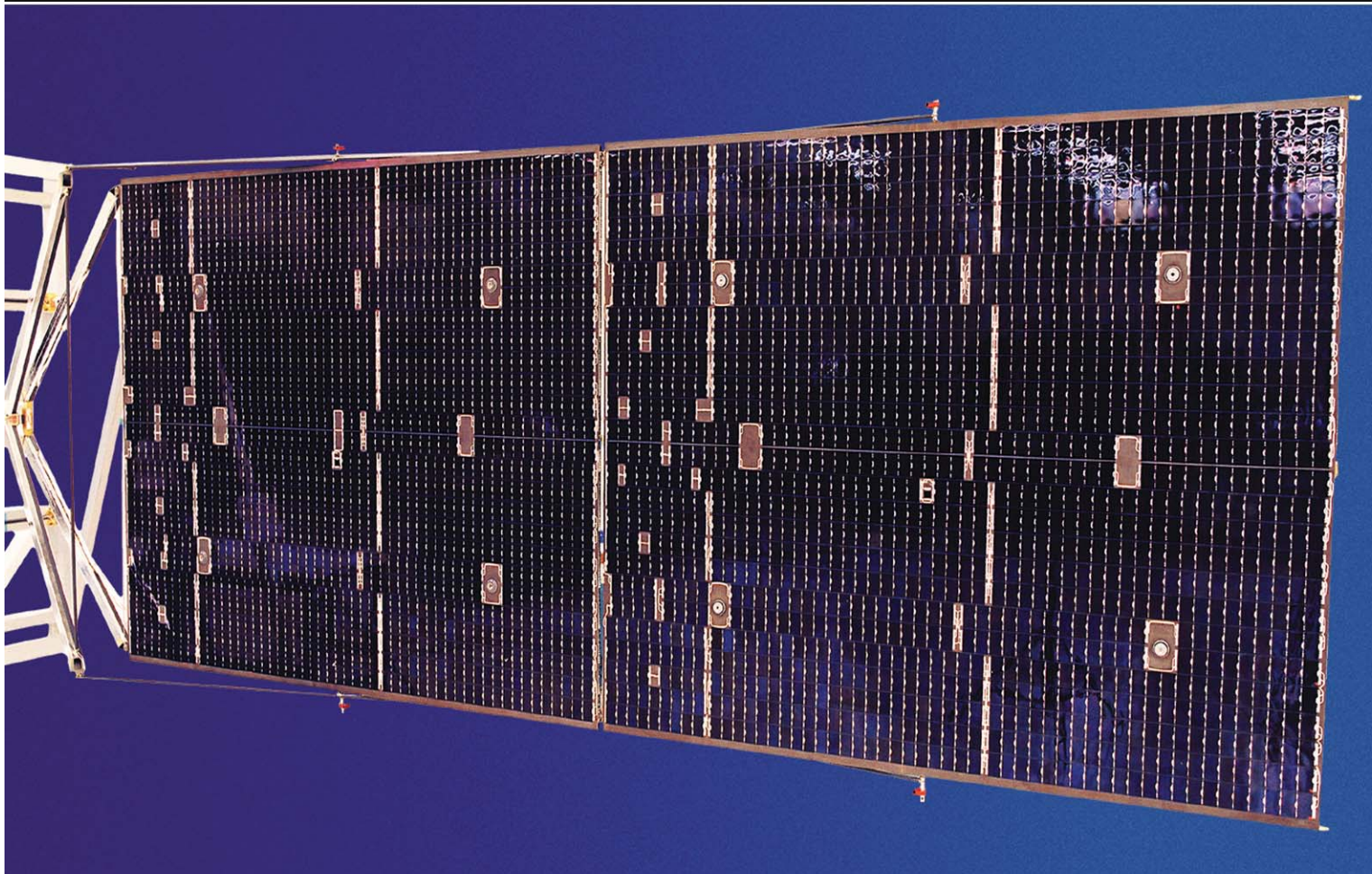


Rigid Panel Solar Arrays



ATK is the leading worldwide independent provider of solar arrays

Performance Features

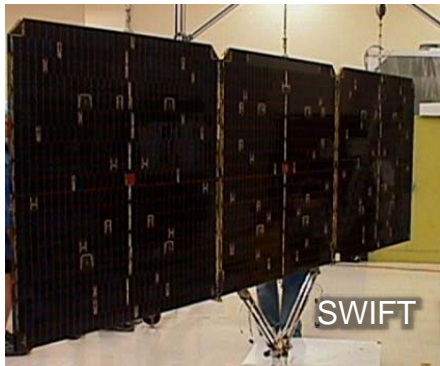
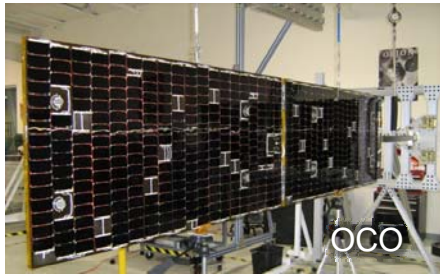
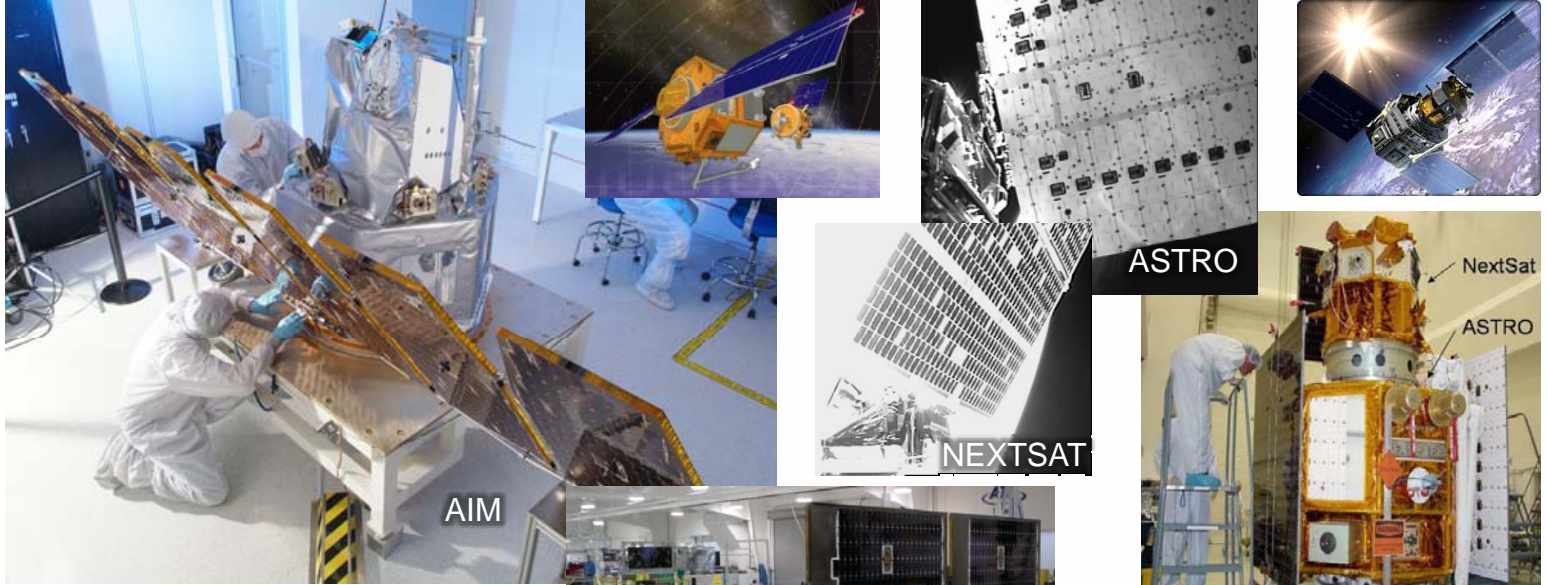
- Adaptable sizes and interfaces based on flight- proven designs
- All photovoltaic technologies accommodated
- Stiff, lightweight composite structures
- Synchronized deployment
- Non-pyrotechnic release system
- Stowed transfer orbit power
- Long or traverse axis deployment
- Scalable for any power requirement by modular assembly
- Multiple panels per wing
- Transfer orbit thermal shield capability

Application Benefits

- 100% flight success platform
- Low risk, heritage technology
- Simple, easily adaptable spacecraft interfaces
- Flight heritage components and processes
- Over 350 panels produced
- Over 100 wings produced
- Multi-stage deployment options
- High voltage capability
- High throughput
- Low NRE



Rigid Panel Solar Arrays



Program	Orbit	Customer	Panels/Wing	Wings	Cell Mfg. & Type
MISTI 3	LEO	Spectrum Astro / USAF	10	2	SPL SJ
GPS IIF	MEO	Boeing Satellite Systems	3	12	SPL TJ
INDOSTAR	GEO	CTA Space (Orbital Sciences)	6	2	SPL TJ
NMP DS1	inter-planetary	NASA/JPL/BMDO	4	2	TEC DJ
BSAT 2A, 2B	GEO	Orbital Sciences	6	4	SPL SJ
NSTAR-C (STAR-2)	GEO	Lockheed Martin / Orbital Sciences	2	2	EPV ATJ
SWIFT	LEO	Spectrum Astro	3	2	SPL UTJ
GPS IIF-M	MEO	Boeing Satellite Systems	3	24	SPL TJ
PAS 1-3 (Galaxy)	GEO	Orbital Sciences	2	6	EPV ATJ
BSAT 2C	GEO	Orbital Sciences	4	2	EPV ATJ
TELKOM 2	GEO	Orbital Sciences	2	2	SPL UTJ
NextSat	LEO	Ball Aerospace	2	2	SPL UTJ
ASTRO	LEO	Boeing Satellite Systems	2	1	EPV ATJ
AIM	LEO	Orbital Sciences	6	1	EPV ATJ
Optus D1	GEO	Orbital Sciences	3	2	SPL UTJ
Optus D2, D3	GEO	Orbital Sciences	4	4	SPL UTJ
OCO	LEO	Orbital Sciences	2	2	EPV ATJ
Wild Geese	GEO	Orbital Sciences	2	2	SPL UTJ
Intelsat 11, 15, 16KuKu	GEO	Orbital Sciences	4	6	SPL UTJ
Horizon-2	GEO	Orbital Sciences	3	2	SPL UTJ
MEASAT-1R	GEO	Orbital Sciences	3	2	SPL UTJ
THOR-IIR (THOR 5)	GEO	Orbital Sciences	4	2	SPL UTJ
PAS 11R (KOREASAT-6)	GEO	Orbital Sciences	3	2	SPL UTJ
C/NOFS	LEO	General Dynamics	7	1	SPL UTJ
TacSat 4	LEO	NRL/APL	4	1	SPL UTJ
AMC-21, 5R, FM1, FM2	GEO	Orbital Sciences	4	8	SPL UTJ
STP-SIV	LEO	AeroAstro	2	3	EPV ATJ

SPL = Specrolab, Inc.
EPV = Emcore Corp.

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