



**SAVE THE DATE**

**22-23 SEP 2020, 0400 - 0800**

Flooding Hazards: Science and Preparedness Training  
 Hosted by the National Disaster Preparedness Training Center  
 Free Virtual Event!  
 Register at: <https://ndptc.hawaii.edu/training/delivery/2790/>

**29 SEP 2020, 0400 - 0800**

Hurricane Awareness Training  
 Hosted by the National Disaster Preparedness Training Center  
 Free Virtual Event!  
 Register at: <https://ndptc.hawaii.edu/training/delivery/2788/>

**02-03 OCT 2020, 0400 - 0800**

Coastal Hazard and Vulnerability Assessment Tools Training  
 Hosted by the National Disaster Preparedness Training Center  
 Free Virtual Event!  
 Register at: <https://ndptc.hawaii.edu/training/delivery/2800/>

**5-7 NOV 2020**

**(4-6 NOV 2020 CST)**

2020 SAME Federal Small Business Conference, Dallas, TX  
 Virtual National Event  
 Register at: [www.samesbc.org/](http://www.samesbc.org/)



**AUGUST MAIN PRESENTATION RECAP:  
 GUAM SPACEPORT UPDATE**

*Presented by Frank R. Santos, Transportation Management Group, Principal Consultant for the A.B. Won Pat International Airport Authority.*

Virgin Orbit is a company within the Virgin Group which plans to provide launch services for small satellites. The other capabilities being developed by the Virgin Group include human spaceflight operations and advanced aerospace design, manufacturing, and testing.

Space exploration and innovation was traditionally spearheaded by the National Aeronautics and Space Administration (NASA). Today with the global commercialization of space, companies like Virgin Orbit are seeking to provide solutions for affordable and regular routes to get small satellites into space.



Virgin Orbit's solution is to attach a rocket to an airplane and launch the rocket during flight. By using a 747 and a runway, rather than launching rockets from a traditional launch pad, Virgin Orbit proposes a route to space could be made from any airport in the world. Currently Virgin Orbit is looking at potentially using the A.B. Won Pat International Airport as a spaceport for their operations.

Virgin Orbit is planning on submitting an application for a license to launch out the Guam airport. A safety and environmental assessments are still pending on reviews of blast and marine impacts. The figure below shows the proposed hangar location for Virgin Orbit's operation. Liquid oxygen which is used fuel the rocket is planned for storage off-site. If the license is approved and the project moves forward, Virgin Orbit is looking at one launch per month and potentially constructing their own hangar. In the near future, Guam could have its very own spaceport!



*Proposed hangar location for Virgin Orbit at the A.B. Won Pat International Airport.*