



Organization Details:

Organization Name
Organization Type (Business/NGO/Gov)
Website
Location /Address

BAHWAN ENGINEERING COMPANY LLC
BUSINESS
www.bahwanengineering.com
AL GHUBRA/ P.O. Box 703, P.C. 112, Ruwi,
Sultanate of Oman

Award Category

GREEN FOOTPRINT AWARD

Project Details:

Project Title
Location of Project
One Line Description of Project

ENVIRONMENTALLY SOUND COOLING SOLUTIONS

Various Buildings in Oman
Promoting use of Energy Efficient Carrier 30XA chillers results in lower electric energy consumption as compared to other similar chillers in this market

Effectiveness

What were your goals?

To reduce the consumption of Electric Energy consumed by air-conditioning systems in various buildings.

How have you measured your success?

Annual Savings of Electric Energy to the tune of **22.9 Million KWH** for details.

Please refer Attachment – 1 **Innovation & Creativity**

How were innovative methods, strategies or ideas applied?

Spreading the knowledge about Energy Efficient products through Technical Seminars, Factory Visits, One-to-one discussions with Consulting Engineers/Building Owners, etc.

Impact

How has the project/initiative/work motivated others to contribute to a greener Oman

Locally in Oman, the Consulting Engineers/ Building Owners are more aware about the benefits of using Energy Efficient Products and have started insisting on use of such products for their projects. **Globally**, Carrier's competitors are striving to manufacture products which match Carrier 30XA chillers in energy efficiency

Originality and Leadership

How has the nominee demonstrated vision, foresight and persistence?

With the relatively low cost and adequate availability of electric energy in the Sultanate, the need for having energy efficient systems was not felt for a long time. BEC was the first company in the country to start spreading awareness about benefits of energy saving products in partnership with global leaders such as Carrier, Bry Air, SPC, Ruks etc. It is the result of a persistent effort that more and more buildings are now being built with Environmental Impact in mind.

Continuity & Sustainability

How sustainable is the initiative carried out?

Every Building in Oman will continue to require Cooling (Air-conditioning). Air-conditioning systems are a major user of Electric Energy in any building. Use of Energy Efficient Air-conditioning products and systems is, thus, a very sustainable initiative.

Explain how it will be effective in the long term

Focus on improving energy efficiency of air-conditioning products/systems and use of innovative methods to reduce power consumption of air conditioning system can only further improve the situation in long term – what we have done so far is just the ***beginning of an awareness*** towards the need for energy conservation in buildings – this awareness will, in long term, result in design and construction of buildings which are more and more energy efficient.