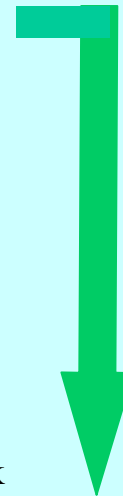


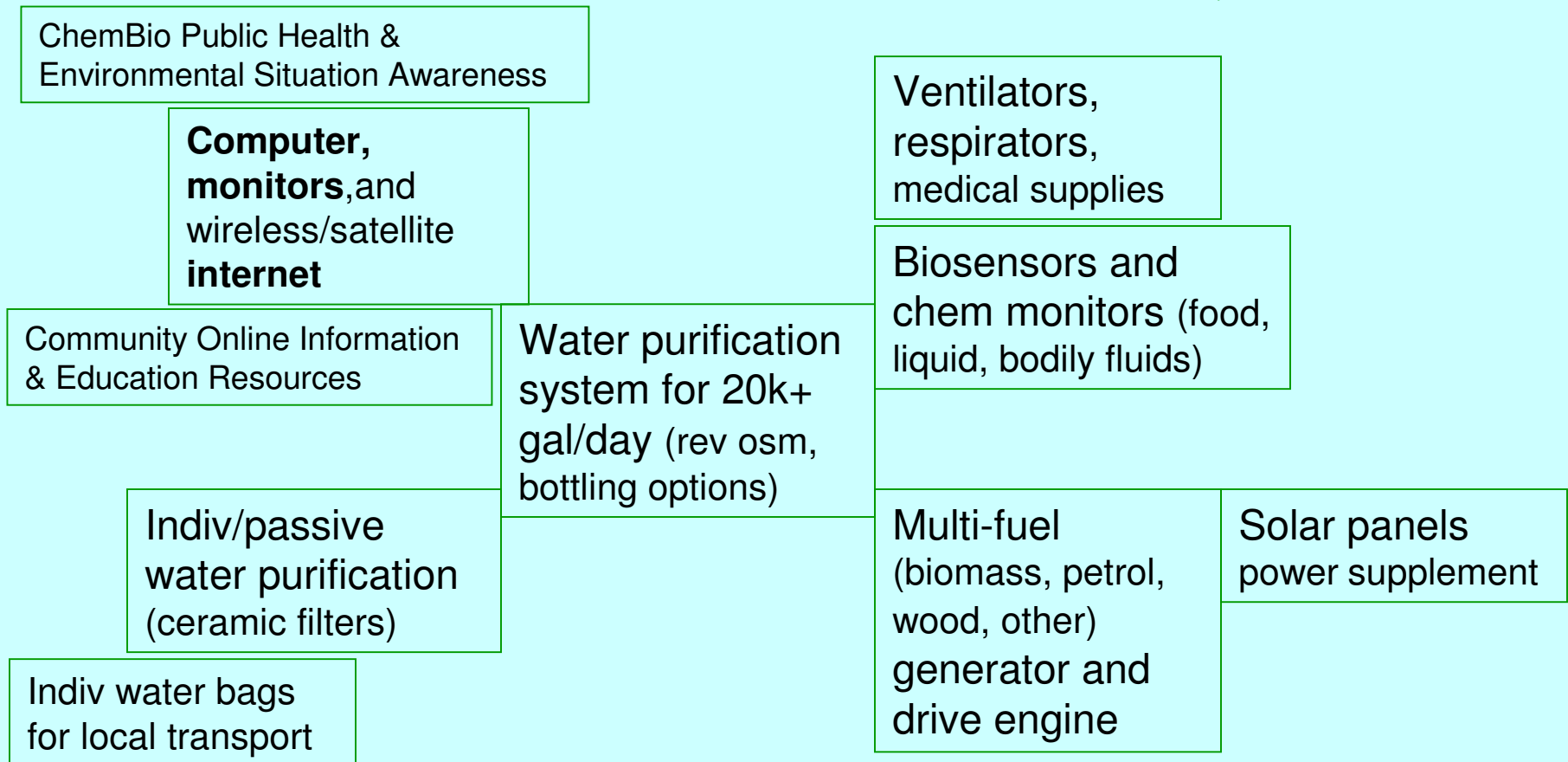
Introduction to the

EcOasis (Eco Nest, Life Pod) Architecture, Configuration, System
and the
EcOasis Network

providing fresh water, reliable power, health monitoring, bioprotection,
communications and information resources for use in Emergency
Situations and in Underdeveloped and At-Risk Regions of the world



EcOasis – the Pod, the Nest



All in one integrated, modular, turnkey simple package – just add Water

Inform



Add WATER

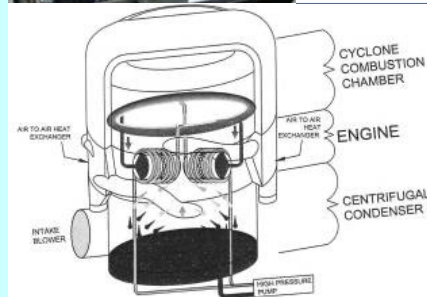
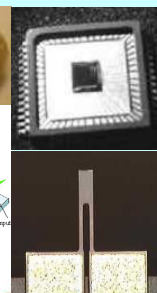
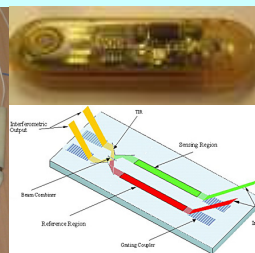
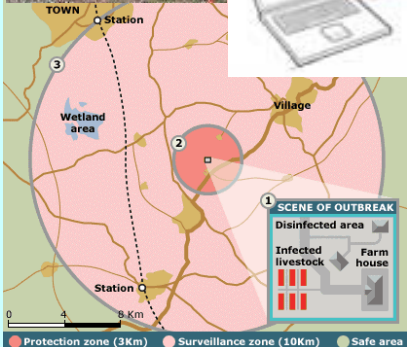


Breathe

Protect

Health

**Energy
Power
Work**



DRINK



The EcOasis is a Community Life Support Pod

(At least that is how it is starting out, and its primary purpose. But it doesn't necessarily end there.)

The Pod or Nest is a Lego-like, modular set of components for many of the basic needs, starting with WATER, for both places that need because of under-development and primitive conditions, or because of emergencies and disasters, or because of being at-risk for such.

The "EcOases" go into villages and towns and cities. Into use directly or into storage for whenever needed.

They serve basic elemental needs in pure water, power, health, information, and communication, for people who need it because of:

- an emergency, a catastrophe
- the likelihood or probability of such an emergency
- underdeveloped and diminished resources and infrastructures
- microeconomic growth needs and opportunities
- the need to learn and understand better how to live in a sustainable, renewable and ecologically healthy way

What goes into it, how does it work, what do people get?

Water purification (multi-scale capability)

high-end system, 10K+ gal/day, optional bottling, reverse osmosis, semi-automated, <800 lbs., @ 1.5m x 1.5m x 1.5m, 15/20A, salt removal, up to 1,000 $\mu\text{mhos}/\text{cm}^2$

low-end individual ceramic filtration, anti-microbial, 16-20 gal/day/filter, 1 yr.+ lifespan

Multi-fuel external combustion high-performance engine for power generator, drives

Polymer-film photovoltaic power generation

Anti-microbial surface bioprotectants for community use applications

Biopathogen immunoassay, nanofilm catalysis and microcantilever sensors for food, liquids, bodily fluids (e.coli, tularemia, salmonella, TB, MRSA, clostridium, more)

Satellite-link high-speed internet with webcast and e-learning software for diversified community uses

Ventilators and assisted respiratory emergency devices

Additional medical and community aid tools (high-tech, low-tech) bundled together in a prefab custom container module based upon standard shipping container design

Ship to site by truck, boat or helicopter; assemble in < 5 hrs., turnkey operation without special calibration or trained staff or operating environment required

This is Not just about relief and stop-gaps

This is about microeconomics and development and growth of the COMMUNITY

All the components, features, functions of an EcOasis, wherever and whenever it goes into place is in and for a Community. Small or large, rural or urban. It is bringing WATER and with it Power, Health, Safety, Security, Information, Communication, Knowledge, and Ability to Adapt, Change, Grow, and Build.

Including micro/macro economic development.

With water, energy, power, health, security, and knowledge as the tools in the hands of the Community.

Every Community needs one. The EcOasis is like the frontier general store, or the first pay telephones, or the first internet hubs. It is the Life Pod for the 21st century.

Have EcOasis, and Survive, Grow, and Thrive.

What is EcOasis Network International (ENI)?

ENI is the non-profit 501c(3) organization established to facilitate, coordinate, manage the installation and interaction among EcOasis Pods (Nests) worldwide.

Each EcOasis becomes part of the network and is “live” and ready for operation, including those that are warehoused (stationary or mobile) for emergency needs.

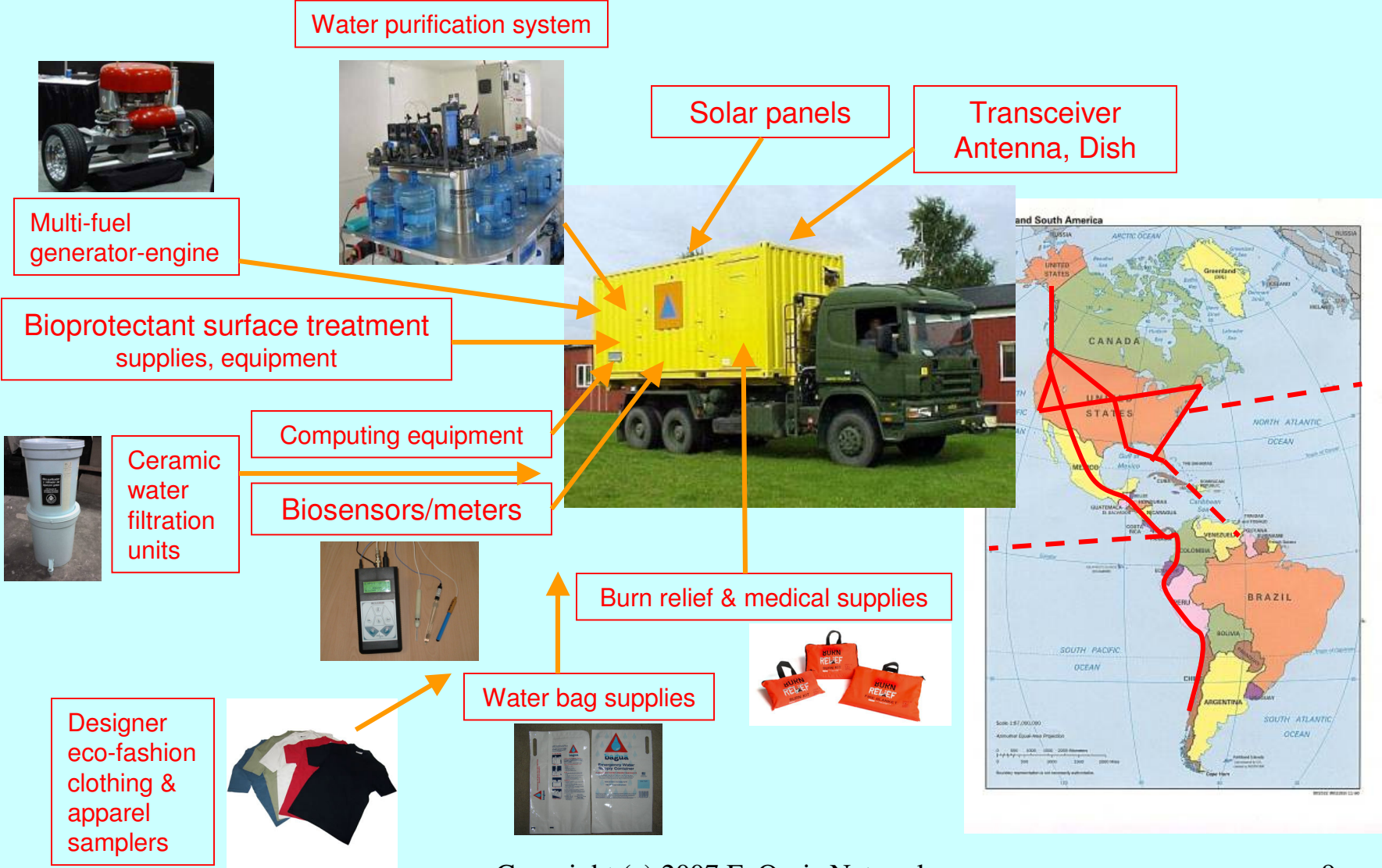
Each EcOasis is administered by the Network team even though it may be operated and maintained by a local community or by an NGO, public govt. unit or a private company.

Each EcOasis has one or more sponsors for its life-cycle cost (components, assembly/integration, shipment, installation, maintenance). These are private and public, individual and organizational. EcOasis Network International (ENI) administers the financing and sponsorship of all EcOases.

ENI also performs educational and public awareness functions including the operation of the EcOasis Mobile Pod.

The EcOasis Mobile Pod

Have Oasis, Go (& show) Anywhere



Purpose of the Mobile System

1. Demonstrations – live, in person, for people, media, politicians
2. Replication for use in emergencies
3. Testing, refinement of new features and functions. An on-the-road, at-sea, anywhere operational lab, demo and proving ground.

The whole system can be put into one large sea-going container or carried on an A7 or C140

The whole system can be operated and maintained by a single person.

With a Cyclone engine for the truck (2008), all you need to go and operate Anywhere (by land) is simply Water and something you can burn.

Gee Whiz, this is incredibly simple, and powerful, and cheap, and why aren't we doing this yesterday?



Objectives

One Demonstrator Mobile EcOasis Pod on the road by July, 2007

Ten basic EcOasis Pods installed in 2007:

New Orleans, NW China, Vietnam, Lesotho, Chad, India,
Dominican Republic, Iraq

50 Pods or more in 2008

200 in 2009

One in reach of every high-risk community worldwide ASAP.

No More Delay – we've had enough talk-talk-talk.

Some of the initial targets



But among the first,
the City that is the symbol of what happens when Nature and common sense
and warnings are ignored, and where the needs are still not being met.



Next Steps:

1. \$100,000 to set up the Mobile EcOasis Pod (Truck)
2. Commitment-pledges for components, assembly, installation
3. Events across America to publicize and energize
4. Sponsorships and pledges for Pods around the World

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