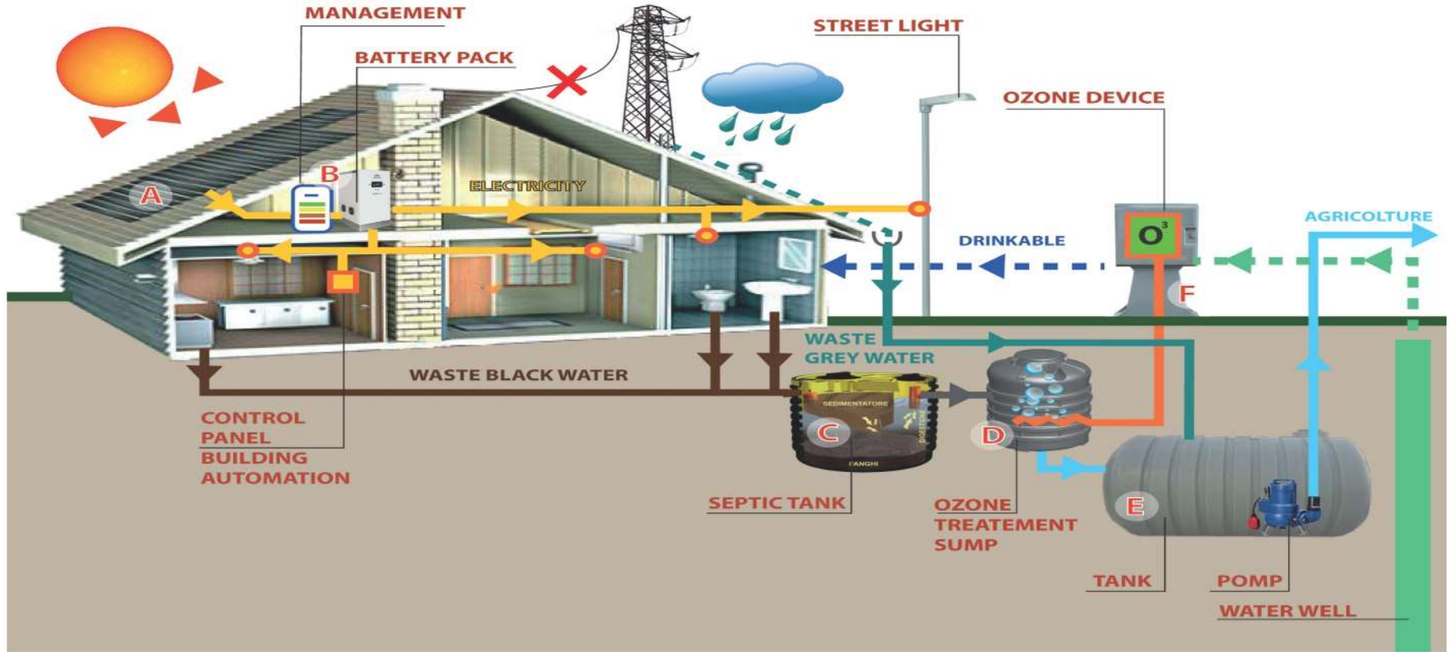


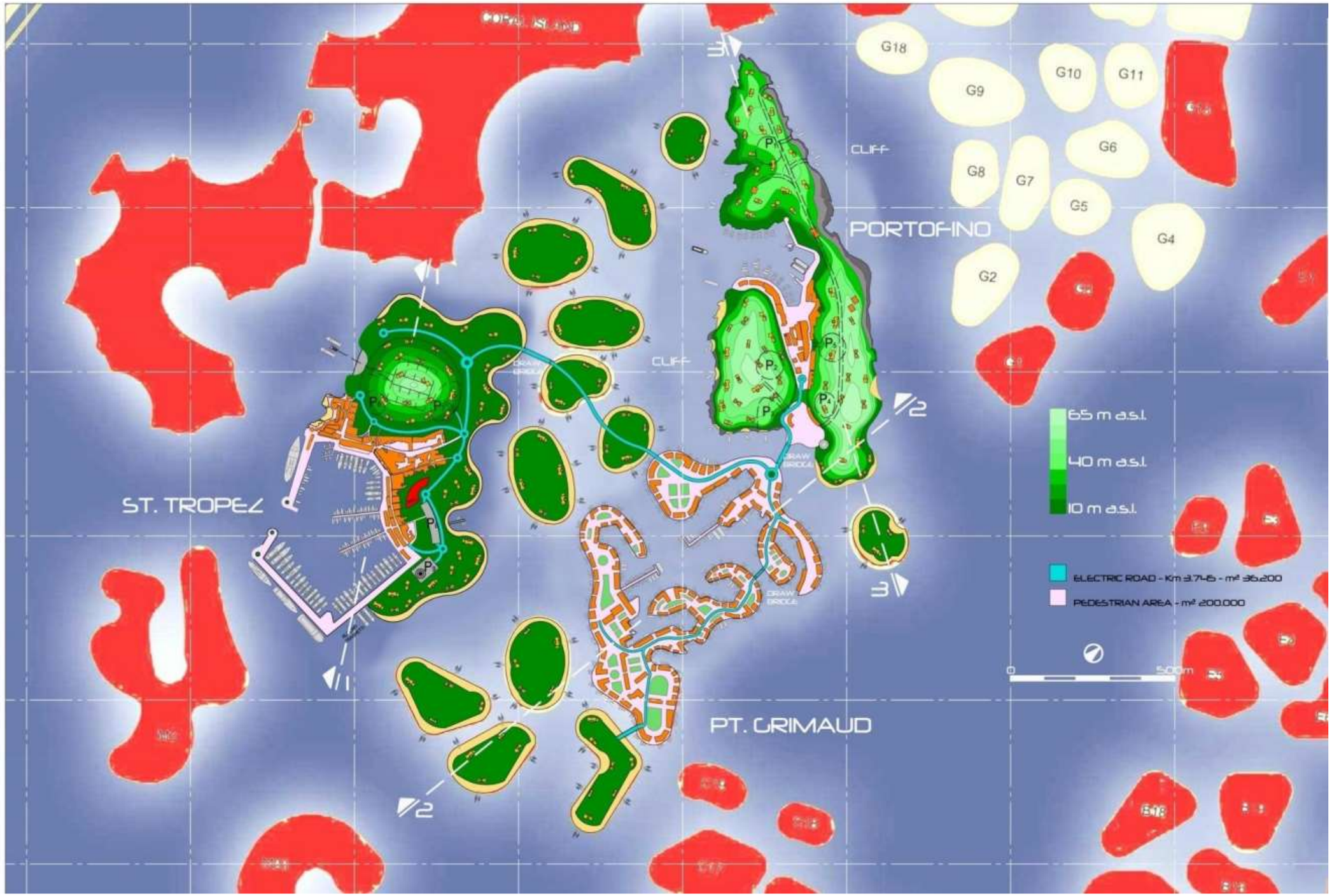


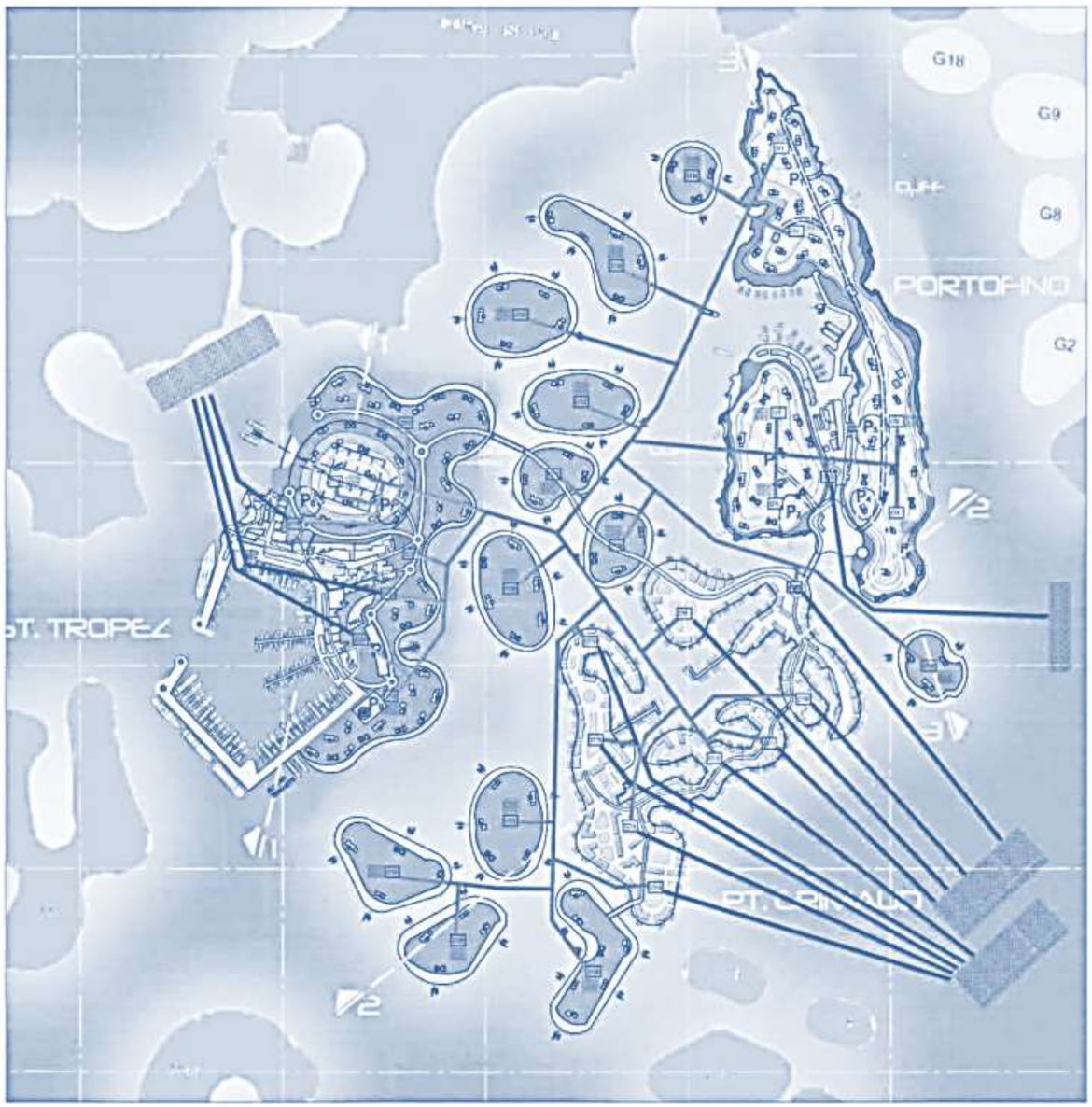
ELECTRICITY :
- **PHOTOVOLTAIC SOLAR PANEL**
- **TIDES ENERGY**
- **WASTE MANAGEMENT**
- **WIND**



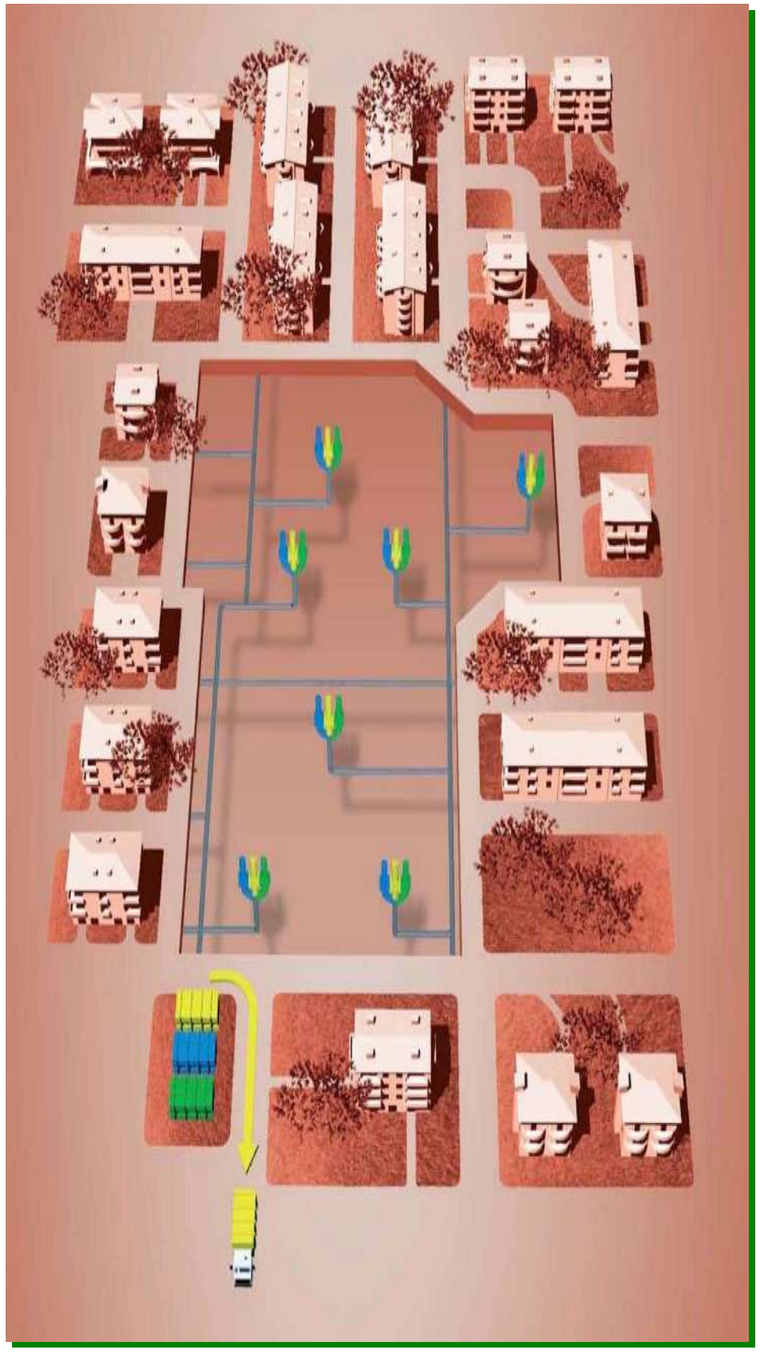

OZONE DEVICE/
CHEMICAL TREATMENT
OZONE
TREATEMENT
SUMP
O-THREE SUPPLY
AGRICULTURE
DRINKABLE
RAIN WATER
AGRICULTURE
G
O³
F
WASTE
GREY WATER
swimming pool water
treatments with ozone
C
D
E
SEPTIC TANK
TANK
WITH
POMP
SHARED TANK
WITH POMPS

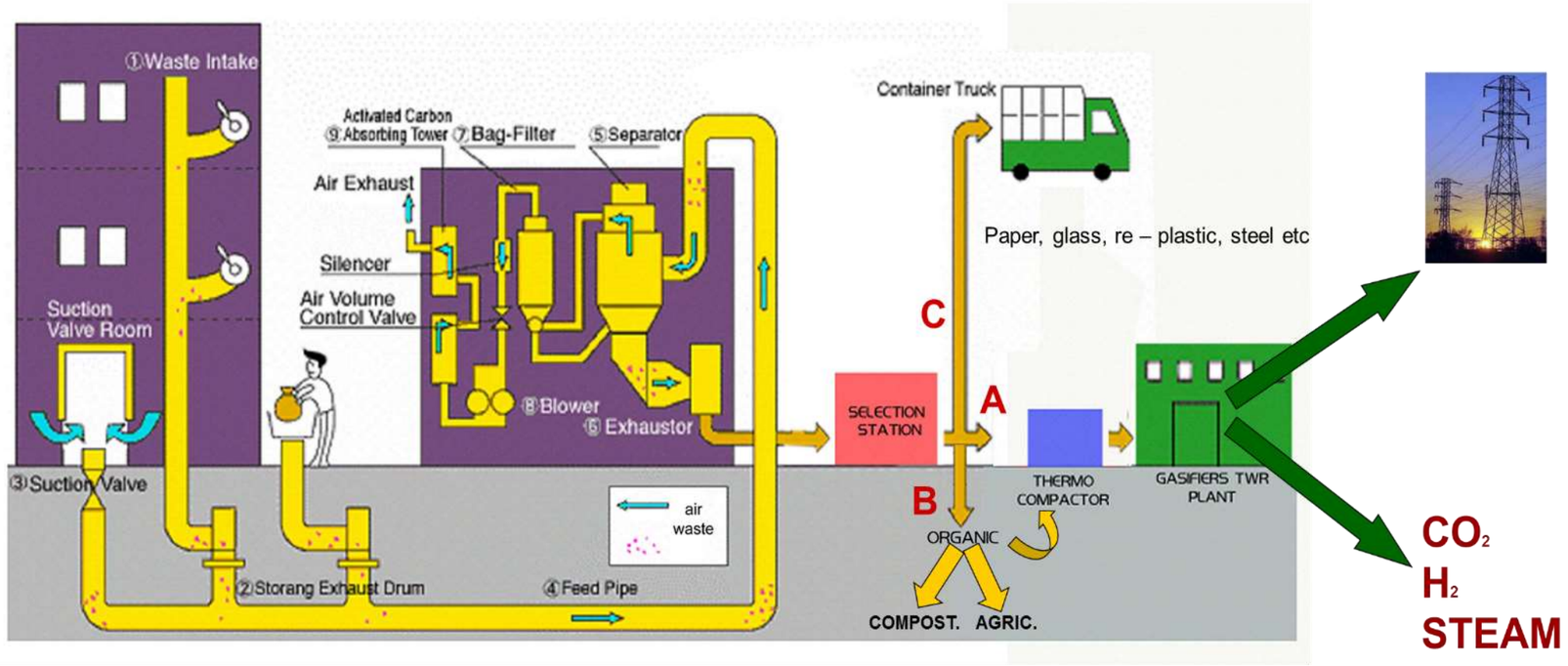

ENERGY
MANAGEMENT
BATTERY PACK
STREET LIGHT
OZONE DEVICE
A
B
ELECTRICITY
DRINKABLE
O³
AGRICOLTURE
F
WASTE
GREY WATER
WASTE BLACK WATER
CONTROL
PANEL
BUILDING
AUTOMATION
C
D
SEPTIC TANK
OZONE
TREATEMENT
SUMP
E
TANK
POMP
WATER WELL

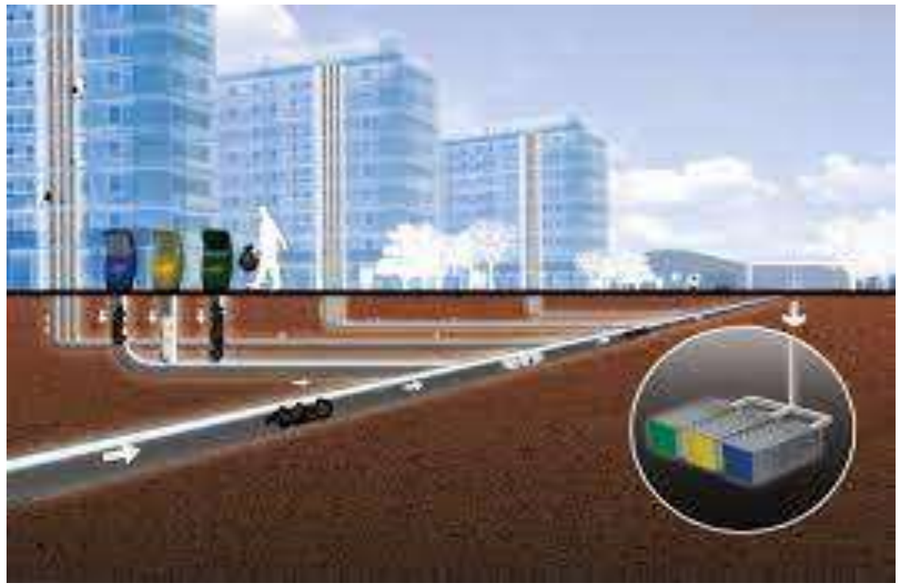

G18
G9
G10
G11
G6
G8
G7
G5
G4
G2
CLIFF
CLIFF
PORTOFINO
ST. TROPEZ
PT. GRIMAUD
65 m a.s.l.
40 m a.s.l.
10 m a.s.l.
ELECTRIC ROAD - Km 3.745 - m² 36.200
PEDESTRIAN AREA - m² 200.000
0
500m

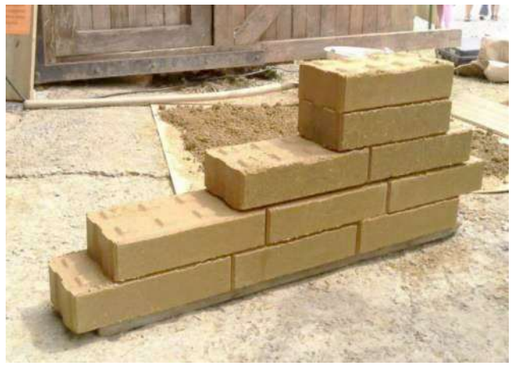

CORAL ISLAND
G18
G9
G8
G2
PORTOFINO
ST. TROPEZ
PT. GRIMAUD


CORAL ISLAND
G18
G9
G8
G2
PORTOFINO
ST. TROPEZ
PT. GRIMAUD
RETE ELETTRICA MT




①Waste Intake
Activated Carbon
⑨Absorbing Tower
⑦Bag-Filter
⑤Separator
Air Exhaust
Silencer
Air Volume
Control Valve
Suction
Valve Room
⑧Blower
⑥Exhaustor
③Suction Valve
②Storang Exhaust Drum
④Feed Pipe
air
waste
Container Truck
Paper, glass, re – plastic, steel etc
C
A
B
SELECTION
STATION
THERMO
COMPACTOR
GASIFIERS TWR
PLANT
ORGANIC
COMPOST.
AGRIC.
CO2
H2
STEAM





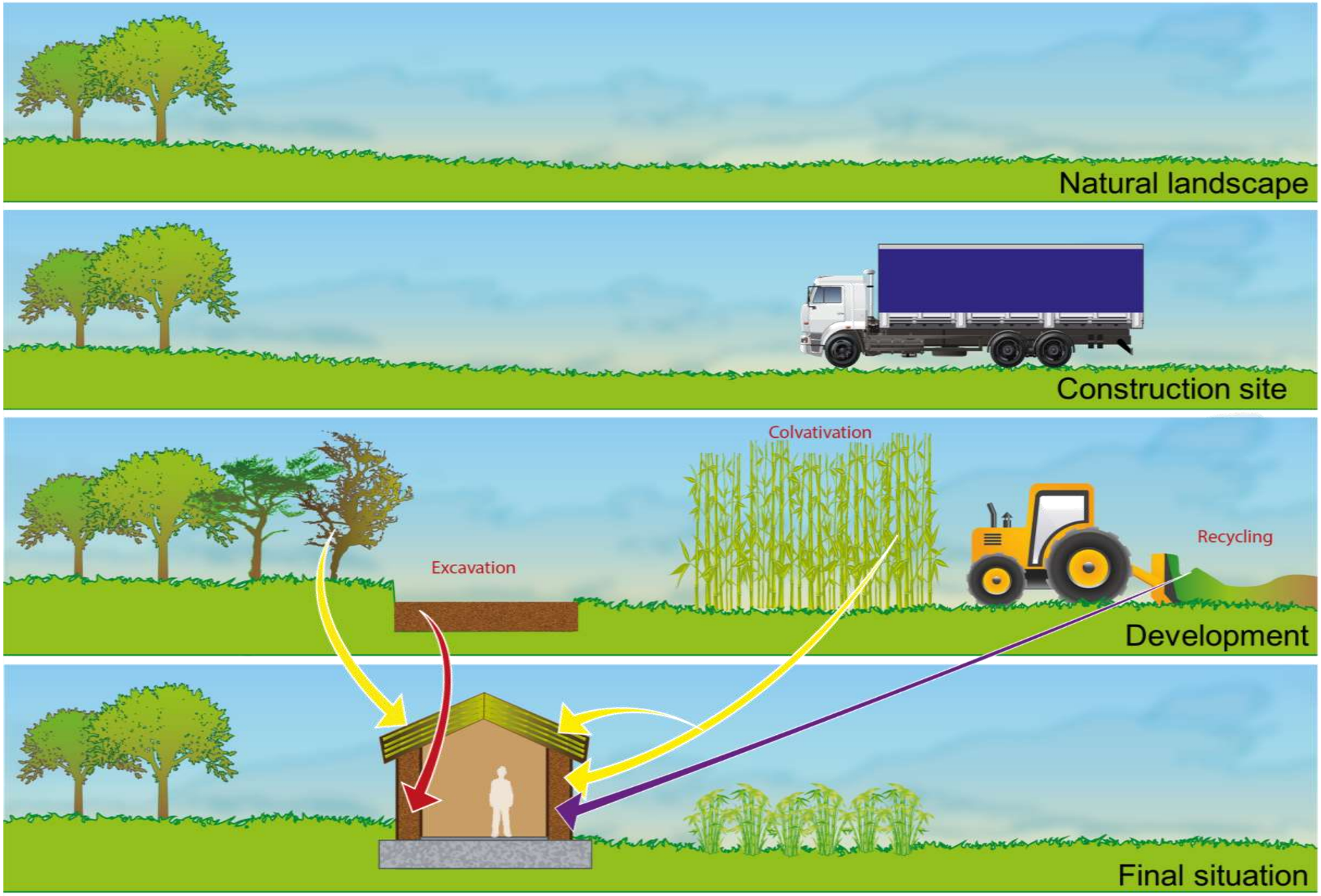







Soil analysis
Sifting
Mixing
Training
Pressing
Exclusive
2 PATENTS




Natural landscape
Construction site
Colvativation
Excavation
Recycling
Development
Final situation

WASTE TO ENERGY

WASTE TO ENERGY

In cooperation with Foster Wheeler, Merloni Progetti. Italprogetti Impianti some international tender for new SUW (Solid Urban Wastes) **INCINERATOR TECHNOLOGY PLANT** for:

1. **TONAR (MOSCOW)**
2. **A2A BRESCIA**
3. **AEM MILAN**
4. **UDINE**
5. **LA SPEZIA**
6. **LOMELLINA PAVIA**

In cooperation with Polimi - University of Milan waste management through transport and storing systems applied to SUW (Solid Urban Wastes) with **PYROGASIFICATION TECHNOLOGY PLANT** for:

7. **HMM** – DUBAI – FALCON BAY PROJECT.
8. **BEN TREE PROVINCE** – VIETNAM
9. **NOVI SAD** – SERBIA.
10. **DOBRICH** – BULGARIA

In cooperation with Italian and international partners

11. **IRAN** – various locations for the redevelopment of waste disposal with **PYROGASIFICATION TECHNOLOGY PLANT**

GREEN CITY and SOCIAL HOUSING

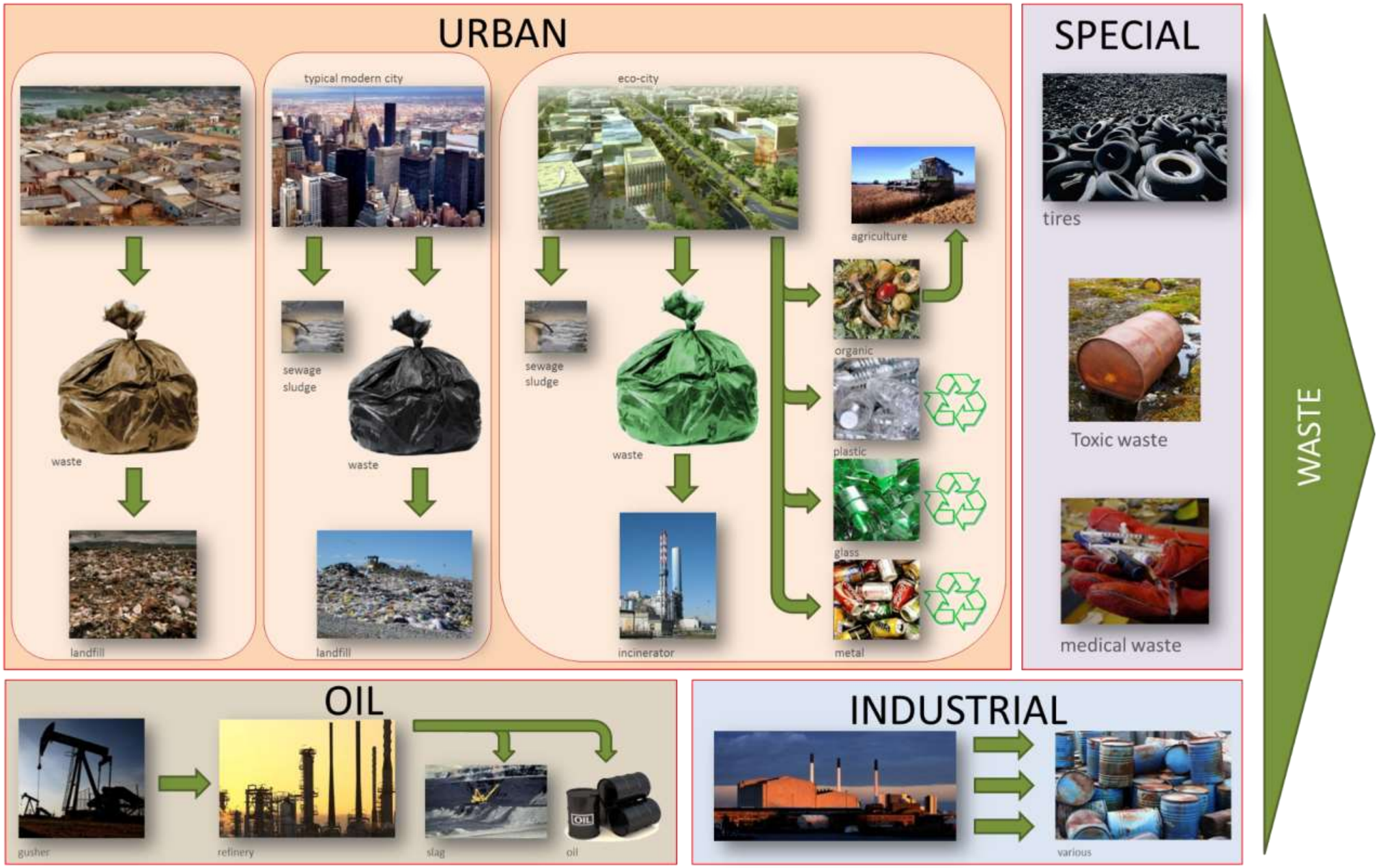
1. **HMM** – Dubai – Falcon Bay Project – new city of 100.000 inhabitants, energy self-sufficient
2. **FUTURE OF AFRICA PROJECT** - Burkina Faso - Ouagadougou - social housing neighborhood
3. **social housing neighborhood energy self-sufficient** TANZANIA
4. **eco–village and tourist complex - energy self-sufficient -** DAHLAK ISLANDS - - ERITREA
5. **new city energy self-sufficient** - AL NOOR – SIRIA -
6. **social housing neighborhood** -KHAOLAK - SENEGAL
7. **social housing district** -SOMALIA – MOGADISCIO -

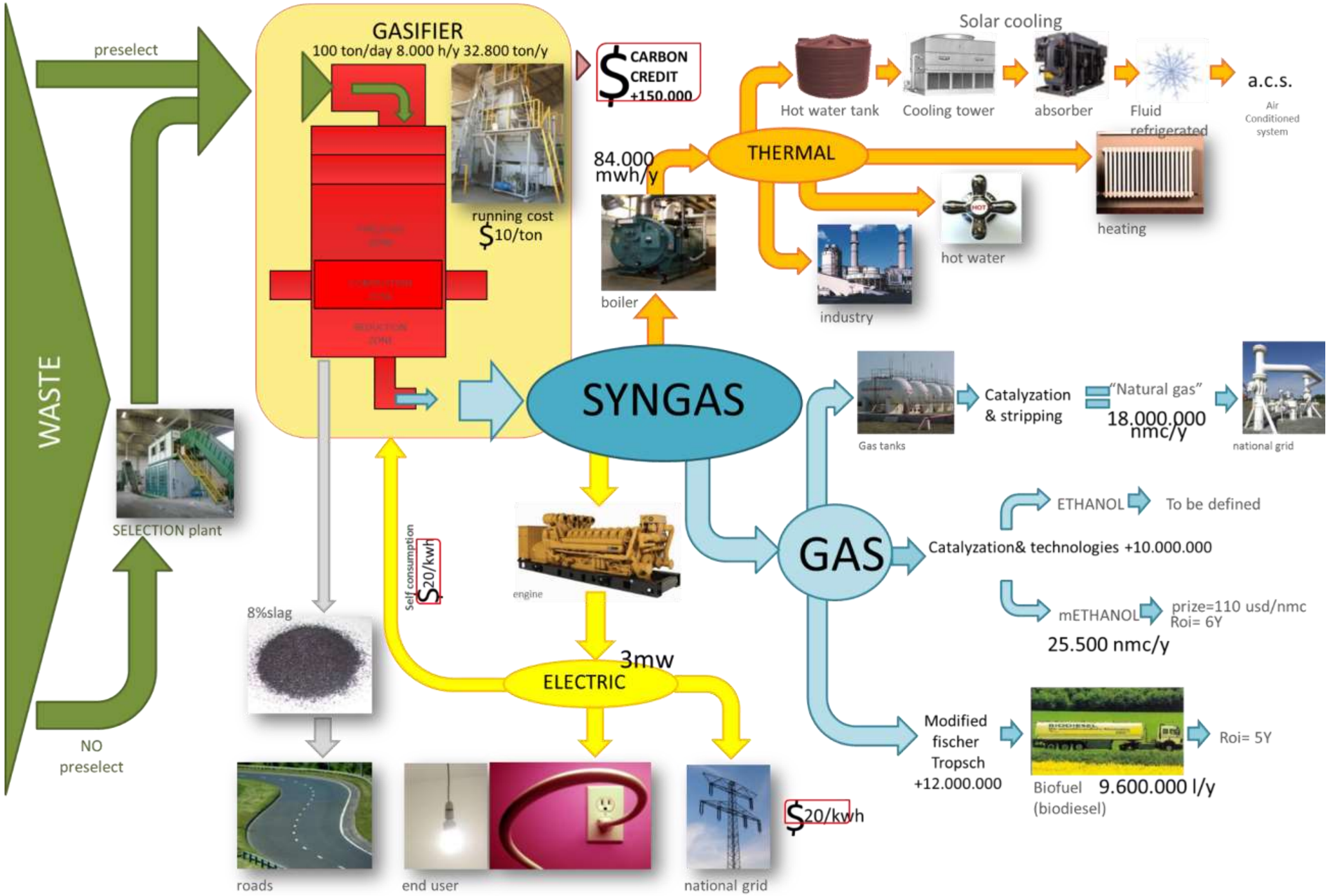
CONCEPT

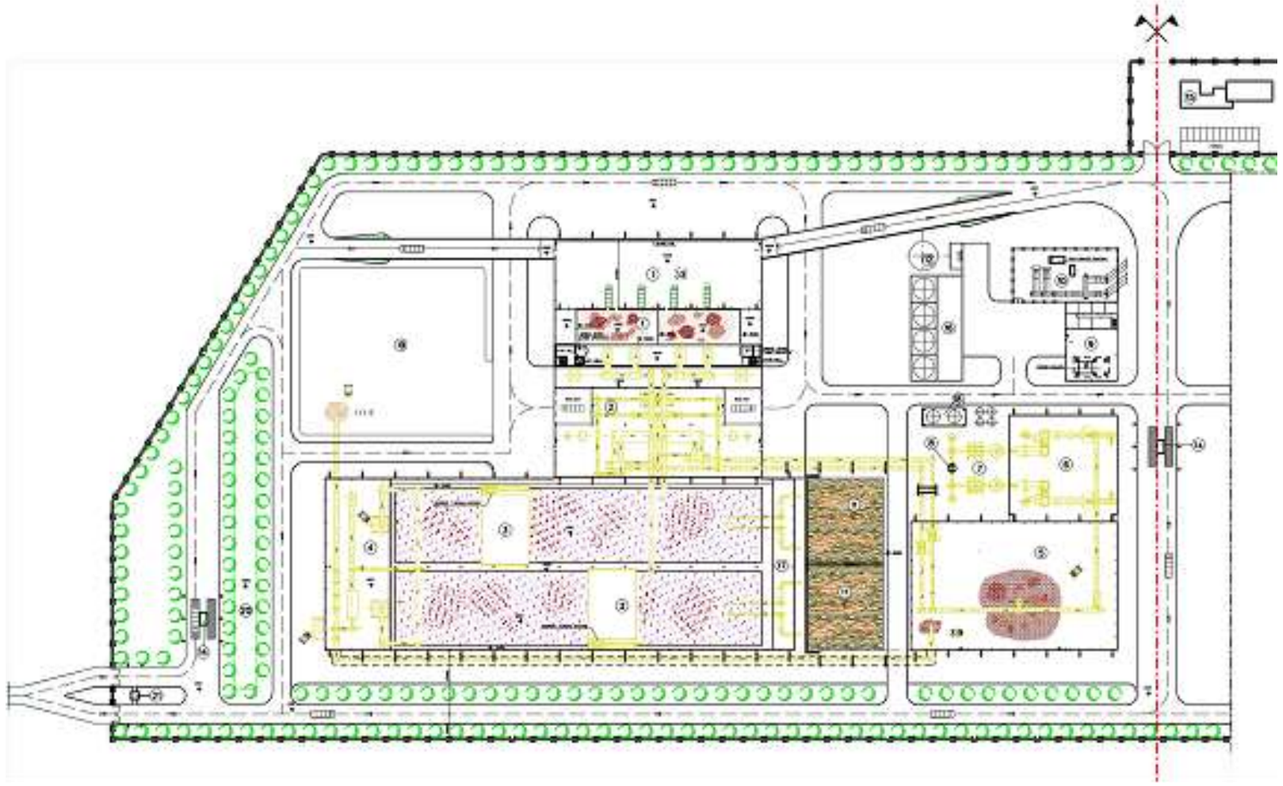
1. **AAA VILLAGE** Agriculture – Architecture – Alternative energy = New construction technologies for buildings with high energy efficiency, using local resources, renewable products, light prefabrication system and reuse agriculture process waste

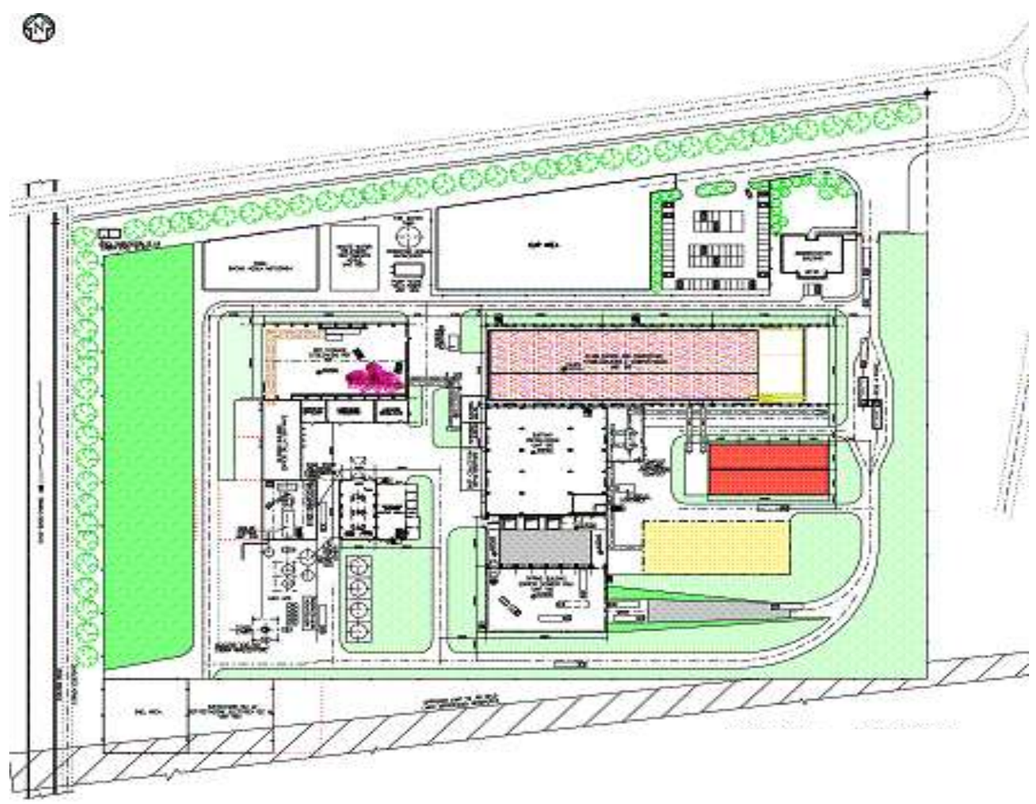
2. **MADRE PROJECT MALDIVES**
   Concept, master plan and feasibility study for a new accommodation model based on energy self-sufficiency and zero km food production with low environmental impact

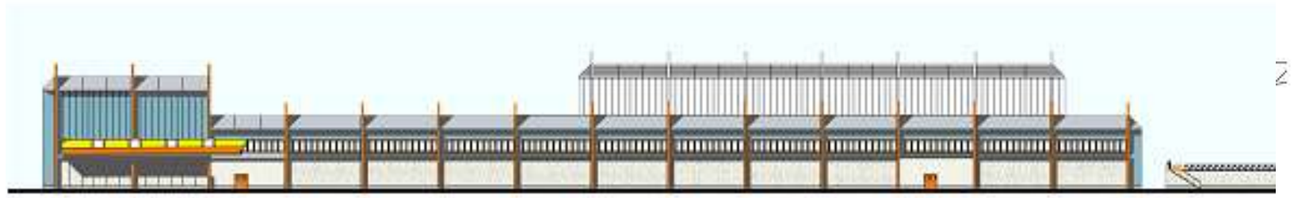
3. **HMM** SHEIK MANA BIN HASHER GROUP OF COMPANY
   HAFIC HOLISTIC AGRI FOOD INTEGRATED COMPLEX DUBAI
   Concept, master plan and feasibility study for a new zero km food production model in arid areas with minimal environmental impact


URBAN
typical modern city
eco-city
waste
waste
waste
sewage sludge
sewage sludge
landfill
landfill
incinerator
agriculture
organic
plastic
glass
metal
SPECIAL
tires
Toxic waste
medical waste
WASTE
OIL
gusher
refinery
slag
oil
INDUSTRIAL
various

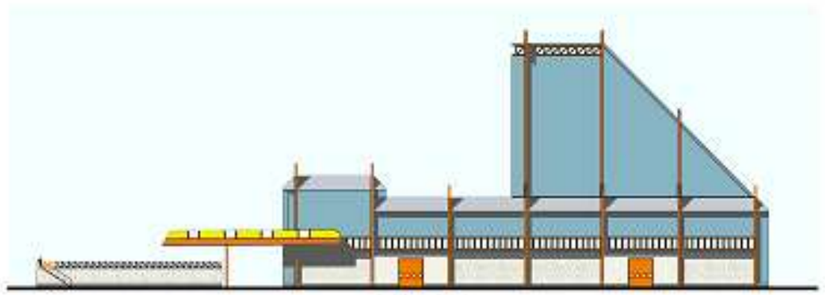

WASTE
preselect
GASIFIER
100 ton/day 8.000 h/y 32.800 ton/y
$ CARBON CREDIT +150.000
running cost
$10/ton
Solar cooling
Hot water tank
Cooling tower
absorber
Fluid refrigerated
a.c.s.
Air Conditioned system
84.000 mwh/y
THERMAL
boiler
industry
hot water
heating
SYNGAS
Gas tanks
Catalyzation & stripping
"Natural gas"
18.000.000 nmc/y
national grid
SELECTION plant
NO preselect
Self consumption $20/kwh
engine
GAS
ETHANOL
To be defined
Catalyzation& technologies +10.000.000
mETHANOL
prize=110 usd/nmc
Roi= 6Y
25.500 nmc/y
8%slag
3mw
ELECTRIC
Modified fischer Tropsch +12.000.000
Roi= 5Y
Biofuel 9.600.000 l/y
(biodiesel)
roads
end user
national grid
$20/kwh



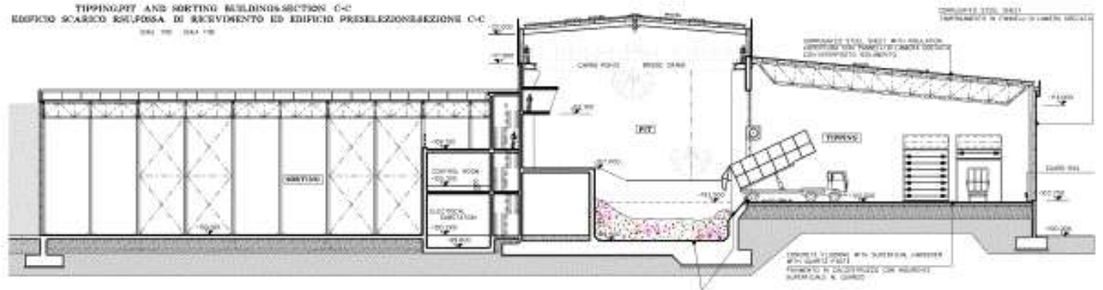


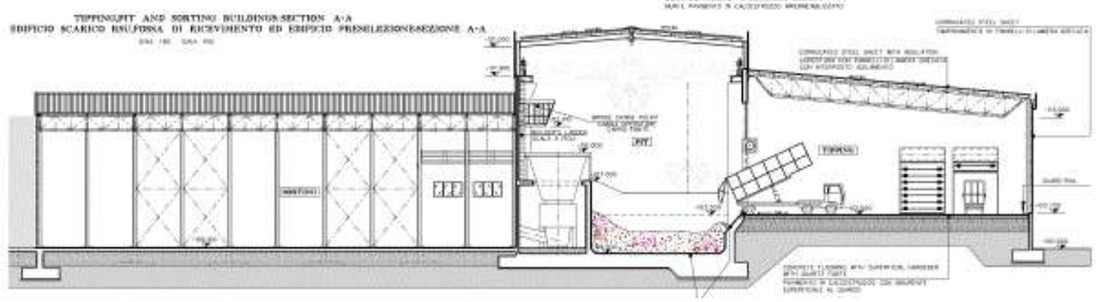


EAST VIEW -A-



EAST VIEW -B-

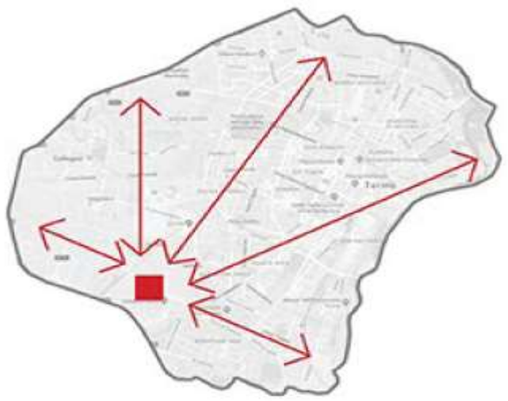




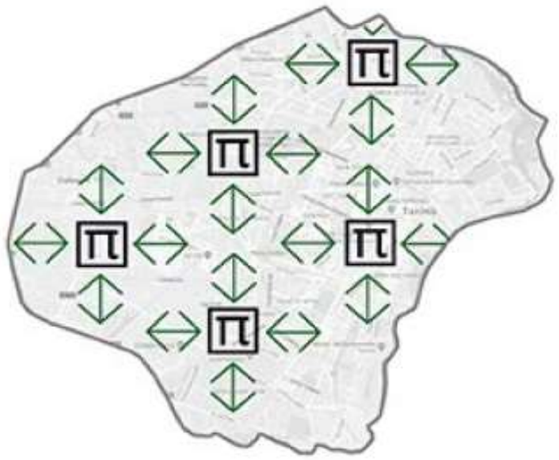
The system philosophy is based on distributed small plant concept in which the refuse is treated close to the production area, to avoid :

- health hazard
- bad smell
- transportation pollution and costs

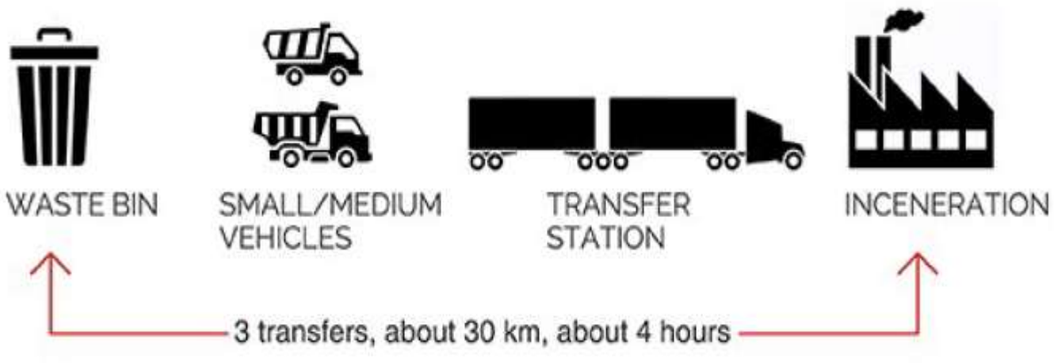
CONCENTRATED STRATEGY



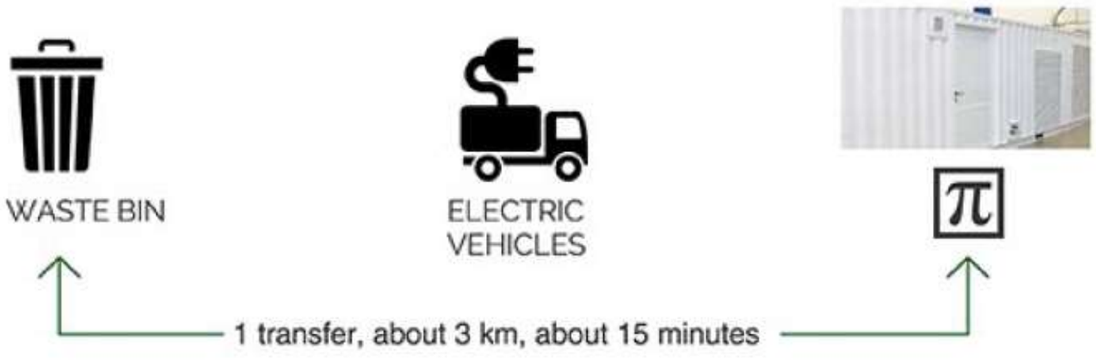
DISTRIBUTED STRATEGY



CONCENTRATED PLANT - LOGISTIC



DISTRIBUTED PLANT - LOGISTIC




50
120
40
20
40
20
20
180
80
STOCK
1.100 sqm
PRE - STOCK
3.600 sqm
LOADING DECK
TANKS
REACTORS
480 sqm
EVENTUALLY EXPANSION
MAIN ENTRANCE
YARD
9.400 sqm
DISPOSAL
250 sqm
OFFICE ABOVE
GENERATORS
900 sqm
ELECT. SUBST.
380 sqm
WATER TREAT.
380 sqm
SERVICES
580 sqm
210
AREA LOT (MIN) 37.800 sqm
0
10
20
40m

Global eletrical efficiency (yield) : 20-25%*

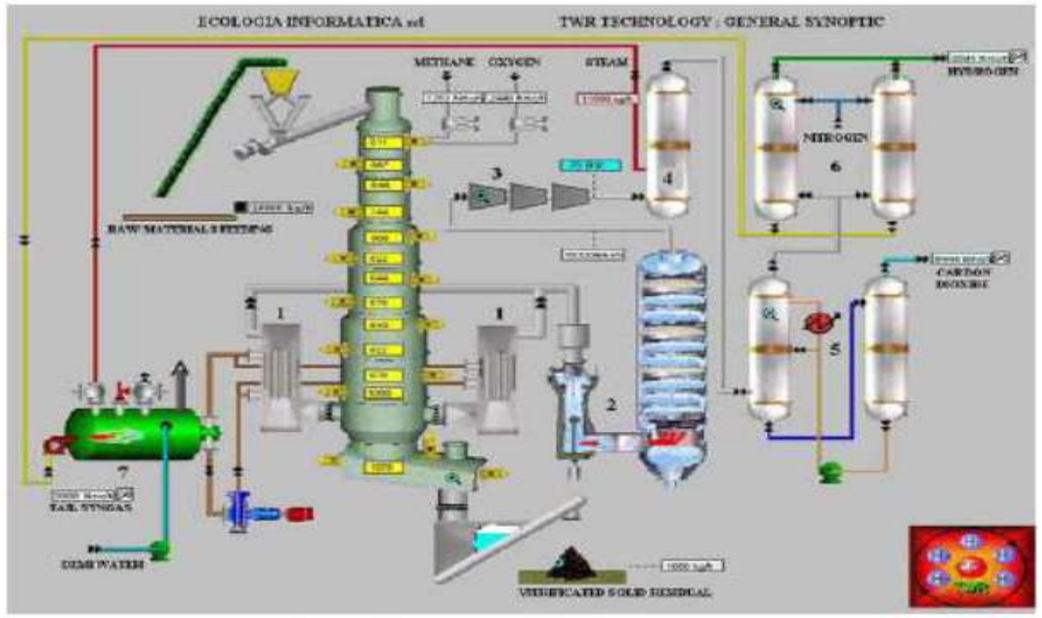
Feeding

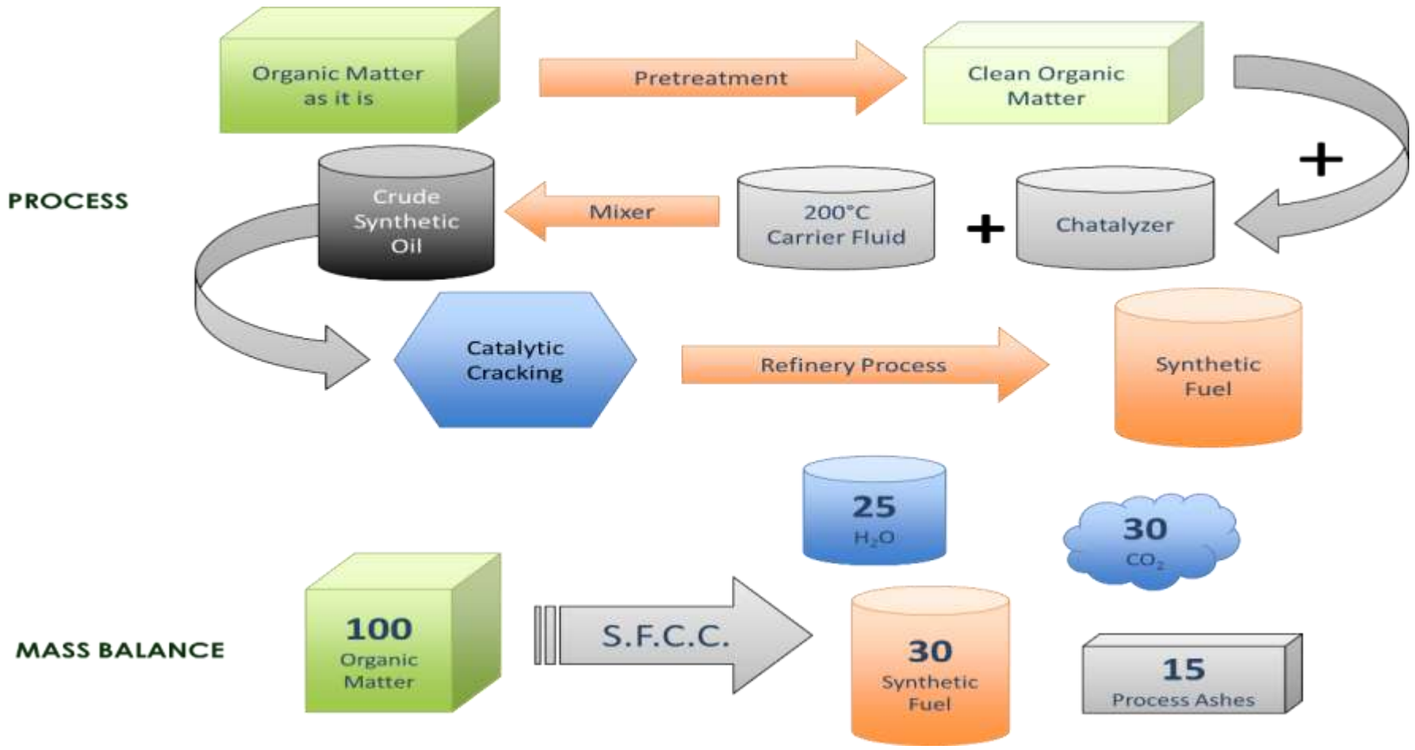
Gasifiying

Gas cleaning

Power generation

Biomass (Resídue)	Syngas	Eletricity
100 T/day * 2800 Kcal/kg	System efficiency 75% (cold gas)	Electrical yield (engine genset) 30%
~13 Mwth	~10 Mwth	~3 Mwelec + thermal





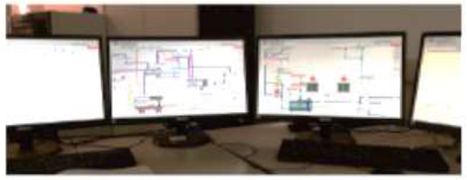
PRIMARY MIXER

EMERGENCY TANK

CRACKING AREA

SWITCHBOARD ROOM

DISTILLATION COLUMN



CONTROL ROOM

Advanced BioFuel Technology

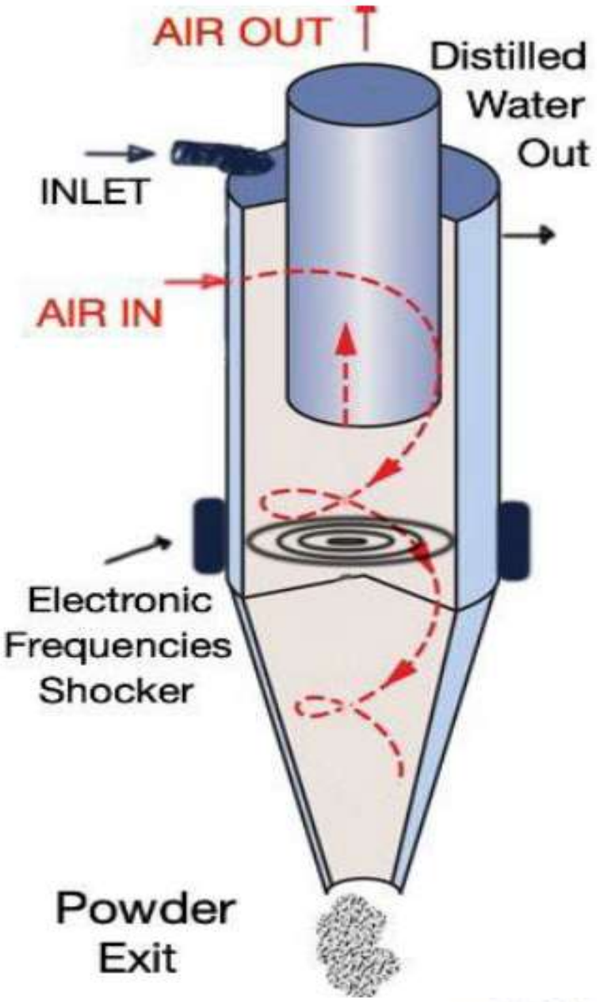
THE S.F.C.C.

TECHNOLOGY

SYNTHETIC FUEL

CATALYTIC CRACKING

OMPECO


AIR OUT
Distilled
Water
Out
INLET
AIR IN
Electronic
Frequencies
Shocker
Powder
Exit

UNSORTED SOLID WASTE

PLASTIC WASTE

CLINIC WASTE

AGRICULTURAL WASTE

FOOD WASTE

STERILIZE
DEHYDRATE
PULVERIZE

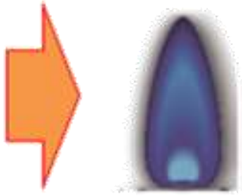
REUSE OF WASTE FOOD

STERILIZE
DEHYDRATE
PULVERIZE

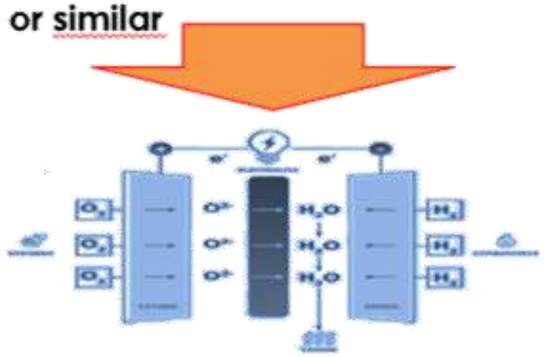
NO SORTING
NO PRETREATMENT
NO SCREENING
ARE REQUIRED

NO NOISE
NO SMELLS
NO POLLUTION
NO WASTE

SMOLDERING
TECHNOLOGY
or similar



SYN GAS



FUEL CELL
HYDROGEN
TECHNOLOGY
or similar

ELECTRICAL
PRODUCTION

ENERGY EFFICIENCY - SYENERGY

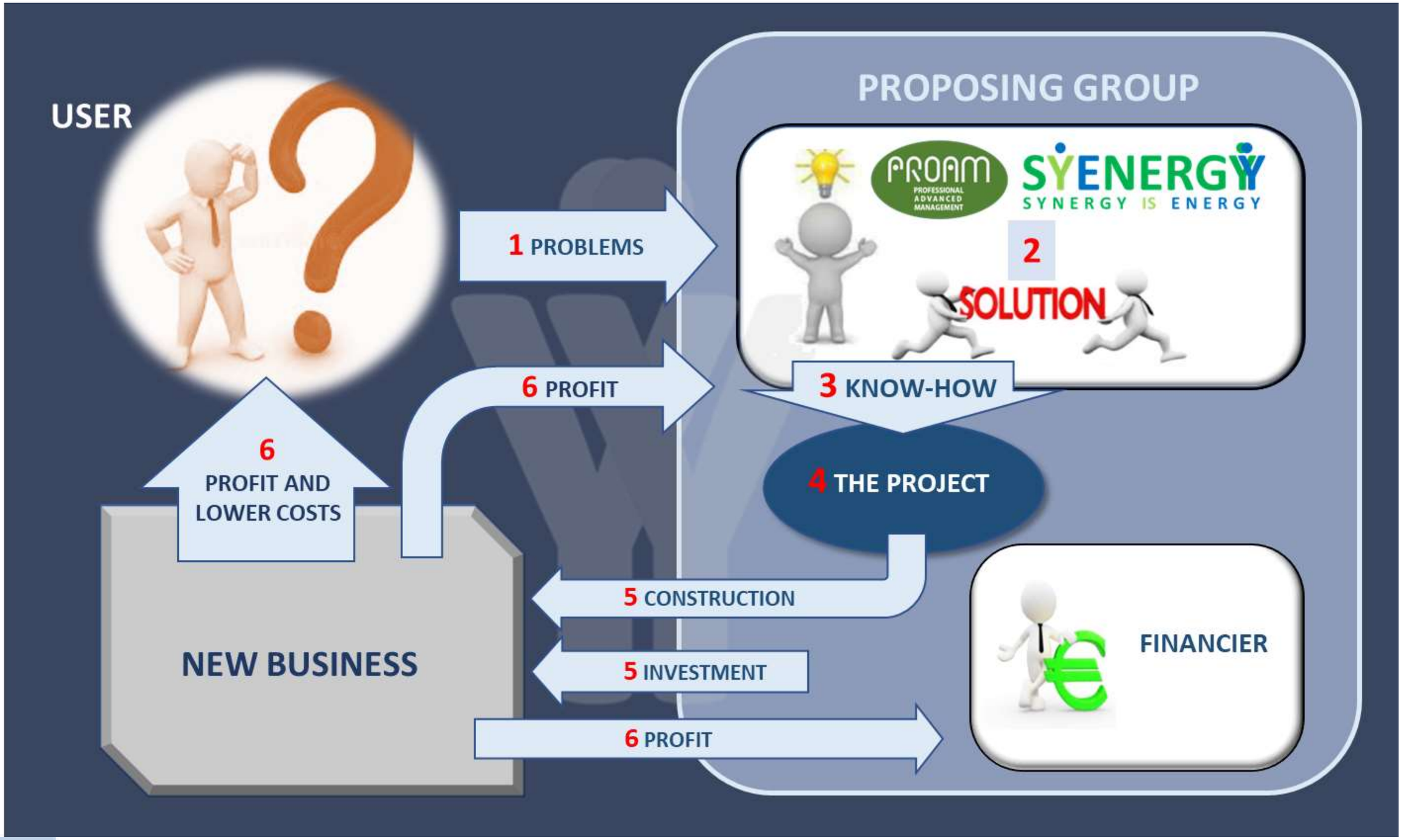
ENERGY EFFICIENCY

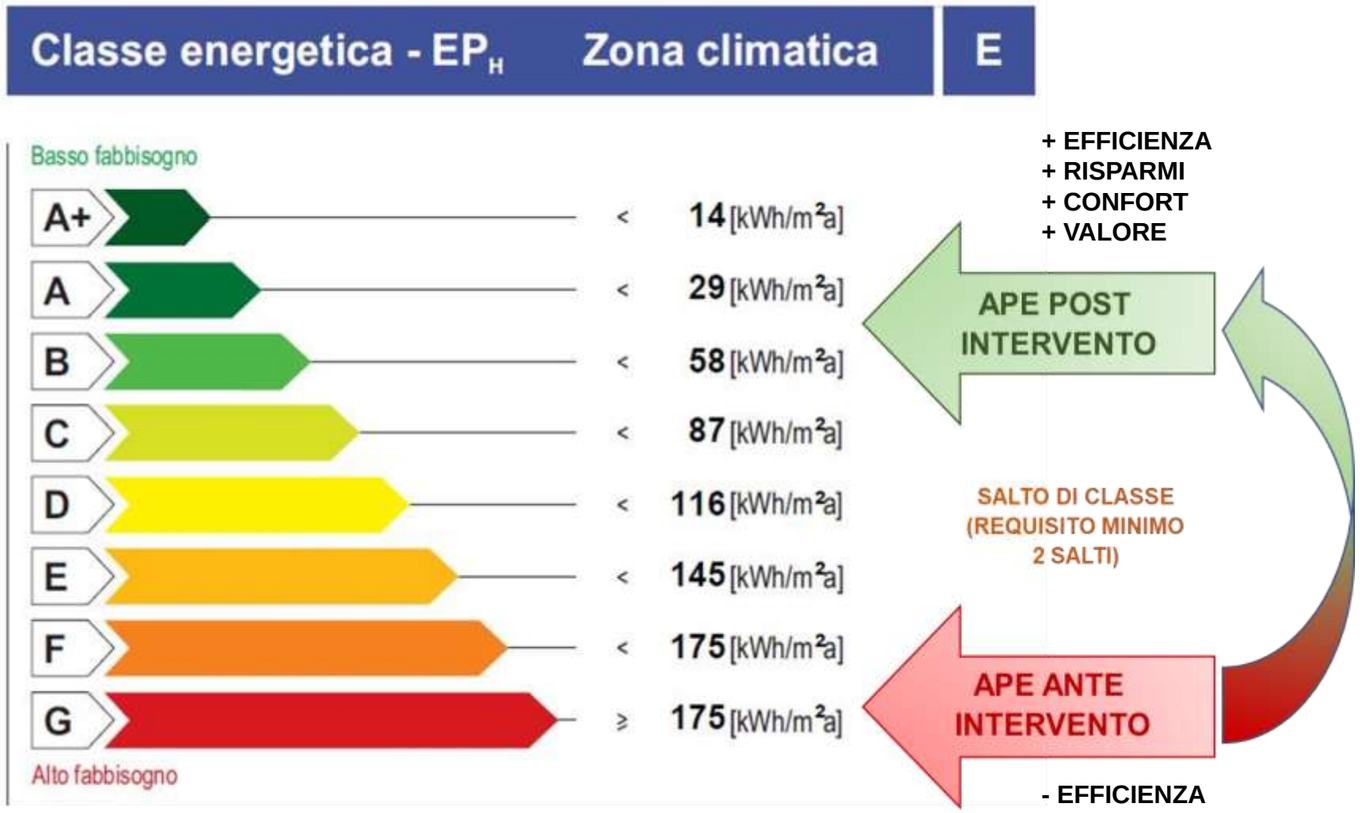
MANY DESIGNS for shopping center, multifunction complex and residential condominium.

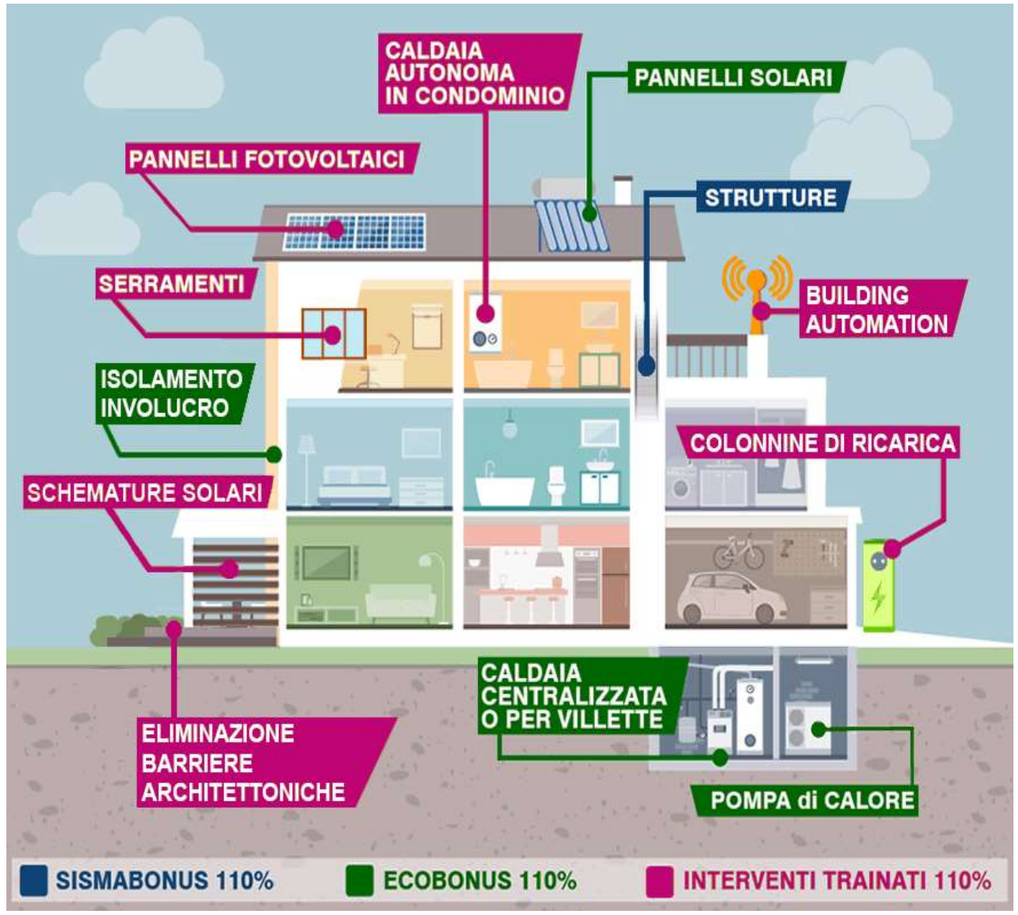
1. **LEROY MERLIN**
   Analysis, evaluation of processes and DESIGNS for the energy efficiency of stores
2. **FERRERO GROUP POZZUOLO MARTESANA PLANT (MI)**
   Analysis, Evaluation of processes for the energy efficiency of energy-intensive systems
3. **RESIDENTIAL CONDOMINIUM** in cooperation with General Contractor
   EUROPAM Spa, GEI HOLDING Spa, ROGER GROUP Spa, E-COSTRUZIONI Srl
   - Analyses
   - Surveys
   - elaboration of architectural, plant and energy design
   - pre and post intervention evaluation
   - relations with the technical and resolution assemblies
   - calculation of quantities and cost estimates
   - verification of legislative requirements
   - construction management
   - technical certifications

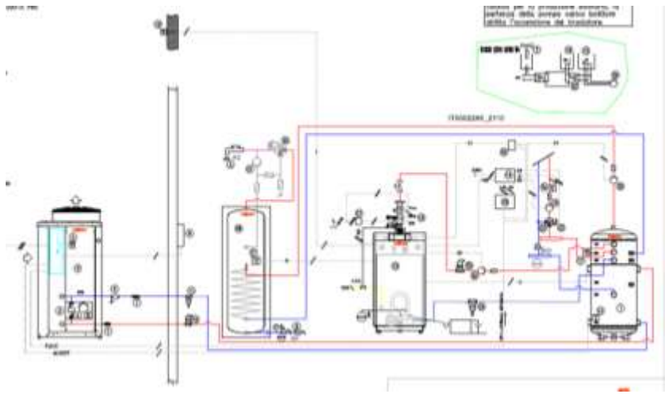
- VIA MENABREA 33 MILAN
- VIA CUZZI 8 MILAN
- VIA WITTGENS 3 MILAN
- VIA CALDERA 132 – BC- DE – AH MILAN
- VIA CINISELLI 20 SETTIMO M.SE MI
- VIA CAVALLETTI 5 SETTIMO M.SE MI
- VIA PITAGORA 3 MONZA
- VIA PIATTOLI 6 MILAN
- VIA MURAT 75 MILAN
- VIA BAGAROTTI 34 MILAN
- VIA PADOVA 27 MILAN
- VIA CRESPI CAPRIATE SAN GERVASIO BG
- VIA GIOLLI 9-25, 20-22 MILAN
- VIA SUZZANI 274-280 MILAN
- VIA LUCCA – VIA VITERBO MILAN
- MELLACE CASSINA DE PECCHI MI
- ZAPPA ROBBIATE LC
- VIA MATTEUCCI 1 MILAN
- VIA DON MINZONI LEGNANO
- VIALE CORSICA 91 MILAN
- VIALE PROCIDA 16 MILAN
- VIA BOTTICELLI 20 MILAN
- VIA REDORTA BG
- PIAZZA ASPROMONTE 5 MILAN
- VIALE ROMAGNA 39 MILAN
- VIA GROSSICH 15 MILAN
- VIA BUSCHI 10-12 MILAN
- PIAZZA CAVOUR TRESCORE BG
- VIA ROMA 63 SIZIANO MI
- VIA PIONIERI DELLA CROCE ROSSA SIZIANO MI
- VIA TRENTO SAN GIULIANO M.SE MI
- VIA VIA DE GASPERI 1-3-5 ROZZANO
- VIA MAZZUCOTELLI MILANO
- VIA ROMA 63 SIZIANO
- PIONIERI 3-5-7, 6-8-10 SIZIANO
- VIA XXV APRILE 32 SIZIANO
- VIA TRENTO 4 SAN DONATO
- VIA FRUA MILAN
- TORRE ROMANA VIA SABOTINO 19 MILAN

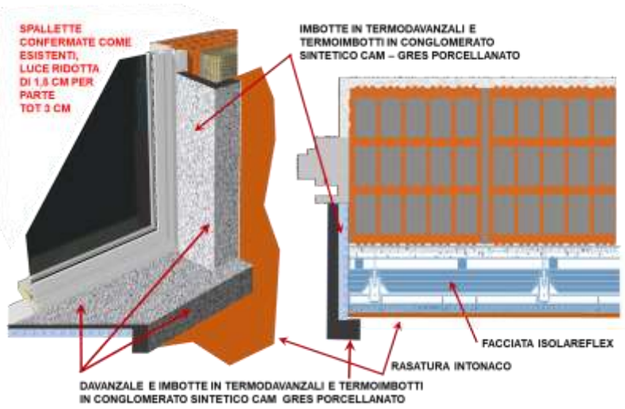

DESIGN
IDEATION
DESIGN
FUNDRAISING
CONSTRUCTION
TRAINING
MANAGEMENT

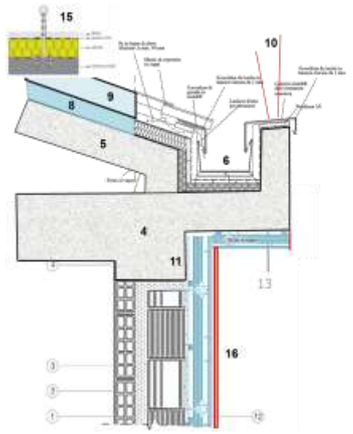

USER
PROPOSING GROUP
PROAM
PROFESSIONAL ADVANCED MANAGEMENT
SYENERGY
SYNERGY IS ENERGY
1 PROBLEMS
2 SOLUTION
3 KNOW-HOW
4 THE PROJECT
5 CONSTRUCTION
5 INVESTMENT
6 PROFIT
6 PROFIT
6 PROFIT AND LOWER COSTS
NEW BUSINESS
FINANCIER

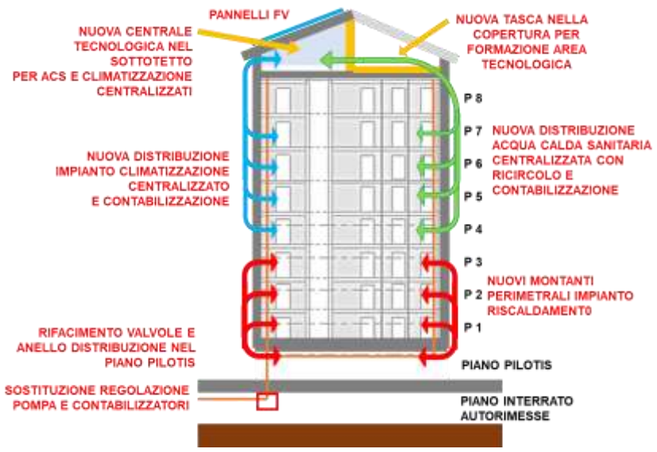

Classe energetica - EP H
Zona climatica
E
Basso fabbisogno
A+ < 14 [kWh/m²a]
A < 29 [kWh/m²a]
B < 58 [kWh/m²a]
C < 87 [kWh/m²a]
D < 116 [kWh/m²a]
E < 145 [kWh/m²a]
F < 175 [kWh/m²a]
G ≥ 175 [kWh/m²a]
Alto fabbisogno
+ EFFICIENZA
+ RISPARMI
+ CONFORT
+ VALORE
APE POST INTERVENTO
SALTO DI CLASSE (REQUISITO MINIMO 2 SALTI)
APE ANTE INTERVENTO
- EFFICIENZA
- RISPARMI
- CONFORT
- VALORE


CALDAIA AUTONOMA IN CONDOMINIO
PANNELLI SOLARI
PANNELLI FOTOVOLTAICI
STRUTTURE
SERRAMENTI
BUILDING AUTOMATION
ISOLAMENTO INVOLUCRO
COLONNINE DI RICARICA
SCHEMATURE SOLARI
CALDAIA CENTRALIZZATA O PER VILLETTE
ELIMINAZIONE BARRIERE ARCHITETTONICHE
POMPA di CALORE
SISMABONUS 110%
ECOBONUS 110%
INTERVENTI TRAINATI 110%




SPALLETTE CONFERMATE COME ESISTENTI, LUCE RIDOTTA DI 1,8 CM PER PARTE TOT 3 CM
IMBOTTE IN TERMODAVANZALI E TERMOIMBOTTI IN CONGLOMERATO SINTETICO CAM – GRES PORCELLANATO
FACCIATA ISOLAREFLEX
RASATURA INTONACO
DAVANZALE E IMBOTTE IN TERMODAVANZALI E TERMOIMBOTTI IN CONGLOMERATO SINTETICO CAM GRES PORCELLANATO


15
10
9
8
5
6
4
11
13
16


PANNELLI FV
NUOVA CENTRALE TECNOLOGICA NEL SOTTOTETTO PER ACS E CLIMATIZZAZIONE CENTRALIZZATI
NUOVA TASCA NELLA COPERTURA PER FORMAZIONE AREA TECNOLOGICA
NUOVA DISTRIBUZIONE IMPIANTO CLIMATIZZAZIONE CENTRALIZZATO E CONTABILIZZAZIONE
P 8
P 7 NUOVA DISTRIBUZIONE ACQUA CALDA SANITARIA CENTRALIZZATA CON RICIRCOLO E CONTABILIZZAZIONE
P 6
P 5
P 4
P 3
P 2 NUOVI MONTANTI PERIMETRALI IMPIANTO RISCALDAMENTO
P 1
RIFACIMENTO VALVOLE E ANELLO DISTRIBUZIONE NEL PIANO PILOTIS
PIANO PILOTIS
SOSTITUZIONE REGOLAZIONE POMPA E CONTABILIZZATORI
PIANO INTERRATO AUTORIMESSE

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H D
HOLISTIC
DESIGN
ARCHITETTO
MAURILIO
CITTERIO

Rev 35

DECEMBER 2022