GoodSpheres Greenhouses

| fresh-food | on-site | off-grid|

REAL NewEnergy

WAGENINGEN UR
For quality of life

PRIVA

Concept

- Net-zero in terms of energy and water
  - Electricity generation from PV panel and other forms of renewable energy
  - Rain catchment system and drip irrigation for efficient water usage
- High yields of vitamin- and mineral-rich produce
  - 40-60kg/m^2 per year
- Local job creation and horticulture training
  - Remote advice program provided by WUR
  - Collaboration opportunities between WUR and local government and educational institutions

Smart-Tech

- Size: individual modules totaling over 10,000 m^2
- Transportable in 40ft shipping container
- Plastic film covering with built-in ventilation
- Drip irrigation for efficient water use and nutrient distribution
- Fogging system for energy efficient climate control
- Substrate from local resources
- Rain catchment system
- PV electricity generation

Logistics

- Time to build is about 2 weeks
- Refurbishment plastic coverings every 3-5 years
- Shipped in standard sea containers which act as technical/operating room with prefab equipment and connections
- All infrastructure to handle these containers is available anywhere in the world

Operations and Crop Management

- Aimed at local operation, actively supported by remote advice from Wageningen UR
- Workers are needed to maintain the crop and harvest the vegetables
- Most tasks can be done by low-skilled personnel
- A remote monitoring system allows WUR to give advice on how to grow the crop ("high tech *here*, low tech *there*")
- "Train the trainer" knowledge roll-out program

Organization

- Head Grower
  - Individual who has knowledge on crop growth, diseases and climate control to operate the greenhouse and who will instruct the workers.
- Workers
  - Workers will do most of the crop management and harvesting. Depending on the crop, the plant needs to be pruned, treated, etc. The type of work is such that low-educated personnel can be trained.
- Advisor (remote)
  - To support the grower, researchers from WUR will analyze data (crop/climate) and advise the grower on the actions to take.

The Team

- Real NewEnergy (RNE)
  - Building effective partnerships and developing go-to-market strategies for innovative technology applications
  - Specializes in sustainable energy and climate consulting, renewable energy project development, technology development and marketing
- Wageningen University and Research Center (WUR)
  - Vast knowledge and research capabilities within the fields of climate, energy, and sustainable crop concepts
  - Innovative technologies for greenhouse construction, climate control, energy saving and efficient energy conversion

The Team

- Priva
  - Develops and produces innovative technology to control environmental conditions in greenhouses
  - 70% market share in the horticulture sector worldwide
  - Looks to enable entrepreneurs to grow healthy, high-quality food and ornamental plant crops
  - Committed to using energy, water and natural resources in a responsible manner

Pilot Project Phases

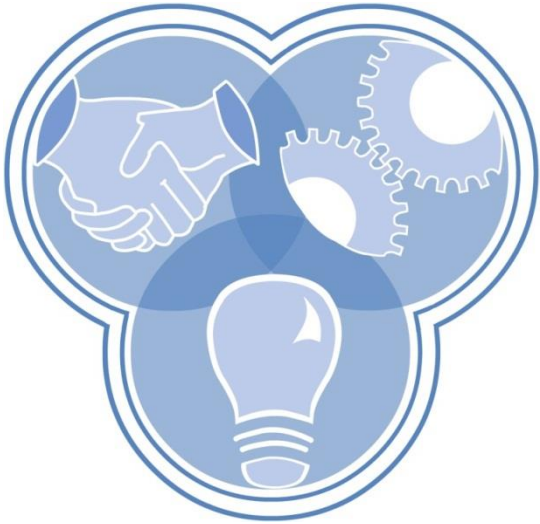
- PHASE I: Feasibility Study
  - In-depth assessment of local climate and market conditions in combination with urgency analysis of specific food crops
  - Study will be concluded with a customized GoodSpheres set-up, crop selection and programming for the specific location
- PHASE II: GoodSpheres Greenhouse
  - Turnkey GoodSpheres greenhouse, including all irrigation, ventilation, energy (generation) and (rain) water systems.
- PHASE III: On-site & Remote Training & Support
  - Post start-up, the operator will have access to remote-support from a dedicated WUR know-how center that will provide online and remote monitoring & advice to maximize the success of the local operator

The GoodSpheres Franchise

- Provide local entrepreneurial opportunities
  - Quality job creation
- Strategic advantages for franchisees
  - Dedicated supply chains for reduced CAPEX and increased reliability
  - Widely recognized brand
- Holding Co. retains ownership of pilot project
  - Functions as Knowledge & Innovation Center
  - Test and fine tune solution to boost yield and cut costs
  - Build knowledge base for future projects

Value Proposition

- Complementary team
  - Business development expertise
  - Knowledge leaders
  - Technology innovators
- Local impact
  - Entrepreneurial opportunities
  - Well paying jobs for greenhouse staff
  - High quality produce for consumers
- Franchise model incites success
  - Reduced CAPEX
  - Knowledge center
  - GoodSpheres brand



GoodSpheres Financials

Phase	Required Funding	Description
I. Feasibility Study	$250,000	In close collaboration with local knowledge partners, develop an expert in-depth assessment of local climate conditions and natural & renewable resources available in combination with urgency analysis of specific food crops. This study will be concluded with a customized and replicable GoodSpheres set-up, crop selection and programming for that specific location.
II. GoodSpheres Greenhouse Construction & Commissioning	$1,500,000	A turnkey system supply of a robust greenhouse, including all irrigation, ventilation, and sustainable energy (generation) and water systems.
III. On-site & Remote Training & Support	Self-sustaining based on franchise fee	During all phases of the project - feasibility, construction, start-up and operation & maintenance - the project will be supported by a team of experts from WUR who will provide on-site, hands-on support for the local owner & operator of the greenhouse. Post start-up, the operation will have access to remote-support from a dedicated WUR know-how center that will provide online and remote monitoring & advice to maximize the success of the local operator.

GoodSpheres Financials

GoodSpheres Greenhouse Specifications	
Size	10,000 m^2
Electricity Generation	25kW PV; 15kWh battery storage
Water Collection	130,000+ gallons
Job Creation (FTEs)	1 head grower & 8 unskilled workers
Crop(s)	tomatoes, lettuce, cucumber
Yield	40-60kg/m^2
Farm Gate Price	$1.75/kg

- On a yearly basis, the greenhouse will require $100k in operations & maintenance and another $100k for remote support, marketing and administrative costs. Labor is expected to cost approximately $300k/yr, including remuneration for the head grower.
- Assuming the head grower is the entrepreneur, he can expect to earn $75k-$80k/yr as salary and make an 18% return on the upfront investment.

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For more information, please visit our website

www.realnewenergy.com