

GOVERNMENTAL & COMMERCIAL SPACE SERVICES

Excellence in High-End Design for NASA and the Space Industry

Michael Baker
INTERNATIONAL



*P-1904 Michelson Laboratory Complex Design
Naval Air Weapons Station China Lake, CA*

WHO WE ARE

At Michael Baker International, your mission is our mission. For over 80 years, we have proudly partnered with government agencies and private industry to strengthen infrastructure across the globe. With every project, we leverage the strength and diversity of our multidisciplinary firm to provide comprehensive services throughout the entire project lifecycle, from programming through completion.

Our wide range of diverse architecture and engineering (AE) professional services coupled with tenured professionals, Michael Baker is ready to serve NASA, USSF, and the private space industry with existing or future developments.

WHY MICHAEL BAKER?

In-House Space Industry Related Experience

With numerous Michael Baker professionals having direct experience with NASA related projects, our experts draw on institutional knowledge of regulations and standards of the industry.



CORE CAPABILITIES

We combine our architecture, design, engineering and technology experience to deliver customized solutions for the Federal government across industries and geographic boundaries.



FULL-SERVICE ARCHITECTURE & ENGINEERING

*(Civil, Structural, Mechanical,
Electrical, Plumbing, Fire protection)*



ENERGY & SUSTAINABILITY



ASSET MANAGEMENT



FACILITY PLANNING



COST ENGINEERING



MASTER PLANNING



CYBERSECURITY



LABORATORY/CLEAN ROOM DESIGN

We Make a Difference



P-1904 Michelson Laboratory Complex Design

Naval Air Weapons Station China Lake, California

Michael Baker International provided architectural and engineering services for P-1904, Michelson Laboratory Complex Consolidation at Naval Air Weapons Stations (NAWS) China Lake. The Michelson Laboratory Complex houses facilities for research, development, testing, and evaluation of critical weapons systems. The project includes three new facilities: the 25,805 SF Chemical Laboratory, the 27,296SF Environmental Lab, and the 139,709 SF Industrial Shop.

Stennis Space Center Enterprise Park Special Study

NASA Stennis Space Center, Mississippi

Michael Baker conducted a special study to determine the feasibility of commercial development on a parcel of Stennis Space Center (SSC). This study consisted of: site suitability analysis; alternative plan analysis; stakeholder engagement and outreach efforts, and project viability assessment. The study determined market capacity and demand, estimated potential site development costs to create an initial pro forma, and identified risks to both SSC and development partners.



Shutter Landing Facility Block 1 Development Construction Management

Space Florida, Florida

Michael Baker is providing full-time inspection services to monitor construction activities for Space Florida. Our team provides on-site observations of the quality and progress of the CM's work in order to determine if the construction is preceding in accordance with the Construction Contract documents.



EXPANDED CAPABILITIES

- Anti-Terrorism & Force Protection
- Architecture & Engineering Design
- Aviation Design & Management
- Building Information Modeling
- Construction Management
- Cost Engineering & Management
- Cybersecurity for Facility Related Systems
- Design-Build & Alternative Project Delivery Methods
- Energy Management
- Environmental Consulting
- Geospatial Information Technology
- Military Master Planning
- National Environmental Policy Act Compliance
- Per- and Poly-Fluoroalkyl Substances Consulting
- Program Management
- Resiliency Planning & Consulting
- Site Development
- Site Utility Assessment
- Survey, Mapping & LiDAR
- Sustainability Consulting
- Unmanned Aerial Systems Inspection Services
- Water Resource Management
- Water & Wastewater Engineering

Visit mbakerintl.com/practices/federal for more information about our capabilities and iconic projects.

CONTACT

Jade Rung, P.E., PMP
National Market Lead, Interagency
P: 225-218-2840
E: jade.rung@mbakerintl.com



Rachael Richter, AICP
Department Manager, Planning
P: 412-269-6267
E: rrichter@mbakerintl.com



Gregory Kern
Program Manager
P: 904-380-2519
E: gregory.kern@mbakerintl.com



Michael Baker
INTERNATIONAL

ACHIEVING TODAY'S MISSION WITH TOMORROW'S SOLUTIONS



365th Intelligence, Surveillance, and Reconnaissance (ISR) Group

[Nellis Air Force Base, Nevada](#)

Michael Baker is the designer of record for the design-build of a new two-story building to function as a 365 ISR Group Consolidated Facility at Nellis AFB. This approximately 76,000 GSF building will contain intelligence, surveillance and reconnaissance operations, a threat training facility and an exterior, fenced display yard. Most of this building will be provided with SCIF construction under ICD/ICS 705.



Joint Simulation Environment Facility

[Edwards Air Force Base, California](#)

Michael Baker is the designer of record for the design-build construction of a new two-story building to function as a Joint Simulation Environment Facility. This approximately 72,140 GSF building will contain two large volume spaces with flight simulators on the second floor, a freight elevator, an auditorium with stepped seating, office areas and other spaces in support of this mission. Most of this building will be provided with SCIF construction under the ICD/ICS 705.

ADDITIONAL EXPERIENCE & PROJECTS

Job 369 NRF Medical Science Complex Critical Decision-3 Support
[Idaho Falls, Idaho](#)

Spaceport Operator License & Runway Extension Environmental Assessment, Space Coast Regional Airport (TIX)
[Brevard County, Florida](#)

Networking and Cybersecurity for Critical Infrastructure Systems
[Federal Emergency Management Agency \(FEMA\) & U.S. Dept. of Homeland Security \(DHS\)](#)

Communications Tower and Command and Control Support Space Design
[U.S. General Services Administration](#)