



Dear Sir/Madam,

We are pleased to send you further details of SUN ARK, our concept building, which will permanently improve so many people's lives all over the world.

SUN ARK is patented by SWOT CENTER and it is an innovation on a worldwide scale which combines the latest technologies of Renewable Energy and Lean Construction.

Our global launch for SUN ARK took place at the UNEP Climate Change Conference (COP19) in Warsaw during November 2013. The SUN ARK presentation stirred great interest and enthusiasm from the delegates who represented many countries and many aspects of the global reaction to climate change – such as governmental departments, ecological and charitable organisations, scientific and research concerns.

We are in the process of following up this interest and commencing a co-operation with the various bodies.

SUN ARK is a free-standing, energy-generating building which can have multi-functional usage. It can be delivered and positioned anywhere in the world which has road access and where there is a need for energy and shelter. Typically these will be developing regions which are off-grid.

SUN ARK is designed and constructed in steel or in structural wood. It is a wedge-shaped building which carries a roof covered in photovoltaic panels which generate 50-80,000 kilowatt hours per annum. This energy can be distributed to 20-40 dwellings or it can be used within the SUN ARK to pump and purify water, or to store water, or to store food or medicines in cooled environment. The energy can be captured in batteries and used for other systems or devices within the building.

SUN ARK can be constructed as a single module, or grouped together to form larger buildings. A SUN ARK module can be 12-21m in width, and 20-22m long. No foundations are required, the buildings are set into ballasted pits, and they can be erected without heavy construction plant. One SUN ARK is delivered in a single container by road, including the simple tools and the pictogram instructions for erection.

SUN ARK ADVANTAGES

1. Many different uses

- Hospital or clinic
- School or training centre
- Camp for refugees or natural catastrophes
- Water pumping/purification/storage
- Agricultural use for shade/cultivation/watering/storage
- Livestock breeding/shelter/feeding
- Social centre for small settlements
- Industrial use of the energy generated

2. Many different natural environments

- In desert or extremely hot conditions, SUN ARK gives shade and water for cultivation or livestock or human shelter. The energy generated can be stored for heating at night or chilling in day, for lighting or pumping or powering electrical devices
- In colder climates, the photovoltaic system still generates power from radiation which can be used to warm the building to act as a shelter or logistics centre or vehicle maintenance or similar uses.
- In agricultural regions SUN ARK can act as cultivation or livestock centre, machine or vehicle store, food or cereal storage, process building, light industrial building.
- In developing industrial areas, SUN ARK can be a storage or maintenance depot, a production or administrative location, a training centre.
- In certain locations, SUN ARK can be a tourist base or a social centre/shelter during aggressive weather.
- In areas of natural catastrophe, SUN ARK can be an invaluable shelter and power-source initially, and then can be a focus of recovery over a longer period.

3. Other benefit possibilities

- In some cases, the energy generated can be sold (to grid or through local distribution)
- The cost per square metre of a SUN ARK is competitive with any similar building
- Quick and easy erection without foundations means that SUN ARK can be instrumental in any emergency situations particularly if a stock of SUN ARKs is held region by region
- Containerisation will mean quick despatch to most locations with road access

The SUN ARK concept is aimed at hotter, arid regions where there is no universal electrical grid. It is particularly beneficial for developing countries and remote locations. The quick and unsophisticated construction means it can be located anywhere. SUN ARK will assist the developing countries to grow their industries and their agriculture, and will provide shelter, energy and water where there is none of these necessities of life. When disaster strikes around the world, SUN ARK can help to restore shelter, energy and water.

SUN ARK provides the basic needs of life, in line with the Millenium Development Goals established by UN in 2000, which are aimed at reducing world poverty and starvation, and at improving world health and education, and at protecting the natural environment.

According to our corporate slogan 'You have Sun, You have Everything'. Our solution effectively saves and protects human life. It holds relief for homeless or vulnerable people during natural disasters. Our innovative SUN ARK will change and improve life for many people across the world, through the use of clean and renewable energy

SUN ARK has the possibility of global acceptance. It is a simple concept which is justified on economic and ecological grounds. We hope you agree.

Yours sincerely,

Maciej Bodnar
Member of the Board

Jerzy Kasperowicz
Member of the Board