



S SPACE FORGE

MAKING SPACE WORK
FOR HUMANITY

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Space Forge, a company that utilises the space environment to manufacture advanced semiconductor materials for critical infrastructure, ensuring more powerful and resilient capabilities across telecommunications, aerospace, and quantum.

– NATO Innovation Fund on their Space Forge investment



Global Overview

Space Forge Limited
Founded
Cardiff, Wales
Joshua Western, CEO
Andrew Bacon, CTO

First satellite built and
license awarded

Space Forge and
Northrop Grumman
agreement to
explore in-space
manufacturing

Awarded £7.9M for
UK National
Microgravity
Research Center

In-Space
Manufacturing
of advanced
materials on
repeatable
ForgeStar
missions



Space Forge, Inc.

- Free-flying research platforms
- Re-launchable, returnable satellites
- Advanced material space production

We are witnessing the start of the next industrial revolution and it is occurring in space.

3 Unique Technologies

Pridwen

Fully-reuseable heatshield and re-entry system.

Payload

Reactor for use on-orbit. Capable of producing 14 different material classes.

Aether

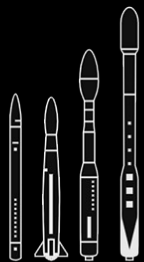
Re-entry prediction tool with live data and order of magnitude improvement in accuracy

The ForgeStar®

– Returnable Platform as a Service

LAUNCH VEHICLE RELEASE

Above 500 km to access ultra high vacuum



LAUNCH

Compatible with most small, medium, and heavy vehicles



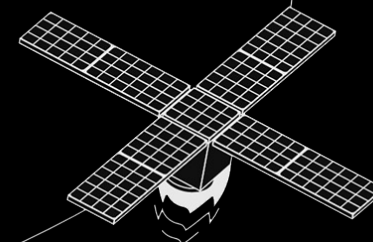
IN-ORBIT OPERATION

Up to six month mission offering 100% average



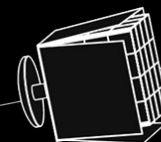
RAPID ORBIT LOWERING

Up to one month



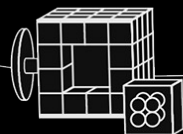
TARGETED REENTER

<100km landing zone



LANDING

Autonomous recovery. Land or sea



VEHICLE REFURBISHMENT

Repair for next launch. Removal or refurbishment of payload

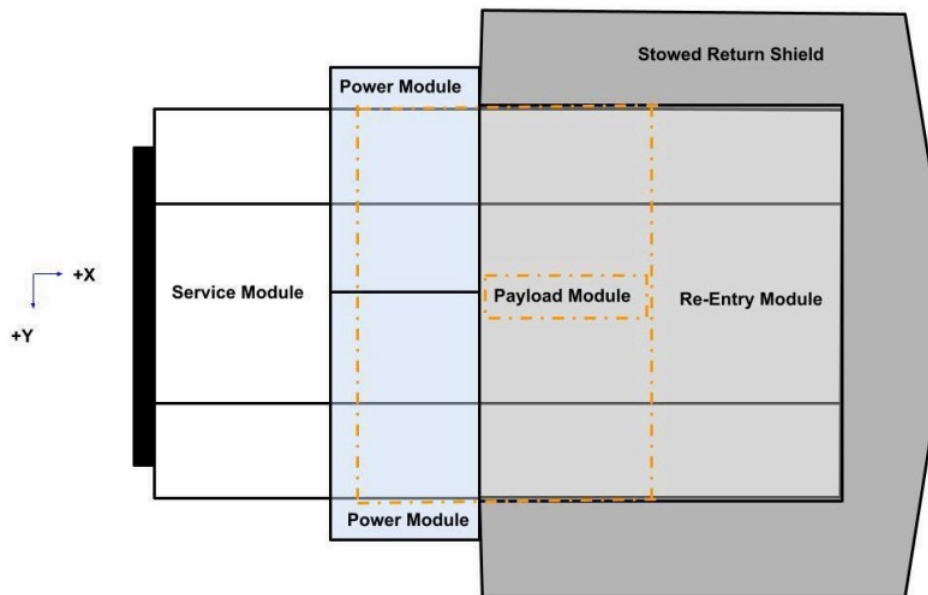
The ForgeStar®



Unclassified; Public Information

Stowed Pridwen Return Shield

Launch Configuration



Deployed Pridwen Return Shield

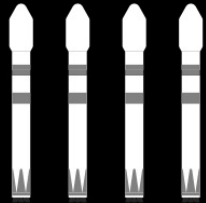




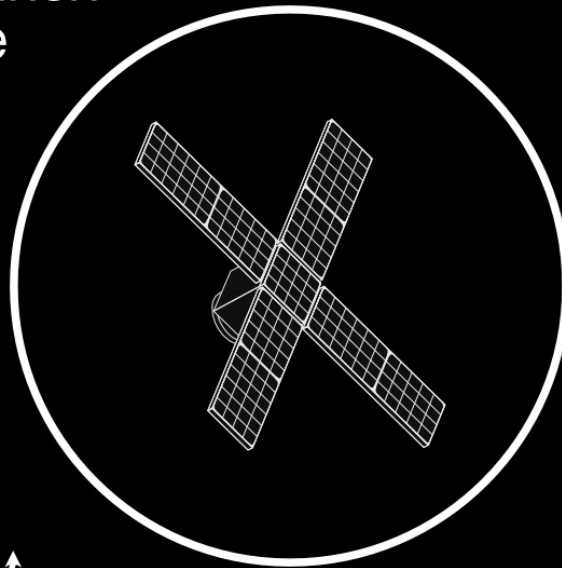
2kW average
orbit power



Mission
length of your
desire



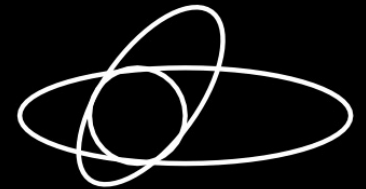
Frequent launch
cadence



Enhanced thermal
capability



Return to either
Hemisphere



Multitude of
supported profiles -
including cislunar
return



Dedicated or
Rideshare

Thank you!

Questions & Answers

Visit **Space Forge** at
Booth 10

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