



## Zayed Future Energy Prize Announces Winners

### An overview on the awards ceremony

**Carbon Disclosure Project, Dr Ashok Gadgil and Schneider Electric awarded for groundbreaking work in carbon reduction advocacy, energy efficiency and access**

On January 17, 2012, His Highness General Sheikh Mohammed bin Zayed Al Nahyan, Crown Prince of Abu Dhabi and Deputy Supreme Commander of the UAE Armed Forces presented the 2012 Zayed Future Energy Prize to 3 winners and 2 runners up at the awards ceremony held in Emirates Palace.

The ceremony was attended by UAE high level delegates, presidents, heads of states, ministers, members of the Jury of the prize, evaluation committee, past winners and finalists as well as other esteemed guests. His Highness commended the Prize saying: "The Zayed Future Energy Prize has become a beacon of light, stimulating thinkers and creators while encouraging the world to

accelerate innovation in renewable energy and sustainability. This Prize is a clear manifestation of the vision of the late founding father of the United Arab Emirates, Sheikh Zayed bin Sultan Al Nahyan - who placed a priority on investing in human capital and the preservation of our natural resources for generations to come."

His Highness added: "Encouraging these innovators allows us keep them motivated, and as such, ensures that our communities keep benefiting from their inventions. In light of the challenges facing the world today - be it energy security or safeguarding our natural resources - These innovators offer their concerted efforts. The United Arab Emirates, led by His Highness Sheikh Khalifa bin Zayed Al Nahyan, President of the Nation - May God protect him, is committed to exerting every effort towards encouraging such ambitious initiatives aimed at improving our collective quality of life." He added: We congratulate the winners of the Zayed Future Energy Prize, and encourage

them all to continue in their efforts towards the creation of innovative solutions - impacting communities around the world. These are the ambassadors of innovation, the ambassadors of our Prize - these are the people who spread hope and aspiration and encourage the next generation of innovators.

The Prize total of US\$3.5 million was awarded in the Small and Medium Enterprises (SMEs) & Non-Governmental Organizations (NGOs) category to the UK's Carbon Disclosure Project whilst India's Orb Energy and Environmental Defense Fund of the US were first and second runners-up respectively in the same category. Dr Ashok Gadgil from the US won the Lifetime Achievement award while French company Schneider Electric received a Recognition Award in the Large Corporations category. The ceremony which marks the fourth year of the Prize commenced with an inspirational video tribute to the late founding father and President of the United Arab Emirates, Sheikh Zayed bin Sultan al Nahyan.

Dr Sultan Ahmed Al Jaber, Director General of the Zayed Future Energy Prize, said: "It is our founding father, Sheikh Zayed bin Zayed Al Nahyan who 40 years ago, began his journey of instilling in us the importance of building bridges, instigating dialogue and forging friendships around the world and it is our leadership today that continues this vision."

Dr Al Jaber attributed the increasing growth of the prize to its agility and ability to adapt to the fast moving dynamic sector, adding "It is the directives given to us by General Sheikh Mohamed bin Zayed Al Nahyan, of further enhancing the prize to expand our reach that has enabled us to reach innovators from around the globe."

He commended the finalists for 2012, adding: "These are people that had the foresight to recognize that investing in the future is based on long term vision and the ability to innovate the technologies that the world so urgently needs."

## Meet the winners and runners up of the Zayed Future Energy Prize 2012



**In the SME & NGO category, Carbon Disclosure Project was awarded US\$1.5 million, while Orb Energy was named first runner-up with a cash prize of US\$1 million and Environmental Defense Fund took away US\$500,000 as the second runner-up. All three have excelled in demonstrating clear impact through their work in disseminating solutions to further knowledge, creating awareness, as well as developing policies and technologies in renewable energy and sustainability. Dr Ashok Gadgil, recipient of the Lifetime Achievement Award, received US\$500,000 for his pioneering efforts as one of the leading modern inventors in the US for the Darfur stove. Recipient of the Large Corporations award, Schneider Electric, received a recognition award from the Prize.**

### Large Corporation Award



**Schneider Electric - A global specialist in energy management.**

**Snapshot:**

- Schneider Electric is a major player in energy efficiency, smart grid and connection of renewable sources and has achieved sales in excess of \$26bn in 2010.
- Growing energy demand necessitates the need for more energy efficiency measures and renewable energy. Schneider Electric deals with the former directly and the latter is reliant upon companies such as Schneider Electric to help integrate with the grid.
- Significant percentage (4-5%) of sales are spent on R&D and constant innovations and improvements to its core technologies.
- Schneider Electric has a prominent leadership and has partnerships with universities and research institutes across the globe.

**Quote:**  
Jean-Pascal Tricoire, President & CEO, Schneider Electric:  
"The world is in urgent need of innovative solutions to create a new, sustainable energy future."

The UAE's commitment towards sustainable development, which takes inspiration from the vision of the UAE's founding father, the late Sheikh Zayed Bin Sultan Al Nahyan and Abu Dhabi's efforts in this domain are a decisive first step towards meeting and solving the global energy challenge.

Schneider Electric is very proud to have been recognised by the Zayed Future Energy Prize as an organisation that is demonstrating innovation, leadership, and long-term vision in renewable energy and sustainability.

At Schneider Electric, we want to continue to lead this effort and are committed to producing innovative and efficient solutions to curb energy waste, promote clean generation and influence consumption habits that respect and help protect the environment. We will also continue to play an active role in the sustainable development of the UAE and particularly Abu Dhabi."

### Lifetime Achievement Award



**Dr Ashok Gadgil** - Based at Lawrence Berkeley National Laboratory (LBNL), Dr Gadgil is a leading scientist in the field of sustainability, focused on bringing the benefits of sustainable products to developing countries. He created UV Waterworks and the Darfur Stove, and was closely involved in ensuring the uptake of CFLs in developing countries (initially India and Mexico) funded by utilities.

**Snapshot:**

- His greatest impacts have been in the uptake of CFLs in the early 1990s, the creation of UV Waterworks and the Darfur Stove.
- He is Director of the Environmental Energy Technologies division at LBNL and holds numerous other senior positions globally.
- The focus on using sustainable solutions to benefit the developing world and essentially building on his existing work.
- Presenting utilities with a motive and a method of subsidising CFLs is a innovative approach and has had significant impact as did the designs of UV Waterworks and the Darfur Stove.

**Quote:**  
"Being selected the winner for the Zayed prize is a great honor and tremendous validation of my lifelong passion and efforts for energy innovation and sustainability. Looking at the list of past prize winners and runners up-some of whose work I know well-I am impressed with the energy and ingenuity of this group, and I hope that we can work together, and inspire many others, to advance the aim of the Zayed Future Energy Prize-energy sustainability for the planet. Vigorous efforts and political leadership are needed to make the concept of sustainability an integral part of policy decisions. Energy sustainability is a critical and integral part of the sustainability for the planetary ecosystem and of the human economic system, and we need to work quickly to forestall irreversible damage to the Earth's ecosystem and to human well-being. Winning the Zayed Energy Prize deepens my commitment to energy innovation for sustainability. Together with my colleagues and co-workers, I will continue to advance the research, design, testing, and scale-up of fuel-efficient low-emission stoves for about three billion people (mostly women) that use biomass for cooking. I will also continue to efforts to innovate, field test, demonstrate, and help scale-up the technology for arsenic remediation of drinking water for close to 100 million people in Bangladesh, West Bengal, and tens of millions of others elsewhere in their drinking water."

### SME/NGO Category:

#### WINNER

##### Carbon Disclosure Project



**Carbon Disclosure Project (winner)** - collects data on greenhouse gas emissions, energy and water usage from corporations globally across all sectors. CDP uses this data to help inform sustainability decisions and devise strategies.

**Snapshot:**

- The CDP works directly with the emitters and/or resource consumers to show them where they can achieve operational efficiencies and savings, and also how they compare against their competitors. In 2010 over 3,000 companies responded to its survey and the CDP shares this information. It also advises 60 global corporations on sustainability practices, and 300 cities are involved as well.
- Its leadership has helped develop the organisation and make it more financially sustainable by increasing annual donations from zero in 2001 to \$7.8m in 2010.
- Envisages a global mandatory reporting system which in turn makes for a more efficient and environmental way of life.
- The CDP model has shown that data aggregation can be an effective policy tool

**Quote:**  
**Paul Dickinson, Executive Chairman, Carbon Disclosure Project**

"We are delighted and honoured to be recognised by the Zayed Future Energy Prize for the work we have done at the Carbon Disclosure Project (CDP). Like the prize itself, CDP is committed to accelerating solutions that will meet the challenges of climate change, energy security and water scarcity. Winning this prize is a huge achievement and will help CDP to more rapidly catalyse change across the global economic system to prevent dangerous climate change, protect our natural resources and create long-term prosperity."

#### FIRST RUNNER-UP

##### Orb Energy



**Orb Energy is a solar distributor which designs and produces new products, from small DC PV appliances to larger PV panels and systems and more complex water heating systems.**

**Snapshot:**

- The company has sold around 30,000 solar systems benefiting an estimated 130,000 persons. Its revenue for 2010/2011 was \$6.6m and for 2009/2010 it was \$5.1m. Its gross profit margins during this period were 32% (2009/2010) and 35% (2010/2011).
- Its branch network is probably the company's major strength. Its good geographic distribution combined with the fact that the company has tie-ups with nearly 20 local banks allows Orb to serve remote rural markets.
- Orb Energy wants to expand its product range and continue its growth across India.

**Quote:**  
**Damian Miller, Chief Executive Officer**

"We would like to thank the Zayed Future Energy Prize and its judges for recognizing us and developing a clean energy future in India and contributing to world markets. Our energy future is upon us - today. We have the technologies at our finger-tips to transform the world's energy supplies. In our markets, the trick is how to get these transformational technologies to people who need them, making renewable energy accessible, affordable, and hassle-free to millions of people looking for a better alternative. That is what we do at Orb, day in, day out. And in so doing, we hope we play our role in helping to accelerate a clean energy future for all of us."

#### SECOND RUNNER-UP

##### Environmental Defense Fund



**Helps create policies and the market conditions needed to accelerate uptake of renewable energy in the US and globally.**

**Snapshot:**

- EDF has had close involvement with numerous private sector organisations to assist them in becoming more sustainable. It was set up in 1967 and generates over \$100m in total annual revenue. Its leadership has a high industry profile.
- Technologically agnostic but focused on attaching a cost to carbon. Via its training programs, it is certainly looking forward.

**Quote:**  
**Eric Pooley, Senior Vice President for Strategy and Communications of EDF**

"We are deeply honored that Environmental Defense Fund's renewable energy work has been recognized by the 2012 Zayed Future Energy Prize. "The prize will help us ensure that the smart grid will also be a green grid, enabling far greater penetration of renewable energy and electric vehicles in the U.S. and ultimately throughout the world. "It will also accelerate our work in energy efficiency. In recent years Environmental Defense Fund has helped companies, cities and universities find more than \$1 billion in potential energy savings, and we are just one of many organizations working in this area. By investing in energy efficiency, organizations can both reduce pollution and earn a substantial financial return. "We accept this extraordinary prize on behalf of a remarkable team of energy innovators, at Environmental Defense Fund as well as our partner organizations," added Eric Pooley, Environmental Defense Fund Senior Vice President for Strategy and Communications. "I particularly want to commend the work of our energy partners at the University of Texas at Austin, the Citizens Utility Board in Chicago, the Center for Energy Efficiency and Renewable Technologies in San Francisco and many others. Only by working together can we leverage all the innovations needed to secure a clean energy future. The example set by the late Sheikh Zayed inspires us, and many around the world, in these powerful collaborative efforts. We thank the jurors and the Prize administrators for recognizing our work and carrying on his legacy."

## A word from the Chairman of the Jury, HE Olafur Ragnar Grimsson, President of the Republic of Iceland



Speech by the President of Iceland Ólafur Ragnar Grímsson at the Award Ceremony Zayed Future Energy Prize Abu Dhabi 17 January 2012

**Your Highness Crown Prince Sheikh Mohamed bin Zayed Al Nahyan**  
*Your Excellency*

Dear friends  
We celebrate here tonight a remarkable vision, rooted in the legacy of Sheikh Zayed, promoted by the leadership of Abu Dhabi, strengthened through the shared vision of people all over the world - innovators, campaigners, thinkers, entrepreneurs, citizens, young and old.

In the few years since its inauguration, the Zayed Future Energy Prize has become a landmark, a signpost on our common journey towards a sustainable future, to an era when the children of all generations can enjoy the wonders of nature, secure and safe in their homelands.

Just as Sheikh Zayed led the people of the desert to greener farmlands, bringing water to regions of drought, the modern message of Abu Dhabi is a call for a global transformation, for a future where power plants will no longer threaten the climate and energy brings health and prosperity to all; a message made effective by Masdar, the Summit, IRENA, and other initiatives.

This call to action by Abu Dhabi has been heard in faraway places, as is witnessed by the nominations for the prize: Over a thousand from more than seventy countries, examined and assessed by a trusted

core of experts until finally the jury met in December for its final decision.

My fellow jury members have distinguished themselves in many fields, from academia to the arts, from public service to business success: the President of the Maldives battling rising sea levels which have already submerged some of his islands; the melting of the ice in no part of the world being the major culprit. A jury unique because no other has two Heads of State serving in the deliberations.

The winners tonight lead from the front, move the battleline closer to success, show how a global coalition is now emerging through lifetime achievements, public campaigns, corporate successes, innovation and visionary leadership.

We do not need any more lessons on the urgency to prevent irreversible climate change.

Now is the time for action. That is the distinction of the winners here tonight.

The Zayed Future Energy Prize thus brings a message of hope and a promise of a brighter future, examples of how, together, we can create a better world.

## The Process

Nominations for the Zayed Future Energy Prize were launched in May 2011 through a globally targeted campaign. In August, at the close of nominations, the Prize had received a record 1,103 submissions of which 425 were submitted by September, 2011. In the first stage of the evaluation process, an independent research and analysis firm conducted a diligent examination of each candidate's application. During the second stage, a Review Committee met on 23-24 October to evaluate each candidate and called the numbers to a select 33 candidates across all evaluation matrix based on the Prize's four criteria.

In the third stage of the judging process from 13-14 November, a Selection Committee comprising leading experts in the field of renewable energy and sustainability evaluated

the shortlisted entries. Submissions scoring the highest made it to the fourth and final round. The finalists included three candidates for the Large Corporations category, three candidates for the Lifetime Achievement Award and seven candidates who could win first, second and third prize for the SME & NGO category.

The Zayed Future Energy Prize was awarded annually to large corporations, individuals and SMEs and NGOs that have made significant contributions to the future of energy, climate change and sustainability. The 2013 edition of the awards will feature the newly instituted Global High School Prize to inspire a new generation of leaders and innovators.

## Zayed Future Energy Prize Workshop Help on Sidelines of the World Future Energy Summit 2012



On January 18, 2012, the Zayed Future Energy Prize invited several of its stakeholders to a closed workshop taking place at the World Future Energy Summit 2012. The Workshop was attended by Jury members, evaluation committee members as well as past winners and finalists who discussed the way forward for the Prize as well as possible evolutionary measures that would ensure that the Zayed Future Energy Prize is aligned with the ever-changing landscape of the industry.

The workshop took place a day after the annual Awards Ceremony in order to leverage on the attending audience. Industry experts, academics and representatives from the Abu Dhabi Government joined the group discussions.

As a result of this workshop, the Zayed Future Energy Prize has incorporated changes, that we believe will better fit the industry. In fact, these changes will serve to honor those important individuals and organizations and empower them with the tools necessary to achieve great successes for the industry in the years to come.

## Zayed Future Energy Prize Connects Innovators Online

**New hub showcases technology innovation in renewable energy and sustainability, and brings together renewable energy innovators worldwide**

Zayed Future Energy Prize, the world's preeminent award for innovation, leadership, long-term vision, and impact in renewable energy and sustainability, announced it has launched an Innovators Hub: an online directory that showcases the technology innovations in renewable energy and sustainability that have been receiving the years. The site was also launched to provide a networking platform for the renewable energy industry worldwide.

"The innovators hub builds on the assets of our prize by bringing past participants together, and fosters a healthy sustainable community centered on the prize. The Zayed Future Energy Prize has a distinct blend of innovation, entrepreneurial mindset, and collaboration, and we believe it will soon become the center of gravity for innovators in the world of renewable energy and sustainability", explained Dr.

Sultan Ahmed Al Jaber, Director General of the Zayed Future Energy Prize.

The first group of innovators listed are from the 2010 shortlisted candidates. With 40 entities featured, the new hub can provide a fantastic opportunity for innovators and entrepreneurs to connect around new technologies, projects and big ideas, and engage directly with the marketplace. Peer-to-peer communication opens the door to close collaboration and partnership opportunities which leads to a robust ecosystem for innovation.

"Innovation goes hand in hand with entrepreneurship. It means seizing new opportunities. It means harnessing solutions that can address the pressing global energy and climate issues that we face today. Entrepreneurship allows innovators to understand the market value and impact of their technologies and solutions. Essentially, our hub is about bringing together people with big ideas and people who can make them happen, which can help create a climate where

businesses can thrive", added Dr. Al Jaber.

The hub will serve primarily as an information and reference resource for the renewable energy community by providing a comprehensive directory of SMEs, NGOs, corporations and entrepreneurs all over the world that participated in the prize.

The hub seeks to promote open information sharing and collaboration among all participants. The aim is to pull together the best tools, practices, and content in the renewable energy innovation space.

The innovators hub can be viewed through this link:  
<http://zayedfutureenergyprize.com/index.php/en/innovators/2011-innovators>

## About the Zayed Future Energy Prize

The Zayed Future Energy Prize was created in honour of the legacy of the late Founding Father and President of the United Arab Emirates, Sheikh Zayed bin Sultan Al Nahyan. The prize aims to inspire the next generation of global energy innovators to create solutions for the future. The Prize is awarded annually to individuals, companies or organisations that have made significant contributions in the global response to the future of energy, climate change and sustainable global energy resources.