



# OTIS ELEVATOR COMPANY

Florence, SC

## 1.22 MW Ground-Mounted Solar PV Array

Hannah Solar Government Services (HSGS) was contracted by Otis Elevator Company to design and install a solar photovoltaic (PV) array at their Florence, SC location. A 1.22 MW (DC) ground-mounted PV system was installed, featuring 3,660 Seraphim solar modules that are supported by a Solar FlexRack structure and connected to SMA Sunny Tripower inverters.

Their solar PV array generated approximately 1,800,000-kilowatt hours (kWh) of energy in the first year of production. The energy produced from the system will continue to assist in powering the day-to-day operations of the manufacturing plant.

Otis Elevator Company is an American company that manufactures elevators, escalators, and other related equipment. Their Florence location is one of the largest employers in the PeeDee region of South Carolina and is responsible for much of Otis Elevator's manufacturing needs.



### Project Specifications:

**Customer:** Otis Elevator Company

**Project Value:** \$1.8 M

**Project Completion:** May 2018

**Role:** Prime Contractor – Designer and Installer

### Equipment Specifications:

**Modules:** Seraphim

**Inverter:** SMA Sunny Tripower

**Structure:** Solar FlexRack

**ABOUT US:** Hannah Solar Government Services (HSGS) is a Service-Disabled Veteran Owned Small Business (SDVOSB) leading the way in global energy security by designing and building renewable energy and microgrid systems. HSGS specializes in the design, engineering, construction, and maintenance of solar PV, energy storage, and microgrid systems. Serving government, commercial, industrial clients, HSGS' breadth of experience includes projects that span the continental United States as well as overseas.



Hannah Solar Government Services  
A Service-Disabled Veteran Owned Small Business  
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[www.hsgs.solar](http://www.hsgs.solar) | 843.718.1866

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# OTIS ELEVATOR COMPANY

Florence, SC

## 1.22 MW Ground-Mounted Solar PV Array

Hannah Solar Government Services (HSGS) was contracted by Otis Elevator Company to perform regular preventative and reactionary services for the solar photovoltaic (PV) array at their Florence, SC location. In 2018, HSGS designed and build a 1.22 MW (DC) ground-mounted PV system, featuring 3,660 Seraphim solar modules that are supported by a Solar FlexRack structure and connected to SMA Sunny Tripower inverters.

HSGS has performed annual inspection and preventative maintenance for the Otis facility since 2018. These services include, but are not limited to:

- System electrical tests
- I-V curve trace measurements
- Module cleaning
- Torque checks
- Remote monitoring services
- Updating the system with the latest technology



### Project Specifications:

**Customer:** Otis Elevator Company

**Project Value:** \$10K annually

**Project Duration:** 2018—Ongoing

**Role:** Prime Contractor – Maintenance

### Equipment Specifications:

**Modules:** Seraphim

**Inverter:** SMA Sunny Tripower

**Structure:** Solar FlexRack

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