



SOLAR ARRAY PRODUCTS

Northrop Grumman is the industry leader in the design, development, and production of unique and turnkey solar array systems that provide electrical power to spacecraft systems.

MISSION HIGHLIGHTS

Our lightweight arrays have powered a variety of critical missions, including:



The James Webb Space Telescope



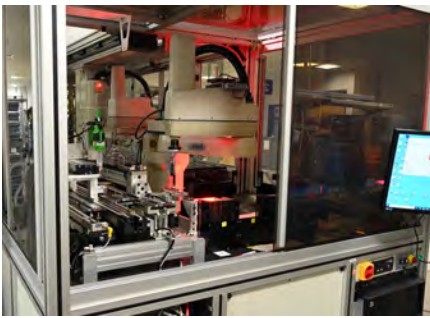
Global Positioning System



STSS & other government space programs



NASA's Messenger space probe & Fast Auroral Snapshot Explorer



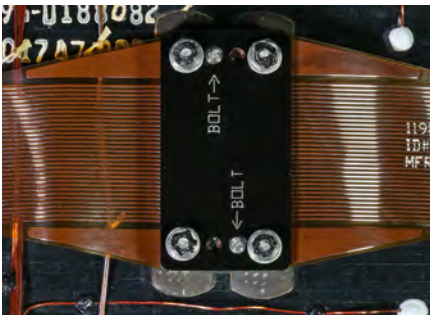
Automation

Photovoltaic subassemblies feature the latest technologies to weld or solder with robotic automation, connecting solar cells into circuits up to six feet in length. The solder connection is non-lead, high temperature capable, and superior to welds.



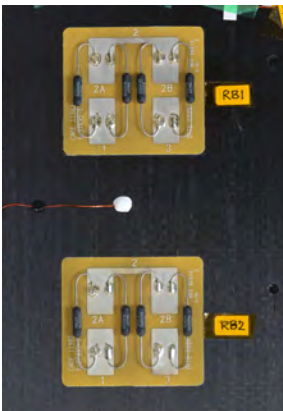
Covered Interconnected Cells (CICs)

Advanced integration of solar cells and coverglass for CIC assemblies, which use a wide range of manufacturers and cell types, multijunction III-V based, as well as thin film and Si-based.



Circuit Trace Harness Connectors

Unique in the industry, connectors join circuit trace harnesses with simple spring-driven pins developed and qualified to withstand thermal and radiation environments. No soldering or welding is required. Connectors can be custom ordered to meet individual needs.



Resistive Wing Isolation Board Assemblies

Flight-proven in the most extreme environments of space to provide protection from shorting failures.



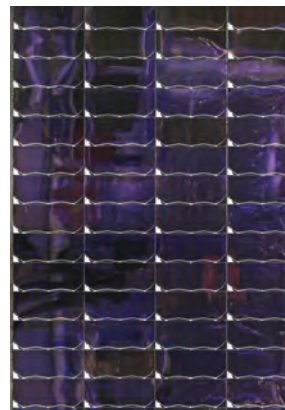
Platinum Resistance Thermometer Assemblies

Full temperature range capable, manufacturing friendly, and flight-proven from -185C to >300C.



Blocking Diode Assemblies

Flight-proven radiation resistant, Electro-Static Discharge proof, micrometeoroid/debris resistant.



Solar Cell Strings

Any shape or configuration with the above cell technologies.

For more information, please contact: SVPP@ngc.com

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