

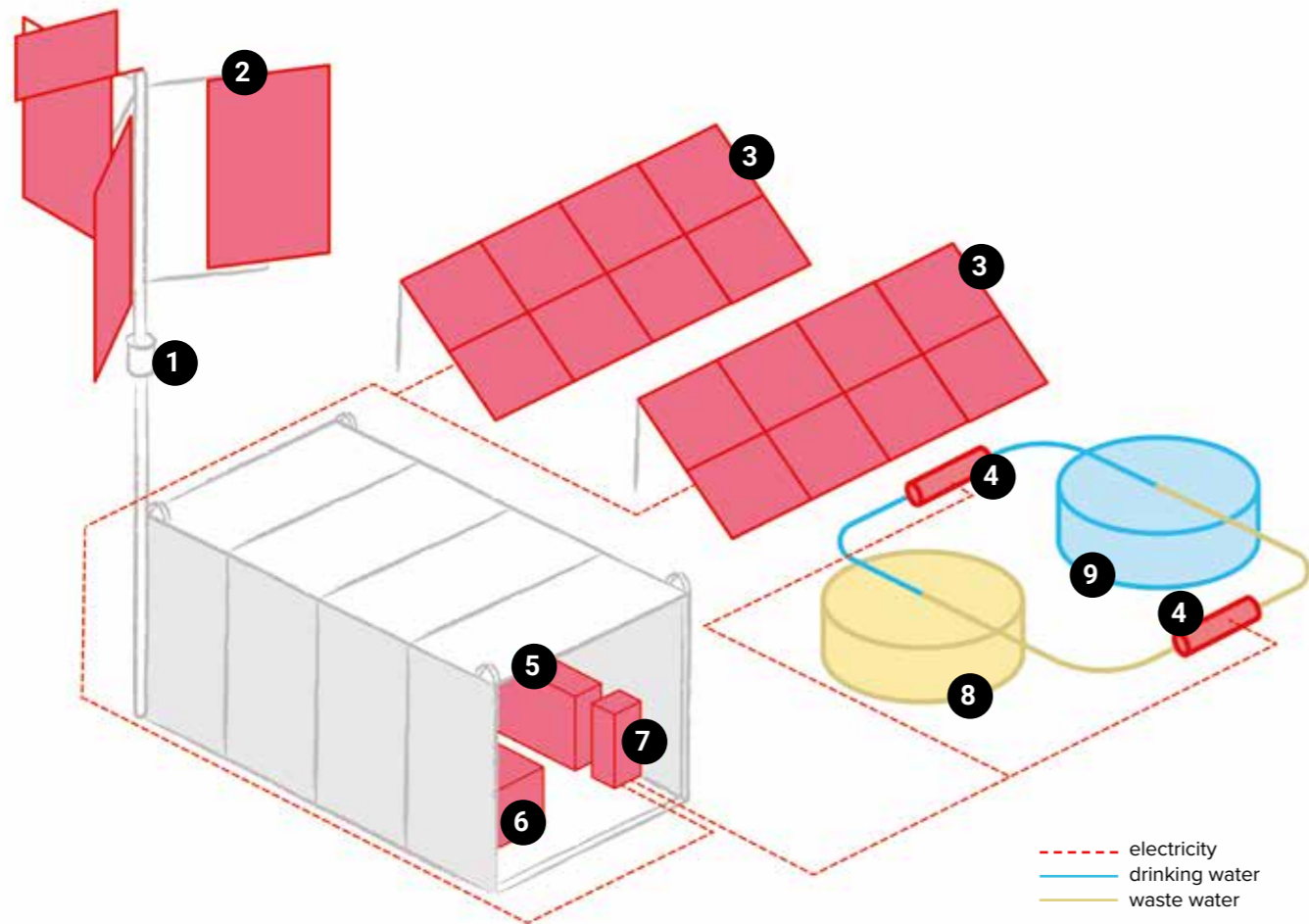


MOBILE ENERGY CONTAINER

project



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INTEGRATION OF GREEN POWER SOURCES (PV PANELS AND SMALL WIND TURBINE)

Energy used for heating, lighting and water cleaning treatment (30-50qm of cleaned water per day) . All placed in 20 Ft container including battery storage and electronic management system and back-up petrol generator. **Installed output in total of 45 kWp.**

Technologies

- 1 Wind Turbine**
Boiling Water, Heating of Buildings, Direct Consumption, Charging of LENR Cells, 5-10 kWp
- 2 PV folios of Wind Turbine Blades**
Charging of LENR Cells, 700 Wp
- 3 PV panels on the roofs**
Charging of LENR cells, direct consumption, 5 - 10 kWp
- 4 Water Turbine in Pipelines**
Charging LENR Cells, 10 kWp – 300 kWp
- 5 Using LENR Cells for Heating**
(Top up input power five times on the output)
- 6 Battery Storage of Generated Power**
- 7 Central Electronic Management System**
- 8 Cleaning of Waste Water - Recycling Water**
- 9 Water Treatment - Increase of quality of water**

Mobile energy power installed in 3 hours

- Integrated rescue systems
- Temporary solutions for disasters areas
- Military purposes
- Mobile hospitals
- Base Transceiver Stations and telecommunication systems
- Rural areas and local communities
- Mountain rescue
- Underground and open cast mining operations
- Police stations
- Cover peak power demands
- Ports a Marinas
- Gas Station



Technical details

PV system	9,2 kWp PV system, 28 monocrystalline PV modules, each 327 Wp, robust steel and aluminium construction for extreme condition
Wind system	5 kWp, 4,5 m dural mast, folding system
Battery system	battery voltage 48V, total capacity 1320 Ah, VRLA AGM and gas recombination technology, electrolyte fully absorbed in glass mat "AGM" separators with extremely high micro porosity
Management system	off-grid island system 3 x 400V / 50Hz
Fuel	diesel
Communications	RS-485, Modbus
Environmental	operating temperature range – 10 to 45 °C, humidity 0-90 °C non condensing
Dimensions	2438 x 2348 x 6058 mm (w x h x l)
Weight	6000 kg
Design	20 feet container (ISO 1C)
Optional	40 feet container (ISO 1A), modular PV system with the higher output (up to 18,4kWp), second wind turbine 5kWp, air condition, water treatment, higher battery capacity, additional fuel tank 1000 litre, generator to power 24 kW, bullet proof version, remote communication and logging via GPRS