As spaceports emerge as the future gateway to the stars, RS&H is leading the industry in spaceport planning, licensing, and development. More than 50 years ago, we began a partnership with NASA and have worked on every U.S. manned space launch system beginning with the Apollo program. We’ve developed a comprehensive, deep-understanding of all aspects of launch site planning and design. And we’re guiding organizations across the nation, providing our unique expertise for commercial spaceport planning.

With the most experience in the industry, our team provides a wide-range of services as we help our clients continue to push the envelope. We’ve helped organizations throughout the U.S. with commercial spaceport license applications and master plans. From initial feasibility studies to full infrastructure development, we’re prepared for the challenges and opportunities in commercial space launch.

Complementing our spaceport experience, we’ve completed dozens of airport master plans, which led to the FAA selecting RS&H to author Advisory Circular 150/5070-6A Airport Master Plans. We also have a long history in transportation planning, with resources to blend intermodal operations into the spaceport planning process.

Combining our decades of aerospace, aviation, and transportation experience, we provide cutting-edge solutions that are shaping the future of space exploration.
At RS&H, we understand that planning and analyzing the feasibility of spaceport operations is key to your success. By offering an array of spaceport planning services, we can provide expertise at any level of the process. Our top-level planning services include spaceport master plans, site selection assessment, technical feasibility assessments, financial analyses, economic impact studies, facilities and infrastructure assessment, preliminary airspace analysis, preliminary explosive site planning, and preliminary environmental review. Further planning services range from conceptual or detailed site plans to security planning and master planning to ensure launch sites remain financially feasible and technically desirable in the future.

With a comprehensive approach to each project, we thoroughly guide potential commercial spaceports through the licensing process. Our experts partner with organizations across the nation and assist a launch site operator license applicant with all aspects of the licensing process from the initial FAA/AST Pre-Application Consultation through submission and issuance. We perform key technical analyses during the process, including launch site infrastructure review, facilities assessment, and launch vehicle compatibility assessment to ensure the facility meets all requirements. Other analyses include airspace planning and coordination, flight corridor development and risk analysis, explosive site planning, concept of operations development, letters of agreement coordination, and environmental analyses.
DESIGNING

*Historic experience in launch site design sets the foundation for the future of spaceport design.*

Our experiences from designing vertical launch sites and ground support equipment combined with our extensive aviation facility design provides our team with a deep understanding of how to bridge the gap between concept and construction. Our capabilities encompass all aspects of spaceport design, such as launch pad infrastructure, ground support equipment, cryogenic propellants, sound suppression, communications, lighting, and many more. Together we can achieve the design that meets your vision while satisfying federal regulations, industry standards, and local stakeholders.

ENVIRONMENTAL

*Our team specializes in understanding how the National Environmental Protection Act (NEPA) is integrated with the design, financing, planning, and overall program management for spaceports.* We’re uniquely known for providing strategic approaches for compliance with national and state environmental requirements for spaceport licenses and facilities. We’ve prepared NEPA documents at several commercial space transportation facilities in Florida, Texas, Hawaii, and other states. With team members who have written FAA laws and provided input on pending federal legislation addressing environmental effects of projects, we have an unparalleled, broad spectrum of NEPA and aerospace experience.
CONTACT US TODAY TO DISCOVER ALL THAT RS&H HAS TO OFFER.

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