CHALLENGES OF SPACE
POWER BEAMING & ANCILLARY SERVICES

Made in Space Archinaut

Sierra Nievada Dream Chaser

Space X Dragon

Cygnus

DATA

POWER & DATA

TECHNOLOGY DEPLOYMENT

25kW Solar Dynamic Systems Array

International Space Station

SURFACE TO SURFACE

Lunar Village

Lunar Mining

SOLAR RAYS

SOLAR ARRAY

POWER TRANSMITTER

MINING RIG

POWER

SPACE TO SPACE

SPACE TO MOON / ASTEROID

SPACE TO EARTH

TECHNOLOGY DEMONSTRATION

Reattechment with ISS

Detachment from ISS

Coorbit with ISS

Alpha Cube Sat

Ground Tracking Lunar Resonance Orbits

POWER & ANCILLARY SERVICES

Lunar Orbital Infrastructure

SPACE TESTBED

GROUND TESTING

SPS-Alpha

Deep Space Industries Mothership

Deep Space Industries Mothership

Deep Space Industries Mothership

RFID Impactors Deployed from Motherships

Xtraordinary Innovative Space Partnerships, Inc

XISP INC.

GROUND TESTING

- Cognitive SDR Transceiver
- Converged Electro/Optics
- W Band & Optical Apertures
- Piecewise Efficiency
- Reflectarray Rectenna
- Beam Forming
- Mgmt Operations Control Applications

SPACE TESTBED

- ISS Mounted Transceiver
- Deployable Rectenna
- 6U Flight Test Article
- Optimized frequencies
- End-to-end Efficiency
- Scaling/Modularity
- Multiplexing Ancillary Services

TECHNOLOGY DEMONSTRATION

- ISS Co-orbiting Crew-tended Free-flyer
- Propulsion Augment Demo
- Space Based Propellant Depot Ops Demo
- Disaggregated Formation Flying Spacecraft Demo
- Plug-in/Plug-out Tech Demo
- ISS Solar Dynamic Power Augment

TECHNOLOGY DEPLOYMENT

- Power & Ancillary Services Beaming Interface Kit(s)
- Dispatchable Power & Ancillary Services
- Cislunar Propulsion Services
- Kilowatt Scale Power & Ancillary Services
- Megawatt Scale Power & Ancilary Services
- Gigawatt Scale Power & Ancillary Services

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