### SUSTAINABLE LIVING PROJECTS

## RENEWABLE ENERGY AND SUSTAINABLE DEVELOPMENT



smartdome

### PRESENTATION

Sustainable Development Renewable Energy and Sustainable Development Projects

Value Proposition Project Alliances, Project Development, Project Execution

Public Private Partnership Technology Innovations, Jobs Creation, Export Generation

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# 

cosustainable Projects International Envirotechnologies

### THE FUTURE IS NOW

### SUSTAINABLE DEVELOPMENT HUB

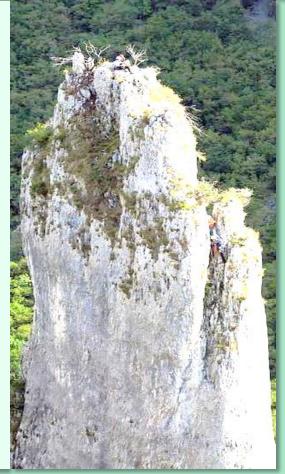
### **OBJECTIVES**

**Vision:** creating opportunities to develop and implement Sustainable Living projects locally and internationally

**Mission:** improving the quality of life without compromising the environment and our future generations

Activities: sustaining research, development, creation and distribution of Renewable Energy technologies, as well as their use in Regenerative and Sustainable Projects

Promoting/facilitating Social and Environmental Entrepreneurship



### **INTERNATIONAL CENTRE**

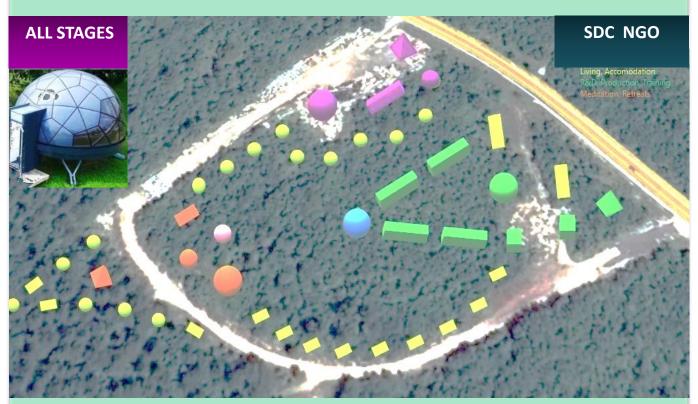
Sustainable Development Centre (SDC) NGO Locations: Pazin / Lupoglav / Učka Park / Karojba / Istria Reg. Office: Ul. Milana Amruša 10, 10000 Zagreb Office: Prolaz Jože Šurana 3, 52000 Pazin, Croatia Contact: mg@ecosustainableprojects.com



**MOTHER NATURE** 

### SUSTAINABLE INNOVATIONS CENTRE

### **CONCEPT PLAN**



STAGE 1: Reception, Convention Dome, Showcase, Virtual Office, Canteen, Accommodation STAGE 2: R&D, Prototyping, Workshop, Production, Green Tech Incubator, Accommodation STAGE 3: Wellness, Retreats, Seminars, Recreation, Community Services, Mentoring, Living



### **TECHNOLOGIES HUB**

### **STRATEGIC ALLIANCES**

### **PROJECT PARTNERSHIPS**

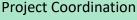
Project alliances with like-minded professionals, entrepreneurs, commercial entities, private and public organizations which are focused on developing visionary projects with ethical business principles and values in action

Ecosustainable Group Ltd, Green Technologies, London, UK Ecosustainable Finance (BC) Ltd, Project Finance, Canada Green Energy 3000 GmbH, Solar Parks, Germany Ekoram Doo, Solar Parks Permitting, Croatia Sustainable Development Centre, Croatia Peritech Doo, Resorts Techno, Croatia Envirotech Project Alliance, Croatia Technology Park Rijeka University M'afrique Senegal Sarl, Senegal Rural Development and Innovation Center, India

### **PROJECT ALLIANCES**









Support Structure Systems



Resorts Tech



Waste to Energy Tech



Solar Energy Engineering







### **FINANCING INNOVATIONS**

- Documentary Letters of Credit, Standby Letters of Credit
- Bank Guarantees, Tender Guarantees
- Proof of Funds, Payment Processing

**BUSINESS VENTURES SUSTAINING PROJECTS OF SOCIAL VALUE** 

### SUSTAINABLE DEVELOPMENT

### **RENEWABLE ENERGY**

### **MULTIPLE SOLUTIONS**

Heating and cooling for residential, commercial and industrial applications

### **MULTIPLE SOURCES**

- **Green Hydrogen**
- Geothermal
- Wind
- Solar

PLUS >>>

**Energy Efficiency** 

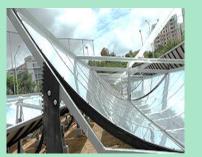
**Energy Recovery** 



### **Solar Thermal and Solar Photovoltaic**



Vacuum Tubes



Parabolic Concentrators



**Fresnel Concentrators** 



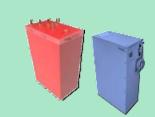
Solar PV Modules

### **ENERGY STORAGE**

Super efficient thermal energy storage



**Heat Battery** 



24/7 Power Provide both electricity and heat on demand when you need it most



**Heat Pump** 

**Graphene Battery Supercapacitors** 



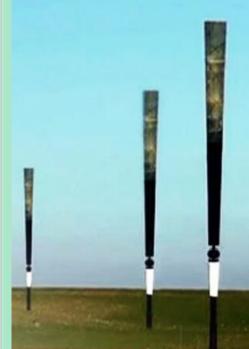
20 min to charge

### **GREEN TECHNOLOGIES**

### **TECHNOLOGY INNOVATIONS**

### **ADVANCED TECHNOLOGIES**

Residential, municipalities, commercial and industrial applications



Vortex Bladeless Wind Gen.



Solar Air Heater



Atmospheric Water Generator Solar







Whirlpool Water Turbine



**Bifacial Solar PV Modules** 

Solid State Wind Gen.

Solar Hydrogen Gen.



Solar Charging Station

Thermoelectric

### **GREEN TECHNOLOGIES**

### SUSTAINABLE EARTH

### EARTH RESOURCES

### Holistic Approach

**IYDROGEN** 



Rain Water Harvesting Solar Water Desalination Groundwater Replenishment Atmospheric Water Generation

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**EARTH BIOLOGY** 

Sustainable, Organic and Regenerative Agriculture

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**NATURE HARMONY** 

ALL F

### SUSTAINABLE EARTH

### NATURE RESOURCES

### Nature Relationship



Solar PV Modules and Greenhouse System

Organic Produce

### **NATURE HARMONY**

### SUSTAINABLE SOLUTONS

### **BIO-REMEDIATION**

### Biological waste stream recovery

## Fungi

Bacteria

### **BIO-GAS**

Thermal hydrolysis, organic waste + sewage



### COMPOSTABLE

Using Compostable Materials

### WASTE RECOVERY

Zero Waste, Zero Emissions



**HOLISTIC APPROACH** 

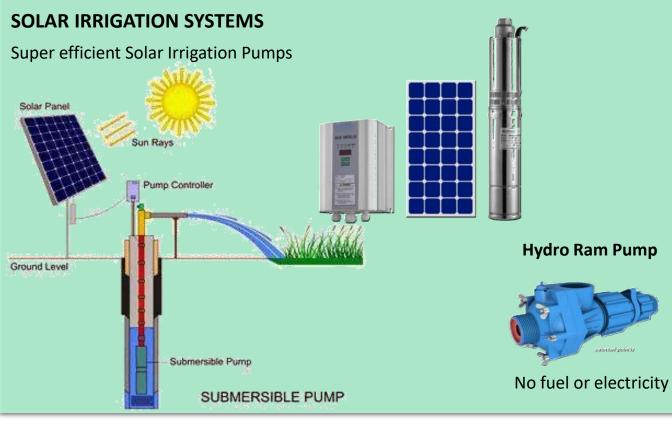
### **RENEWABLE ENERGY APPLICATIONS**

### **ELECTRIC MULTI UTILITY**

Multipurpose electric tractors, new EV concepts With solar Charging



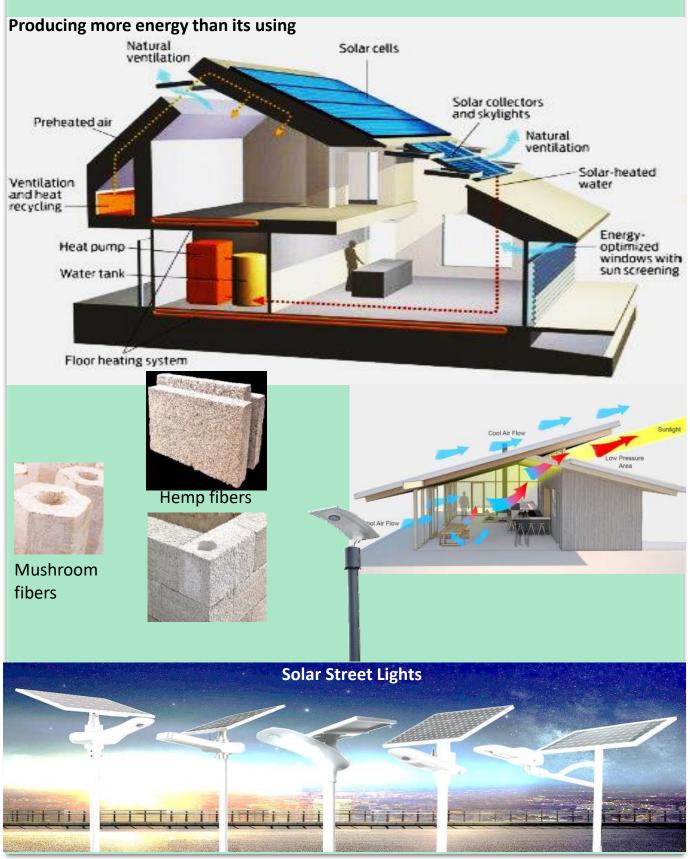




**GREEN SOLUTIONS** 

### **SUSTAINABLE LIVING**

### **PASSIVE SOLAR DESIGN**



### LIVING CONFORT

### SUSTAINABLE LIVING

### **BUILDING INNOVATIONS**

Organic design, innovative building technologies and materials



Building integrated PV modules

## AFFORDABLE HOUSING TECHNOLOGIES

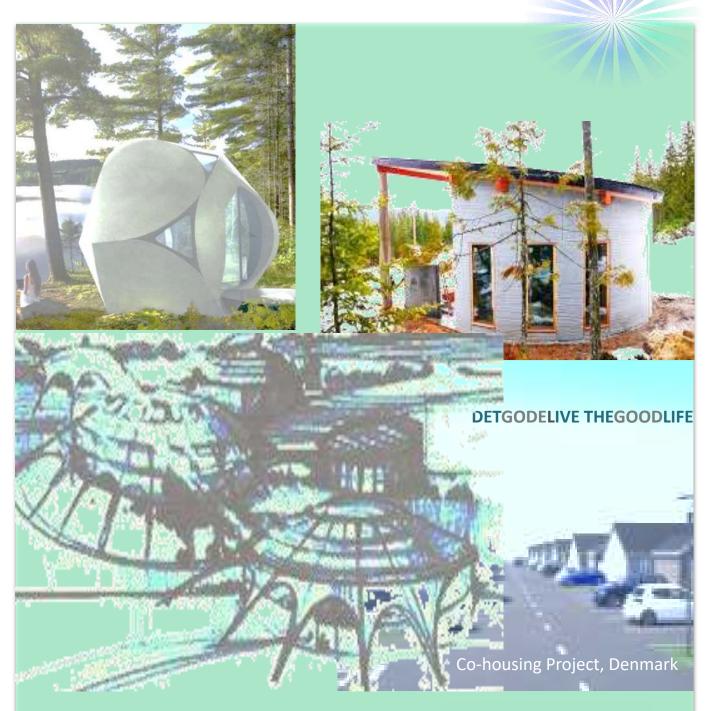
Passive solar design, healthy materials Zero energy, zero emissions



Zero waste, low environmental impact

### **OUR COMMITMENT**

### **IDEAL VILLAGE INITIATIVE**



### THE IDEAL VILLAGE PROJECT

Unity in Diversity

Co-housing project/s comprising land, buildings, living quarters and infrastructure with focus on Sustainable / Regenerative Development, creating new living model/s for our present and future generations (including Zero Energy, Zero Waste, healthy materials and passive solutions).

**Giving More Taking Less!** 

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