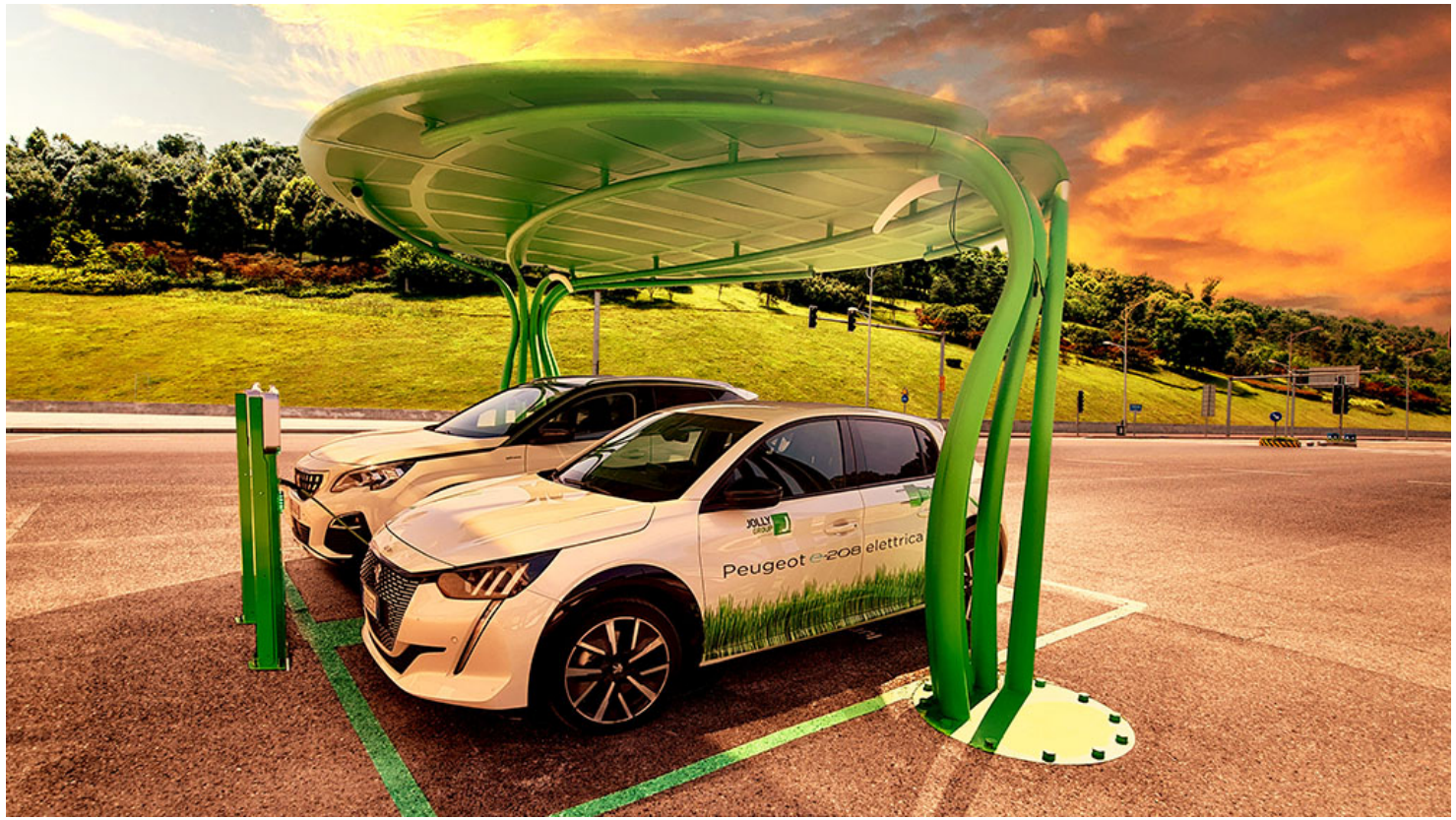

GreenArt


Green Islands
Smart Cities

MISSION – ECOSUSTAINABILITY

Planners, landscapers, businesses and, more than anything, institutions are now forced to think of new ways of constructing the environment where we all live. Technological innovation combined with environmental awareness is now indispensable for quality urban solutions ranging from micro to macro architecture where primary building needs involve energy efficiency, the use of renewable energy sources and materials recycling to be achieved. This is why, ever sensitive to ecological issues, has created Smart City designs, street lighting, photovoltaic parking and outdoor furniture systems able to meet the growing demand for constructions based on environmentally friendly criteria effectively.



PROFILE – INTERNATIONAL FACTORY

One of the world's leading manufactures in the production of energy transmission line towers, substation steel structures and telecommunication towers. Exporting to more than 135 countries with 7 factories operating in 4 separate locations and a production capacity of 235,000 tons per year. Founded from the passion for design that is able to combine advanced technological content and strong aesthetic impact, has over time specialised in the production of high-design products for Smart City, able to exploit solar and wind energy.

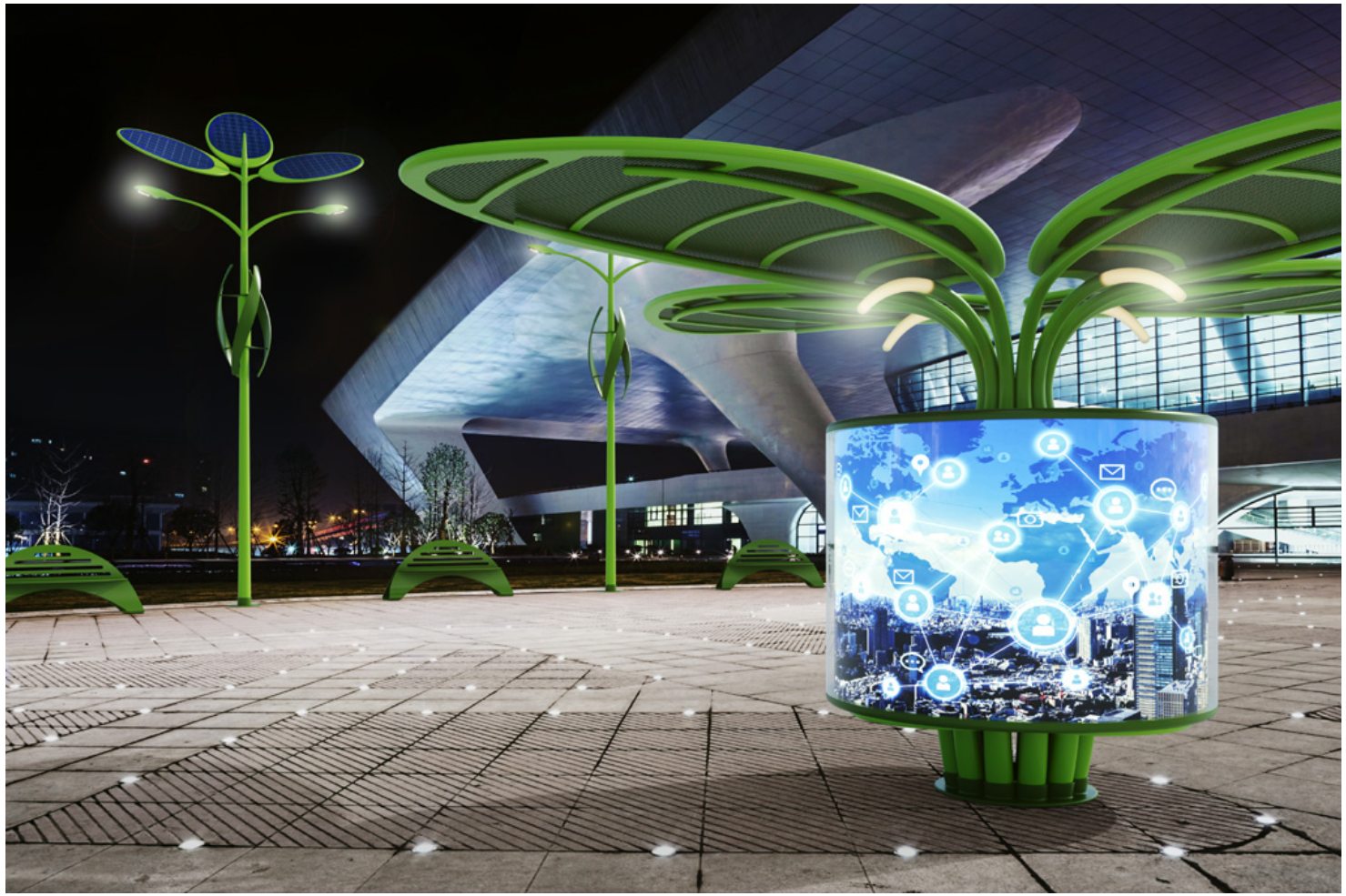
ANAS: TOGETHER FOR THE SMART ROADS AND GREEN ISLANDS OF THE FUTURE

We are proud to announce the definition of a framework agreement worth 30 million euros with Anas s.p.a. Ferrovie dello Stato Group lasting 3 years, for the supply of multifunctional supports relating to the “Anas Smart Road” project.

SOLAR-POWERED CARPARK

By alternating small and large leaves of the Lotus Collection photovoltaic canopy system, it is possible to create an elegant eco-sustainable car park that generates energy from the sun, with small leaves of 500 W and large leaves of 2.8 kW. In addition, after installation it is also possible to position charging points for electric cars, complete with info point touch screen.

colour variations



SOLAR-POWERED ADVERTISING SYSTEM

Here, thanks to a sophisticated 360° LED Video Display system, Lotus becomes a futuristic communications totem. A cylindrical outdoor display, diam. 195 cm and h.135 cm can be installed on every Lotus – Quatrefoil of 2 kW. The resulting highly impacting advertising space has real-time wireless updating and is ideal for road roundabouts, airports, railway stations, shopping centres, museums or exhibition locations.

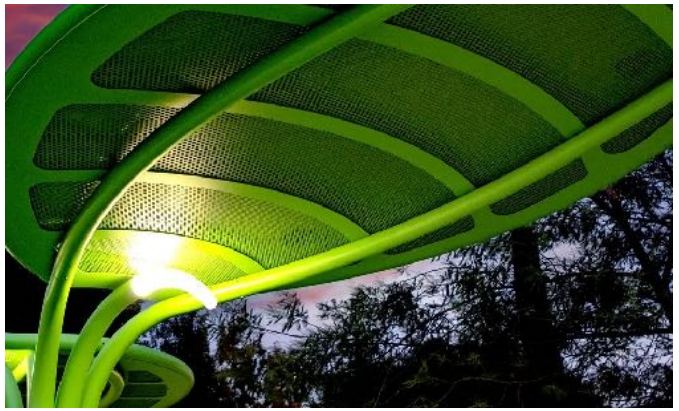
LOTUS SMART BUS STOP

Here the Lotus eco-furniture system is also a sculpturally intriguing bus shelter. The 8.7 sqm (500×220 cm) photovoltaic shelter can generate 1.2 kW. The large oval central element (400×200 cm) also contains comfortable eco-plastic seating together and an extensive area containing a LED 16/9 (220×120 cm) screen able to host advertising or local information, with real-time wireless updating.

quatrefoil

The QUATREFOIL roof with photovoltaic is an excellent solution for urban furniture. The shelf is made of stainless steel and aluminum and has a modern and attractive design. Photovoltaic panels are integrated into the structure and are able to produce clean and renewable energy

quatrefoil



one leaf

The ONE LEAF shelter is made of high quality materials, including 3 steel poles formed on HSP machines and a steel frame to include the solar panel (consisting of 3 individual photovoltaic panels). In addition, this shelf is designed to include a car charger to supply power to.

big leaf

Car parking for 2 cars with photovoltaic panels.
Double led lamp. The charging station can be added as an option.

car parking

Green products for Smart City.

The innovative line of products for urban furniture designed by the architect Giancarlo Zema, is characterized by the strong stylistic content, which conveys with extreme clarity the vision of a brand that combines innovation and green technology using energy from renewable sources, lighting with video surveillance and photovoltaic panel, car parking and shading with photovoltaic cover and with charging for electric cars, seats for exterior technological and in innovative materials.

lotus lighting

Inspired by the lotus flower leaves, the Lotus collection grows in Smart Cities of the Future to generate illumination in an environmentally sustainable way, obtaining from the sun the energy needed to work. The steel structure with variable sections accommodates the photovoltaic doors on top of 1.5 sq m able to generate 265 W each.

lotus lighting

pod lighting

An intelligent, solar-powered urban lighting system. The large photovoltaic panel covering is able to generate over 85 wp, sufficient to power the double high-power LED lighting with specific concentric lenses. In addition, an HD video camera also surveillance is built into the body.

pod lighting

POD SMART URBAN LIGHTING

With the Pod collection, you can have an intelligent solar-powered urban lighting system. The large photovoltaic panel covering is able to generate over 65W, enough to power the double high-power LED lighting with specific concentric lenses. In addition, an HD camera for video surveillance is also integrated into the body.

SMART ADVERTISING POLE

The solar-powered urban lighting of the Pod collection becomes Smart, thanks to the double, large, optional touch screen display. Perfect for communicating tourist and advertising information, as well as for recharging smart phones.

The pole becomes smart, thanks to the large optional touch screen display. Perfect for communicating tourist and advertising information, as well as for recharging smart phones.

SMART CHARGING POLE

The centralised system means each pole could be equipped with a water-tight sockets SCAME for recharging electric cars in fast way. The recharge can be paid electronically with a cashpoint or credit card. A small screen allows, in additional to the instructions and pay, also car's charging status, traffic and advertising.

bench and puff seats

We manufacture UHPC concrete outdoor seats. UHPC cement is a weatherproof and mechanical stress-resistant material that is used for outdoor seating. UHPC concrete seats come in different shapes and sizes, and can be customized to suit the customer's needs.

smart street lighting

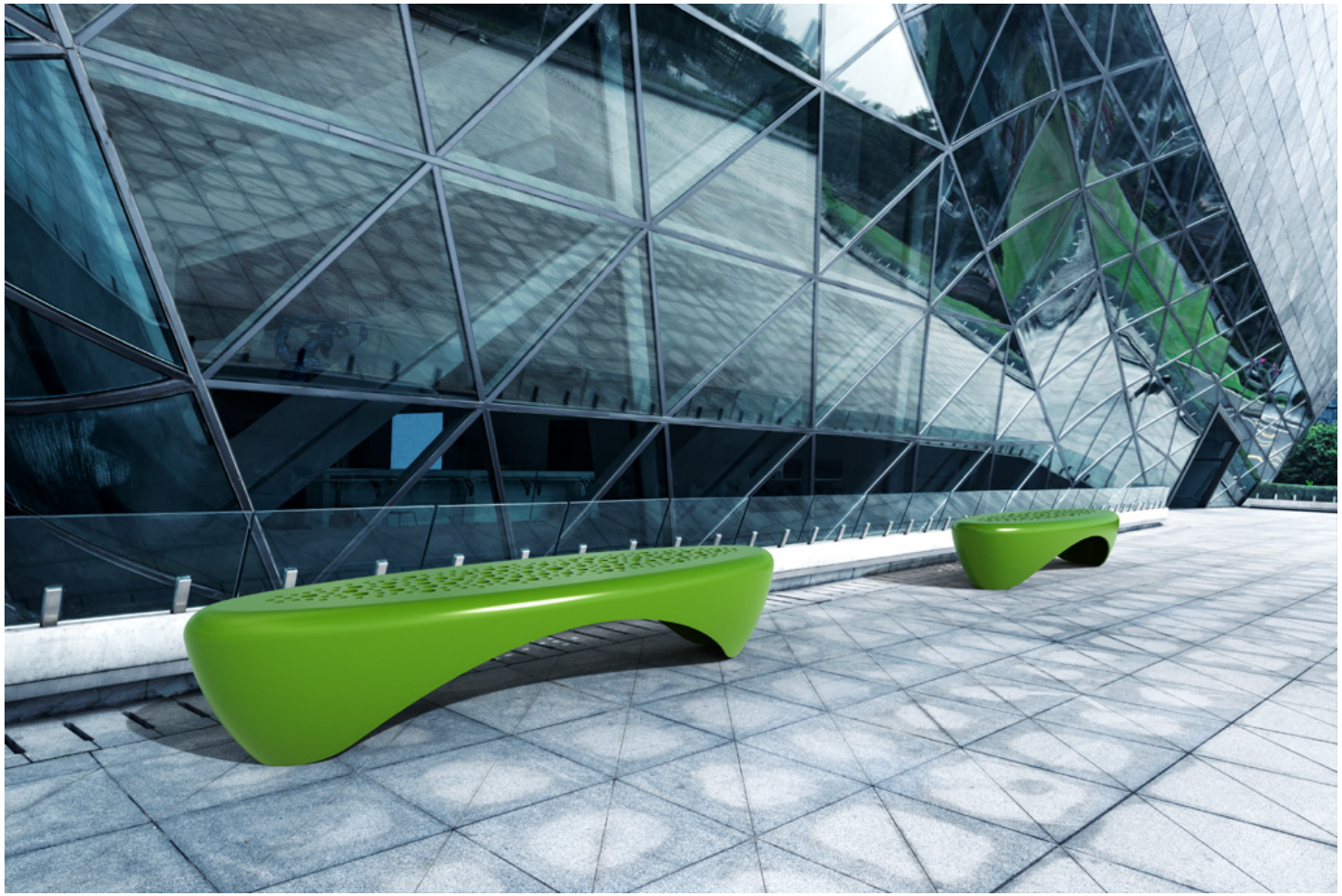
With the Lotus collection, you can have a smart street lighting system using solar and wind energy. The 360°adjustable leaves allow the maximum possible sunshine to be obtained in all locations. The wind turbine also generates energy at night.

LOTUS SMART LIGHT TOWER

The four-leaf clover light tower of the Lotus Collection can generate up to 2kW of power from the sun, using four large photovoltaic leaves. The vertical axis wind turbine can also generate up to 1.5kW at night. Lighting is guaranteed by four high power LED lamps with specific concentric lenses. In addition, HD cameras are integrated in the bodies of the lamps for video surveillance.

SOLAR-POWERED MODULAR SHELTERES

The Lotus collection photovoltaic canopy system has been designed to be self-sufficient and modular, so as to assume different configurations: small single leaf, double leaf, cloverleaf and medium and large leaf, for electric car or e-bike parking or charging stations.



POD SEATING

Inspired by the pods of lotus flowers, the Pod seating collection is expanding in the Smart Cities of the future to generate seats with a pleasant organic design and infinite chromatic possibilities, with a micro-perforated seat to avoid stagnation from rainwater. Size L. 200cm W. 60cm H. 42cm

smart poles – unique projects

Connectivity – The Smart Pole is a neutral host piece of urban infrastructure, hosting antennas within the structure and enabling the discrete implementation of the infrastructure for connectivity, whether 5G, Wi-Fi in motion (DSCR) or other, including a IoT gateways or public access point to allow people to connect to the Internet.

Banners – The Smart Pole can host banners for a range of outdoor messaging needs to promote local events, festivals and exhibitions, with eye-catching creative used to enhance the public space.

Stree Light – Smart Pole supports lamps for different light distribution characteristics and different lighting situations. Street lighting improves safety for drivers, riders, and pedestrians and can be used to create visual spaces that benefit communities and boost tourism.

Video Surveillance – The Smart Pole accommodates outdoor-ready CCTV services with HDTV 1080p for wide area coverage and detailed surveillance at a distance.

Climate Monitoring – Climate factors have a major impact on the health and wellbeing of communities.

Air Quality Monitoring – Tiny particles from exhaust fumes, car traffic and pollen all pose a risk to people as they navigate public spaces. Poor air quality can contribute to respiratory and coronary diseases. As such, measuring the Air Quality Index is an essential function of every Smart City.

Led Screen – The Smart Pole is designed to carry a range of outdoor visual displays, including a 48 inch and 72 inch screen. Visual display monitors are now a staple in Smart Cities, and provide an onthe-go resource for the public to access information and stay connected.

Digital Signage – Uses for visual display screen include: weather updates, public transport schedules, live way finding, city service information, local community information and emergency notifications.

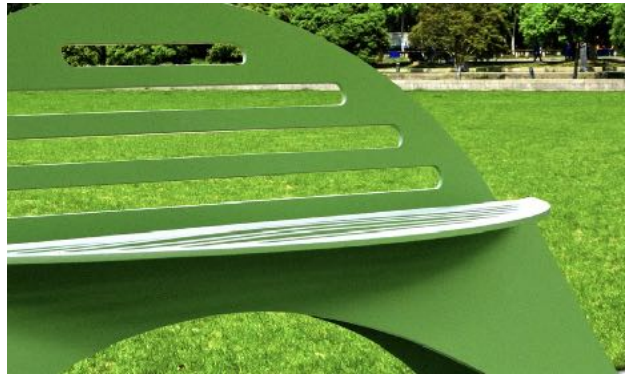
ninfea

SHELTER FOR URBAN FURNITURE WITH
PHOTOVOLTAIC PANELS AVAILABLE IN DIFFERT HIGHTS.

The structure is made of galvanized and painted steel,
material: S275JR UNI EN 10025 steel.

steel seats

The single and double steel seats are available in different shapes and sizes. Single steel seats are made up of one seat, while double steel seats are made up of two seats. The steel seats are resistant and durable, and can be customized to the customer's needs.



LOTUS SMART CHARGING LEAF

The centralised system means each parking space is equipped with two water-tight sockets SCAME for recharging electric cars in slow and fast way. The recharge can be paid electronically with a cashpoint or credit card. A large 19 inch touch screen allows, in addition to the car's recharge status, also tourist information, traffic and advertising.

LOTUS E-BIKE

Lotus is also an innovative eco-sustainable, pedal assisted electric bike sophisticatedly designed. The main aluminium structure is just one single curve starting from the front of the bike, to incorporate the pedals at the centre, before enveloping the back wheel concealing the integrated battery and the brushless BionX electric motor, which finally ends below the comfortable saddle. The maintenance-free cardan shaft transmits pedaling power accurately and silently. The large LED touch screen display also gives information on charge status, road systems and conditions and the nearest Lotus recharging points. A highly intuitive system and maximum comfort are the happy result of its extremely ergonomic shape and practical storage containers.

LOTUS E-SCOOTER

Lotus is also an innovative electric scooter with an attractive design. The main structure in aluminum with a sinuous and elegant shape starts from the handlebar to get to the rear wheel through the large platform that allows you to rest your feet even parallel. The large LED touch screen display also gives information on charge status, road systems and conditions and the nearest Lotus recharging points. A highly intuitive system and maximum comfort are the happy result of its extremely ergonomic shape.

LOTUS E-BIKE RECHARGING STATION

Here the Lotus system is also an amusing and functional electric bike recharging point. Its 8.7 sqm (500×220 cm) photovoltaic shelter can generate 1.2 kW. The six “bud” bike docks are the perfect design solution for recharging and parking individual E-bikes. A special electronic system means top-ups can be paid by cash point or credit card.

MISSION – ECOSUSTAINABILITY

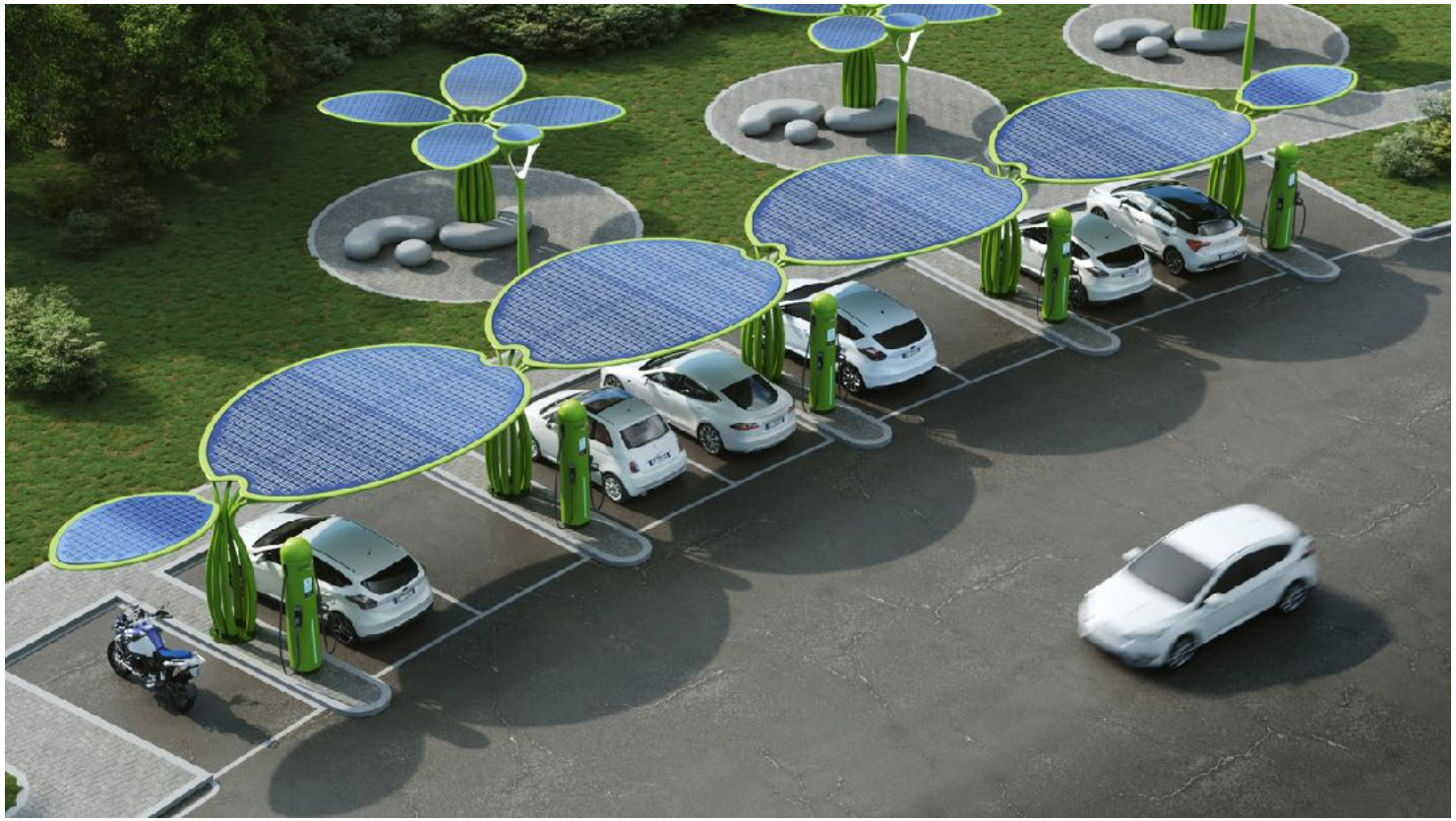
Technological innovation combined with environmental awareness is now indispensable for quality urban solutions ranging from micro to macro architecture where primary building needs involve energy efficiency, the use of renewable energy sources and materials recycling to be achieved. This is why our company ever sensitive to ecological issues, has created Smart City designs, street lighting, photovoltaic parking and outdoor furniture systems able to meet the growing demand for constructions based on environmentally friendly criteria effectively.

Green Islands are planned along the Smart Roads, real oasis of eco-sustainability, where clean energy will be generated and distributed. The objective of the Green Islands is to power and manage all the devices of the Smart Road.

Specializing in green products for Smart City, will provide the innovative street furniture equipped with systems for the production of energy from renewable sources, lighting and video surveillance of the Green Islands.


anas


unicaoil




FERROVIE
DELLO STATO
ITALIANE


Varese

GREEN GOOD DESIGN AWARDS 2024 Chicago | USA

GOOD DESIGN

THE CHICAGO
ATHENAEUM MUSEUM
OF ARCHITECTURE AND DESIGN

GREEN GOOD DESIGN Awards 2024

GreenArt

cyprus

Limassol

+357 25 030 619
sales@greenart.world
www.greenart.world

3095 Limassol

Limassol Warehouse
3015 Limassol

Greece

Athens
+30 215 215 1643
sales@greenart.world
www.greenart.world

Athens Warehouse
GR-19400
Athens International Airport
Attiki Odos (Exit Local Roads)

Thessaloniki Warehouse
GR-57009
Thessaloniki National Road