

**Project Name**

Smart Palm

**Designer**

Viktor Nelepa

**Company Name**

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**Italian Dealer**

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for possible exposition in April

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**Description of innovation social values**

- product category
- formal and functional features
- problems solved by innovation
  - user
  - field of application

The Smart Palm project is an iconic fusion of easy access to information, Free WiFi and green technology. It is a unique project which is socially responsible and economically viable. Smart Palm is going to be installed in 103 locations across Dubai in beaches and public parks to facilitate quick and convenient access to information for the Public. Anyone who is within a radius of more than 100 meters from the Smart Palm will get free Wi Fi access. The public can relax at the Smart Palm and they can also recharge their smart devices for free. The Smart Palm concept, installed in various locations will help the general public gain access to various services and also get the information in a convenient manner, in keeping with vision of Dubai Smart City concept.

The Smart Palm is powered by Solar Panels to provide Free Wi Fi; Device Recharge Stations; Information Touch Screens and LCD Displays for Digital Advertisements. Above all the Smart Palm acts as a Relaxation Point as public can sit under the Smart Palm and relax. The entire structure is designed as a Smart Structure to accommodate the latest technology in the traditional and ethnic design of a Palm Tree. It is made using 3D Printing technology and is designed to handle the extreme hot weather in the UAE. The Smart Palm has been designed to create an Eco-friendly smart solution for General Public by using Renewal Energy which is sustainable for a foreseeable future. The economic viability of this project is provided by the Advertisement Panels and the branding opportunities that offer a unique platform for brands and retailers to advertise their companies and products by spreading a much needed awareness of the Smart City ideas which this project symbolizes.

**Description of technical features**

- operation
- technology

There are six main features in the Smart Palm station: Solar Panels harnessing the green & renewable energy of the Sun; Wi Fi Hot Spot; Info Touch Screen; 46" LED Display; Device Recharge Stations and Relax Points; Emergency Features. There will be four Sun Beds with solar panels around each Smart Palm installed on a beach location in order to generate additional electricity and to constitute one Smart Palm Package. The Touch Screen of the Smart Palm provides all the needed information on Government Services, Weather, Public Events, Tourist Attractions, as well as the ever most popular Take A Selfie feature which allows users to photograph themselves with a background towards a popular landmark. The emergency features are represented by the CCTV camera for video surveillance, as well as the spectacular lighting elements which are providing a much needed lighting to areas on the beaches and parks which are usually pitch black during nighttime.

**Dimensions**

5,6 meters height. The trunk is made out of a single piece by utilizing additive manufacturing technologies and the structure in its entirety represents the world's largest piece of outdoor furniture made with 3D printing.

**Materials**

It is made out of Glass Reinforced Plastic (GRP), and finished with wooden, acrylic and metal elements.

**Certification**

The project has been certified and endorsed by the Smart Dubai office and supported by various institutions like Dubai Municipality, Smart Media Office, Dubai Policy and many more.

**Benefits for environment**

Spreading awareness about the concept of sustainability and the use of green renewable energy which has nothing short of positive effect upon the environment. It is made out of eco-friendly materials and integrates various technologies which promotes the Smart City concept.

**Benefits for human being**

Easy access to information, connectivity and technology in areas which lack the means for providing such benefits, while being powered by renewable solar energy. Providing a retreat from unfavorable weather conditions and rechargeable station for mobile devices which have become essential part of our everyday lives.

**Acceptance of Terms**

**Compiling this form, I declare to agree and accept all the Terms and Conditions, Rules, Copyright and Privacy terms and Declarations specified in the Competition Brief.**