

Project Details:

<i>Project Title</i>	First Fully Heat Insulated and Environment Friendly House in Oman
<i>Location of Project</i>	Al Ansab P4, Muscat
<i>One Line Description of Project</i>	First and the only house with heat insulation and solar power ready house build using minimum waste and materials, techniques that environment friendly.

Effectiveness

What were your goals?

- To reduce the electricity usage upto 60% and reduce CO2 emission
- Reduce the need for cooling equipment upto 30%
- Reduce the use of wood (shuttering) materials during construction upto 70%
- Minimum workforce compared with traditional method (30% less) which will reduce the waste and emission produce by the workers during construction.
- Reduce total construction debris and waste by 40%
- Structurally, the goal was to build the house to withstand extreme weather, with use of EVG-3D Panel anchored to reinforced concrete foundations. The house is built using EVG-3D panels, a foam-steel composite that creates a tightly sealed building envelope, making the home efficient and strong.

How have you measured your success?

Yes.
The above goals are met during the construction and after the completion of the above project

Innovation & Creativity

How were innovative methods, strategies or ideas applied?

By using alternative green and innovative construction system i.e. EVG-3D Panels. The model home is designed to be open and welcoming, maximizing natural light while minimizing passive solar heating in the warm climate. It allows for natural ventilation and steady airflow, reducing the need for air conditioning and heating. It has dark flooring which reduces the shines in the afternoon light and White colored walls to provide maximum lights and reducing the need for artificial lighting during the day. Furthermore, the house is solar-energy ready by providing the necessary provisioning required to install a solar panel to produce electricity.

Impact

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

By demonstrating the actual result of our green initiative and the unforeseen benefits of the system, many of our clients are welcoming the initiative and have implemented some elements of green and environmental friendly initiative in their projects. One of the biggest real estate deployments in Oman is considering using our system to build more than 250,000 m2 of buildings due to high energy saving that our system can offer.

Originality and Leadership

How has the nominee demonstrated vision, foresight and persistence?

Since day one, GoPoint Ta'meer leaders had put forward a simple question “would we build our homes using this technology?” it took us 6 years to finally land on the technology that would make us say ‘YES’ to the question above. We are an excellent grade Omani based company, that has Omani Shareholders and Managed by Omanis, we believe that this made us think twice before promoting any new solutions, so we had found that GoPoint Ta'meer has little option but to apply the best all rounded benefit solutions. It was our Client based approach that helped us penetrate the market with seamless effort, by considering the clients perspective we had managed to communicate and market our services in a very simple and reasonable manner. Our persistence in making this work was the core reason for success.

Continuity & Sustainability

How sustainable is the initiative carried out?

All GoPoint Ta'meer current and future projects will use EVG-3D system as standard system. More green initiatives are promoted via bundled serviced that GoPoint Ta'meer proposed to project owners. Along with lead consultants GoPoint Ta'meer is working closely to introduce the green housing in Oman.

Explain how it will be effective in the long term

When we first started operations, our Chairman placed an important comment, he said “This is going to be the future of Construction”, we have since worked on this basis, and the message has been spreading to our clients, partners and suppliers. We however, believe this system will further increase its market attractiveness since we are planning to commission the factories in Oman soon and thus providing even greater value for money.

On the other hand, we have been having requests from major developers in Oman, who want to carry out with us a combined study in seeing the effect of building

communities with this system on the electrical infrastructural requirements. Since they believe that such systems mean significantly less electrical consumption and thus a more environmental friendly social solution.



