

# Houston Spaceport Development Update

Presented by: Houston Airport System  
June 10, 2021



# HOUSTON SPACEPORT



# Houston Spaceport Overview

Licensed as a Spaceport by the FAA in 2015



## Investment by Houston Airport System:

- Purchase of Houston Aerospace Support Center (HASC) in late 2015. Current tenants include:
  - EDGE Center
  - Intuitive Machines
- 400-acre site for aerospace development.
- Phase 1 Infrastructure is complete serving 153 ac.
- Spaceport development agreements were recently approved by City Council for Axiom Space 22.5 ac and Collins Aerospace 8.37 ac.
- Future Taxiway Lima- currently in planning.



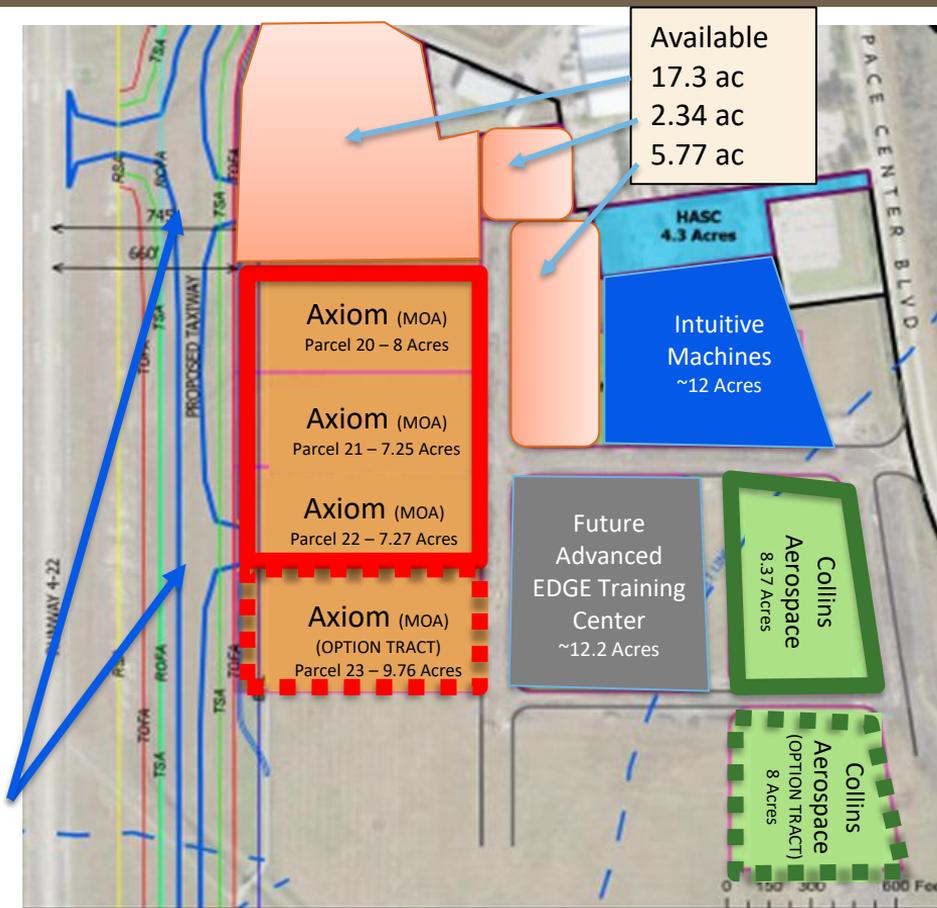


**HOUSTON  
SPACEPORT**



Future state of Houston Spaceport based on planned developments by Axiom, Collins Aerospace, the EDGE Training Center and a new expansion plan by Intuitive Machines.

Future Taxiway Lima  
With Access Points





“Almost 50 years ago when Apollo 17 left the Moon, Gene Cernan challenged humanity to return. We’ve taken hold of this long dormant challenge and are committed to igniting the cislunar economy by building the capabilities and supporting infrastructure we need – right here in Houston.”

~ Steve Altemus, CEO

## Intuitive Machines Development at Houston Spaceport

Houston Airport System

June 10, 2021



# Intuitive Machines (IM) Overview

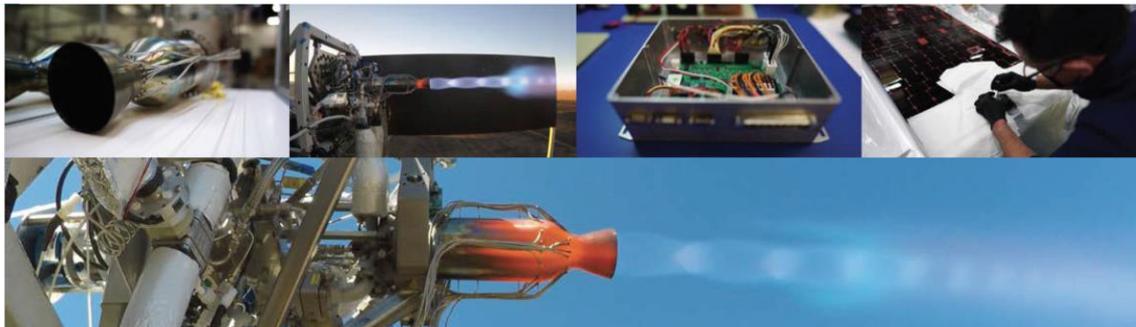


- Formed in 2013, Intuitive Machines is a pioneering space company opening new lunar economies to quench humanity's thirst for knowledge through innovative solutions to the hardest problems. As a premier provider and supplier of space products and services, they are enabling sustainable exploration of the Moon, Mars, and beyond.
- Built around an all-star team of space experts, IM is leading the charge back to the Moon with an impressive number of firsts planned for 2022 and beyond:
  - First commercial company to land on the Moon
  - First organization (worldwide) to land on the South Pole of the Moon
  - First to deliver and operate an ice drill
  - First to deploy an extreme-mobility "hopper"
  - First to test LTE communications
  - First to launch/operate a lunar satellite constellation





# IM's Awesome Technology



- IM accelerates innovation through “out-of-this-world-class” systems and expertise in advanced manufacturing, propulsion, automated systems, agile software development, Guidance, Navigation, and Control (GNC) systems, and much more...

## IM LANDER EVOLUTION

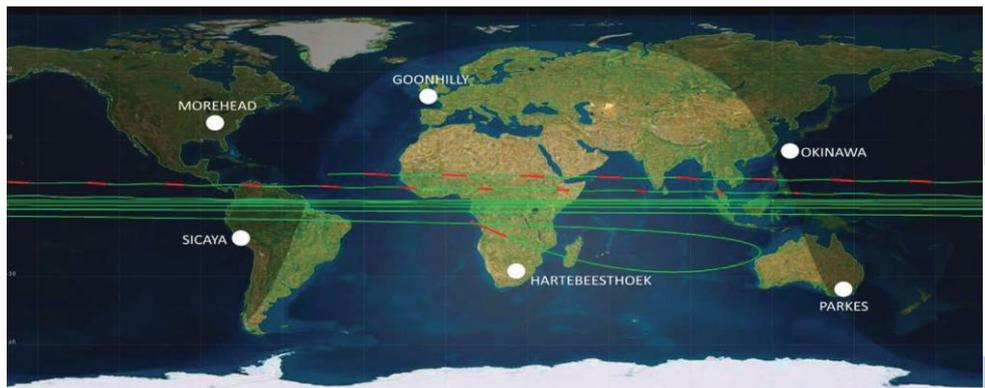


- These systems enable a full line of lunar landers and services which provide rapid transit to the Moon, and unsurpassed capability in cislunar space and the lunar surface.





# IM Lunar Telemetry, Tracking & Control Network (LTN)



- Intuitive Machines is the only company capable of providing a commercial lunar and deep space communication network as an alternative to NASA's highly tasked Deep Space Network (DSN) assets.
- Controlled from their Houston-based "Nova Control," IM has all the required critical infrastructure in place and existing agreements with global ground stations to provide seamless 24/7 coverage of cislunar space.

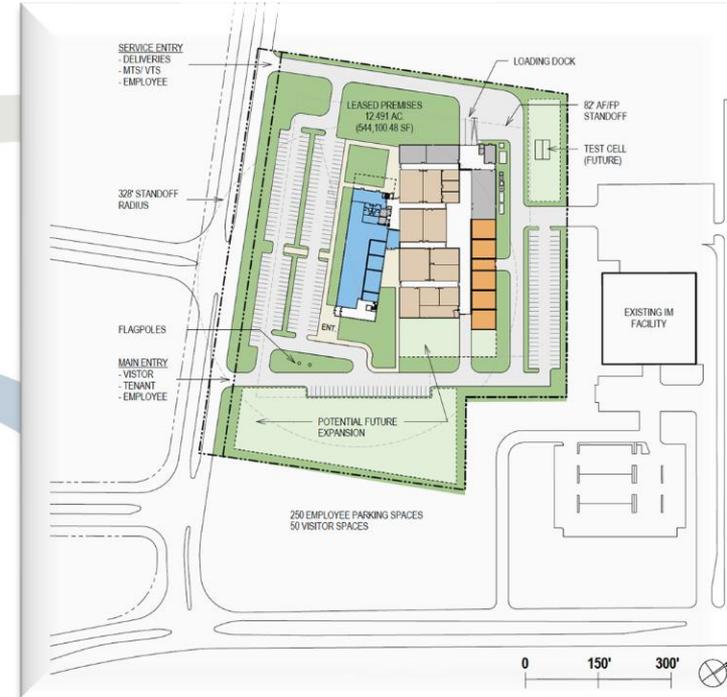




# IM Project Overview



- ~12.5 acre plot at the Spaceport entrance
- 125,000 sf of office, production, assembly and test space
- High-efficiency, adaptable and scalable design
- Advanced loading dock and tiered storage
- Multi-level classified facility and network support
  - *\*First commercial use SCIF in Houston*
- Office tenant space for DoD units and innovation accelerators



***A Globally recognized center of excellence for space innovation***





# IM Spaceport Conceptual Design





# IM Spaceport Development Project



- Construction –
  - Estimated start Q3 2021, completion within 24 months.
- MWBE Requirements –
  - 24% Design and 30% Construction.
  - A Spaceport Industry Day is planned for late June.
- Job Expansion – IM started with 12 employees, has grown to 120 employees currently and will now expand to 250 employees, including engineers and technicians.





## IM Binding MOA Terms



- The Project will vest in the City on a brick-by-brick basis, with reimbursement of the project costs by the City, for a not-to-exceed total cost of \$40 Million. \$4 Million of this will be appropriated under the binding MOA to allow planning and design to commence.
- The initial term shall be 20 years with four additional 5-year option periods.
- A future lease agreement will be brought to City Council later this summer.





## Additional IM MOA Terms



- Project Cost Recovery –
  - Lease Years 1-5 - Project costs will be recovered from IM at the rate of 2.5% of the total cost reimbursed by City, escalated annually 2.5%.
  - Step Increases in successive five-year periods set at 5%, 10% and 11.5% respectively.
  - Ground rent charged at appraised value of land throughout the occupancy period, with escalations of 15% every five years.
  - Option Period – Rent is based on fair market value set by appraisal.
  - If IM chooses not to enter into a lease agreement, it shall be required to pay back all money reimbursed by the City from the \$4 MM appropriation.





For more about Intuitive Machines:  
<https://www.intuitivemachines.com>

The Intuitive Machines Leadership Team:  
<https://www.intuitivemachines.com/copy-of-future>

See what's new with Intuitive Machines:  
<https://www.intuitivemachines.com/copy-of-news>



# Questions?

