CLEAN TECH OPEN

GLOBAL IDEAS COMPETITION

A Featured Event of Global Entrepreneurship Week

Cleantech Open Guidelines 2011

HOST

Republic Agency for the Development of Small and Medium Enterprises

PARTNERS

ICBL Innovation Centre Banja Luka

BOSNIA AND HERZEGOVINA
FEDERATION OF BOSNIA AND HERZEGOVINA
FEDERAL MINISTRY OF DEVELOPMENT, ENTERPRENEURSHIP AND CRAFT

SUPPORTED BY

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Introduction

The Cleantech Open 2011 is the world's largest clean technology business competition.

We're looking for the best clean technology ideas from around the world - anything from revolutionary ways to generate clean energy to better water filtration to ideas about how governmental policies around climate change can foster new businesses in one of the competition categories. For entrepreneurs with a great green idea, this is a chance to share it with the world.

Just for telling us your idea, you could win a prize package of services worth $100,000 to help you start a business to grow your idea!

The competition is organized by the Cleantech Open (www.cleantechopen.com). Through its annual cleantech Business Competition and mentorship program (the world's largest), the Cleantech Open has helped hundreds of clean technology startups bring their breakthrough ideas to fruition since 2006, and helped its alumni raise over $260M and create thousands of green-collar jobs.

The mission of the Cleantech Open is to find, fund and foster companies with big ideas that address today's most urgent energy, environmental, and economic challenges. Through this mission, the Cleantech Open encourages the development of clean technology companies that foster a healthy, natural environment - companies that provide environmental benefits in the areas of renewable energy, energy efficiency, pollution reduction and resource protection and conservation. The Ideas Competition is the first step to help entrepreneurs build a successful cleantech business.

Host of the competition for Bosnia and Herzegovina is Republic Agency for Development of the Small and Medium Enterprises.

Partners in organization of the Bosnia and Herzegovina competition are ***Innovation Centre Banja Luka*** and ***Federal Ministry of Development, Entrepreneurship and Craft***.

Eligibility and Funding Limits

Any global citizen with a cleantech idea is eligible to compete in the Global Ideas Competition.

All entries must be a startup that has received less than $500,000 in external private financing at the time of competition entry. Grant funding and any money from friends and family are excluded from this $500,000 limit.

Categories

Air Water & Waste
Ways to cut pollution

Air Water & Waste category entries focus on improving resource availability, conservation and pollution control. Air covers services, instruments and equipment related to emission control, treatment or reduction technologies. Also included are creative approaches to greenhouse gas reduction, including carbon conversion and sequestration. Water covers treatment, storage and monitoring, recycling and conservation technologies. Waste covers waste management equipment; sorting; resource recovery processes; pollution prevention, control, and treatment technology; as well as waste reduction through innovative recycling processes and creation of new recyclable materials, such as bio-based plastics.

Example technologies:

- Storm-water and flood control, rainwater harvesting
- Smart irrigation
- Water filtration and disinfection
- Advanced filters and filtration (air or water)
- Carbon and GHG monitoring and control
- Carbon capture sequestration, storage
- Waste cleanup and remediation

Energy Efficiency
More efficient methods and devices

The Energy Efficiency category comprises technology that can significantly reduce wasted energy and help to lessen the need for additional power plants. Examples include advanced light sources and controls, smart / user-friendly energy management systems, energy-efficient water heaters and other appliances, high-efficiency industrial process systems, motors, pumps, and advanced space heating and cooling systems.

Example technologies:

- Industrial process improvements
- Natural gas monitoring and control (industrial or residential)
- LED lighting
- Advanced lighting controls
- HVAC solutions
- Utility scale natural gas controls

Renewable Energy
Replacements for fossil fuels

The Renewable Energy category includes innovations that use, enable and accelerate the migration to renewable energy. Renewables encompass technologies that use waste streams to directly produce energy. Examples include low-emission power sources, such as solar, biofuels, wind, wave and tidal energy and hydropower.

Example technologies:

- Solar for energy production
- Thin film solar manufacture
- Concentrating solar PV
- Biobased fuels
- Hydropower
- Advanced fluid flow designs
- Wind power technologies

Green Building
New kinds of buildings or materials

The Green Building category focuses on reducing the environmental impact of building construction or operation through improved design or construction practices, new or innovative use of building materials, or new hardware or software applications. Technologies are applied directly to the built environment. Examples include water management systems, reduction of hazardous materials in building construction or operation, use of new environmentally friendly or recycled materials, systems to improve indoor environmental quality and systems for improved waste reduction or disposal.

Example technologies:

- Insulation materials
- Cement alternatives
- Indoor air filtration systems
- Disaster relief and modular housing
- Low VOC carpeting and flooring
- Water saving toilets, showers, plumbing
- Recycled materials for use in building material

Smart Power, Green Grid, Energy Storage
Better ways of carrying electricity or storing it

The Smart Power, Green Grid and Energy Storage category encourages links between information technologies and electricity delivery that give industrial, commercial and residential consumers greater control over when and how their energy is delivered and used. It includes improvements in all forms of energy storage, from battery technology for consumer-scale products to large chemical, metal, biological or other approaches to storage of utility-scale energy, as well as methods for controlling or increasing the efficiency of energy storage or energy transmission. Examples include wireless metering and use of real-time pricing information, intelligent sensors, batteries, fuel cells, fly-wheels, and advanced materials or systems for energy transmission, such as hardware and software controls.

Example technologies:

- Real-time power monitoring
- Network architecture for power management
- Hydrogen storage
- Battery form factor improvements
- Advanced fuel cell membranes
- Power storage
- Transmission efficiency

Transportation
Greener cars, buses, trucks or planes

The Transportation category encompasses transportation and mobile technology applications that improve fuel efficiency, reduce air pollution, reduce oil consumption or reduce vehicle travel (not limited to automobiles). Technologies are applied directly to transportation systems or vehicles. Examples include new vehicles and new types of transport services and infrastructure, efficient batteries, fuel cells, bio-based transportation fuels and use of information technologies.

Example technologies:

- Fleet and route management systems
- Logistics management
- Carpooling solutions
- All electric vehicles
- Flex fuel engines and applications
- Drivetrain conversion kits
- Monitoring and control of driver behavior

Judging Criteria

A team of professionals will serve as competition judges and will evaluate your pitch on a scale of 1 to 5 for the following measures:

Idea Concept: Concisely and clearly explained
Innovation: Breakthrough in thinking or design
Business Viability: A significant and interesting market exists
Sustainability: Positive impact on environment

How to apply?

To enter the competition, entrants are asked to briefly describe their ideas, and why it's groundbreaking. The idea submissions will be reviewed to select winner of a national competition.

In November, during Global Entrepreneur Week 2011, national winner from each country will compete on the global stage during the Cleantech Open Awards Gala, attended by a live audience of 2,500 clean technology experts, investors, and enthusiasts, and press from around the world. The Global Cleantech Open Ideas winner will receive at least $100,000 worth of startup services from startup experts.

To register for the competition, candidates need to answer on following 5 questions:

- My idea is: (describe in 200 words)
- The problem my idea solves is: (describe the value proposition)
- The market for my idea is: (describe who will buy the product/service)
- My idea will have a positive effect on the environment because: (describe the environmental impact)
- My idea is a winning one because: (describe the unique competitive advantage)

Registration for Cleantech Open 2011 is online at www.cleantechopen.com/ideas/enter by choosing Bosnia and Herzegovina and clicking "Enter now" or directly by clicking on link http://www.cleantechopen.com/app.cgi/ideas_competition/countries/52/enter?auth=register

Deadline for application for Bosnia and Herzegovina national competition is ***October 25th 2011.***

For more details about Competition you can contact us on email: gsp@rars-msp.org or phone 051/247-627.