

# Elegant Solar Parking Structures and Systems

DESIGN • FABRICATE • INSTALL



**SOLAIRE** GENERATION

INNOVATIVE SOLAR SOLUTIONS

**Solaire Generation** specializes in transforming outdoor parking lots into beautiful power plants. Solaire's mission is to provide our clients with the best in system and canopy design, fabrication, technology and installation. We are driven to make a significant and enduring contribution to the development of solar energy.

#### Proven Market Leader

Solaire Generation is recognized by Fortune 100 companies, the US military and major universities as the leading innovator in the market for solar carport structures and systems. Solaire installed a 3.6 MW Premium F1 canopy system for Dow Jones, the largest corporate solar parking project in the US. Rutgers University selected the Solaire 360 solar carport structure for an 8MW project, one of the largest solar parking projects in the world.

#### Scope of Services

Solaire offers a full range of services to meet the needs of our customers from project planning and analysis through construction and commissioning. At a minimum, for all our projects we design, engineer, fabricate and deliver canopy structures. Solaire is pleased to also offer canopy installation as well as full turn-key solutions. Our specific services include:

#### Preconstruction Professional Services

- System Sizing & Site Project Layout
- Site Analysis
- Feasibility Studies & Financial Analysis
- Site Survey & Geotechnical Engineering
- Scheduling & Phasing
- Structural Engineering
- Building Board Documents & Testimony
- Permitting: Drawings, Testimony & Administration

#### Construction Professional Services

- EPC: Engineering, Procurement & Construction
- Project Management
- Design & Fabrication
- Site Work
- Steel Erection
- Controlled Inspections & Testing Services

#### Operations & Maintenance

- System Monitoring
- System Maintenance

#### Your Partner for Complete Solar Solutions

Solaire Generation has a proven track record of satisfying the most rigorous standards for safety, quality, safety and performance. We complete projects on time and on budget. Partner with Solaire Generation and enjoy the benefits of a streamlined contract bidding and installation process.

#### Select Client & Project List

Johnson & Johnson ITS	2.2 MW
Johnson & Johnson Janssen	2.1 MW
Dow Jones	3.6 MW
General Electric	100 kW
Samsung	917 kW
Munich RE	2.4 MW
The Connell Company	1.3 MW
Opex Corporation	300 kW
Firmenich	435 kW
Rutgers University	8.0 MW
Univeristy of Texas SW	300 kW
Florida Power & Light	105 kW
NJ Meadowlands Commission	120 kW
US Marine Corps	250 kW
US Army Corps of Engineers	225 kW

#### Economic and Environmental Benefits

- Reduces and fixes energy costs
- Recoup investment in as little as three years
- Increases parking satisfaction and experience
- Reduces property carbon footprint
- Generate new revenue streams
- Contributes to as many as 10 LEED certification points
- Take a significant step towards energy independence



2.2MW solar canopy system at a Johnson & Johnson campus

# Innovations

Solaire Generation leads the competition in design, innovation, technology and functionality. Our commitment to quality and value is embodied in the architecture, materials and construction of our patented and patent pending structures and systems.



### Solaire Premium™

- Patented dual-incline structure combines exceptional functionality and style
- Safely manages rain, snow and ice



### Solairis™

- Affordable and elegant patent pending single-incline design
- Inclination is customized to provide optimal energy output



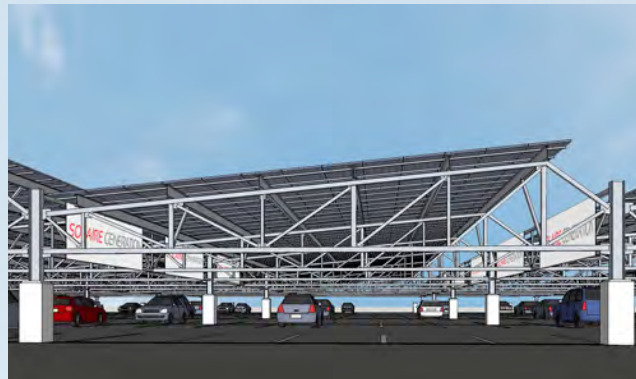
### Solaire 360™

- Patent pending dual-incline structure, competitively priced
- Safely manages snow and ice



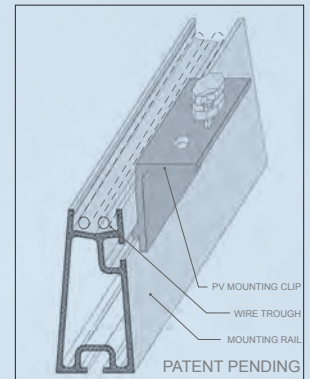
### Solaire EV/PV Charging Station™

- Seamlessly integrates with OEM electric vehicle charging stations
- Advertising / sponsorship is an optional feature



### Solaire Long Span R5™

- Modular truss system installs on new and existing parking garages
- Patent pending design is engineered for all regions



### Solaire Max Rack™

- System saves money in field labor, installation time and maintenance
- PV panels are mounted on grade or off-site and hoisted as units

## Competitive Advantages

### Safety Clearances/Security

- Snow & Ice protection
- Best in class clearances minimize possible collision with commercial vehicles and maintenance equipment.
- Easily incorporates security cameras and systems

### Water Collection

- The Premium™ offers optional rain water harvest for gray water use

### Lighting

- Customization available to satisfy client preferences and IES light level requirements

### Universal PV Components

- Supports all commercially available solar panels, inverters and exterior rated combiner boxes

### Electric Protection

- Power column piers encase and protect AC & DC conduit.
- PV strings are protected with custom wire guides

### Durability

- Concrete piers protect structural steel from vehicle damage.
- All exposed structural steel, bolts and welds are typically 2' above asphalt, minimizing corrosive effects from water and salt

### High Energy Yields

- Generates high-energy output for each geographic location and specific site orientation

### Branding / Advertising

- Creates additional revenue opportunities

### Charging Station

- Integrates with commercially available OEM electric vehicle charging systems

**SOLAIRE™**  
**GENERATION**  
 DESIGN FABRICATE INSTALL



## Featured Clients and Projects



## The Solaire Generation Commitment

The patented and patent pending Solaire Parking Structures and Systems combine durability with function and style. We partner with solar integrators, developers and property owners nationwide and globally in order provide our clients the best in canopy design, fabrication, and installation.



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