

UKVL: SUTHERLAND

BACKGROUND



In 2014, UK Government announced its' committed to enable access to space from the UK.

Their vision is to have small satellite or sub-orbital spaceflight operations from a UK spaceport in the early 2020s.

Independent options assessment of potential sites for a spaceport identified Sutherland as a strong candidate.

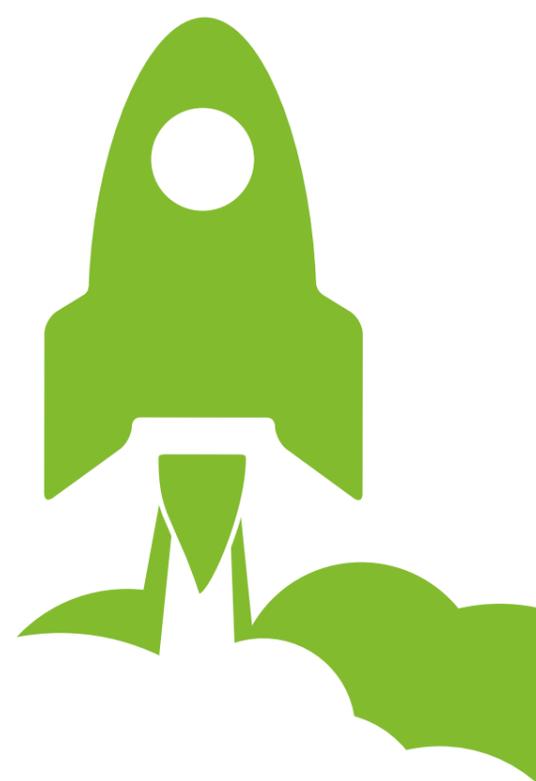
The Moine, Tongue was identified as the location allows for:

- Access to low earth orbits
- Promixity to skilled labour
- Low density of population
- Future opportunities for supply chain

In July 2018, the UK Space Agency announced £2.5m grant funding to support the creation of the UK's first space port.

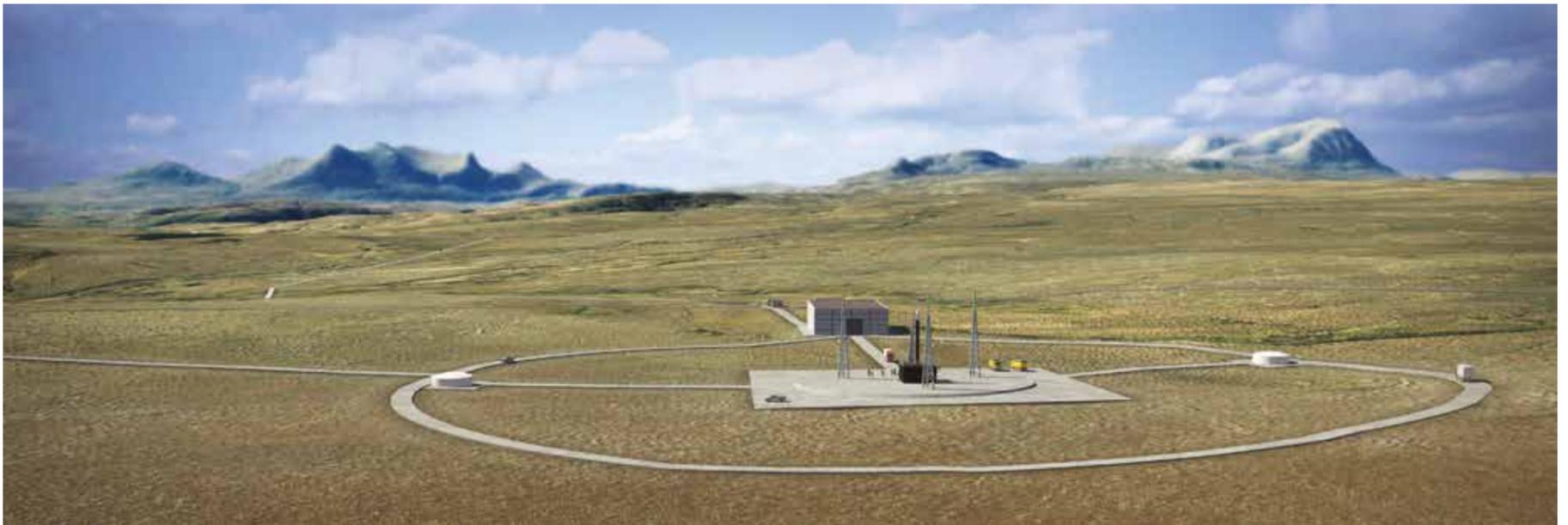
Industry partners also received grant funding:

- Lockheed Martin: £23.5m
- Orbex: £5.5m



Highlands and Islands Enterprise
Iomairt na Gàidhealtachd 's nan Eilean

WHAT IS A SPACEPORT?



The Sutherland site has been identified as one of the best options for vertical launch capability.

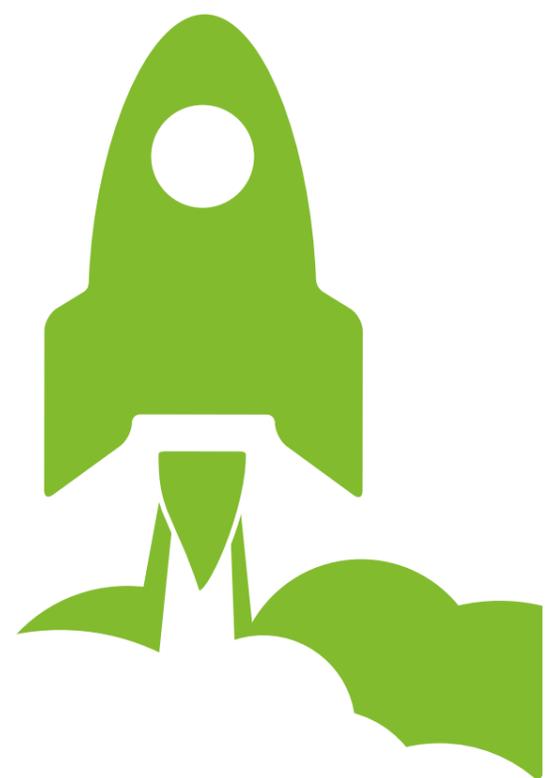
Plans do not include:

- Horizontal launch capability
- Manned Space travel

The launch site and associated infrastructure will include capability for:

- Transport and preparation of launch vehicles
- Cargo – payload for the spacecraft
- Fuels and associated services
- Other generic infrastructure for use as a multi-use site.

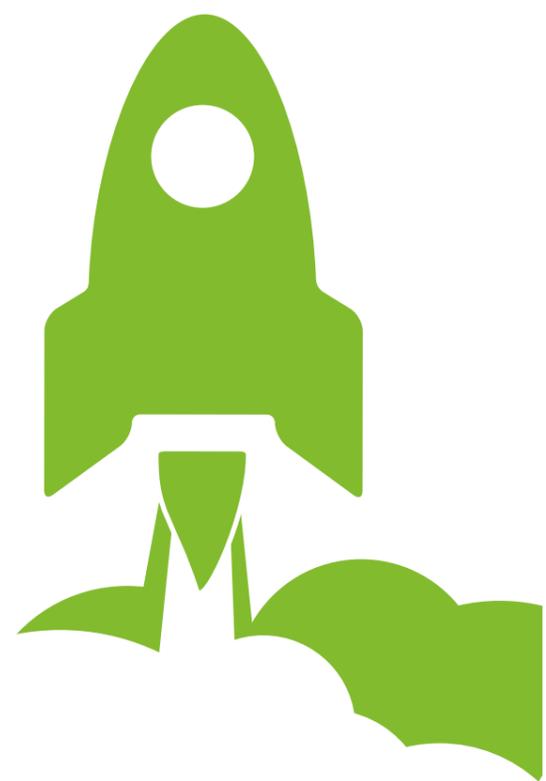
The design will offer affordable range operations and services that are capable of supporting a variety of small launch vehicles.



WHAT HAS BEEN DONE TO DATE?



- **Early discussions with Melness Crofters Estate on leasing land.**
- **A feasibility study was developed looking at site options.**
- **An initial economic impact assessment report has been completed.**
- **A programme has been developed covering all activities required to provide launch capability by 2020/21.**
- **A gateway 1 submission was made to Scottish Government.**
 - Response from initial gateway process provided a delivery confidence assessment of ‘amber’
 - Further work has been ongoing to mitigate the risks associated with this project.
- **Pre-planning advice has been sought.**



PLANNING THE WORK



Dialogue ongoing with Melness Crofters Estate:

- Support for project
- Agreement for leasing land
- Heads of Terms to be agreed

Work is ongoing to continue to refine:

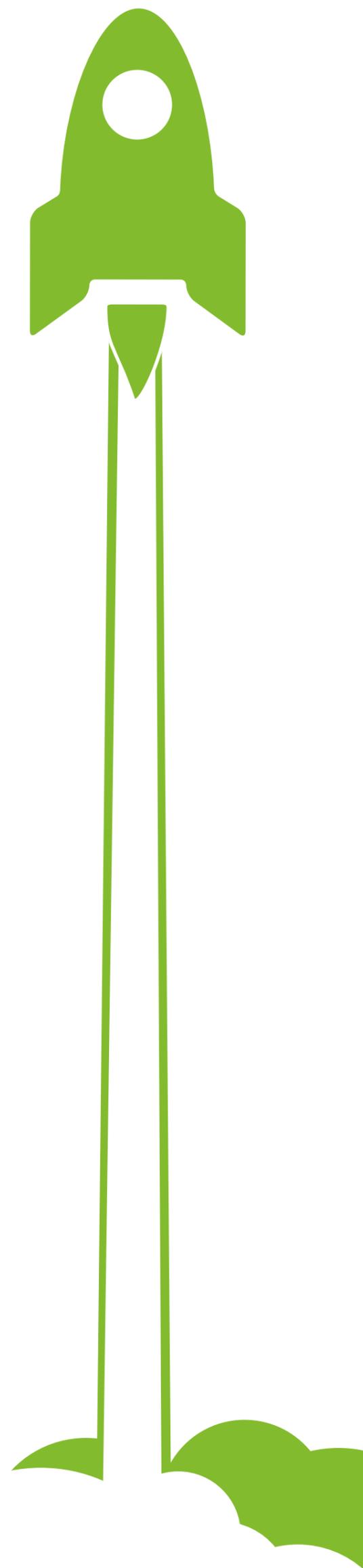
- Project concept
- The understanding of the market
- Facilities that would be required.

Better understanding continues to be developed on:

- Planning requirements
- Launch operator facilities
- Regulation

Highland Council pre-planning advice: work ongoing to better understand:

- **Natural heritage:**
 - Survey work required for landscape, flora and fauna
 - Accompanied by landscape and visual assessment.
- **Access and Siting/Construction**
 - New and upgraded roads
 - Launch pad requirements
 - Spaceport facility requirements



UKVL: SUTHERLAND

BENEFITS OF SPACEPORT

Employment benefits:

- Short term: considerable construction employment
- Longer term: support up to 40 jobs in the local area and 400 jobs in the region
 - With wider benefits to the Scottish and UK economy.

Other benefits:

- Supporting existing businesses to grow and develop
- Inward Investment potential
- Tourism activity
- STEM activity

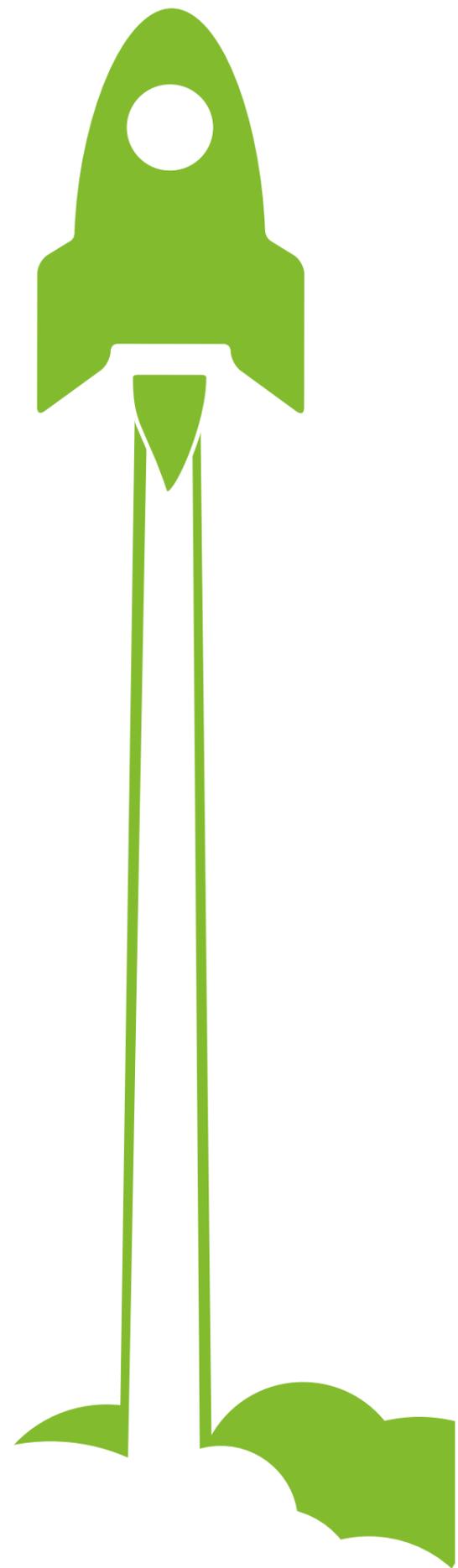


Highlands and Islands Enterprise
Iomairt na Gàidhealtachd 's nan Eilean

UKVL: SUTHERLAND

NEXT STEPS

- **Agreement with Melness Crofters Estate on leasing options.**
- **Environmental surveys**
- **Community consultation**
- **Launch Site Operator procurement**
- **Site Design Development**
- **Planning Application submission**
- **License approvals**



Highlands and Islands Enterprise
Iomairt na Gàidhealtachd 's nan Eilean