

YOUR TEAMMATE OF CHOICE

Enabling warfighter mission success

BAKER - STANLEY - CARDNO JOINT VENTURE

Michael Baker
INTERNATIONAL

Stanley Consultants

Cardno

Full-Service Design & Consulting



Virtual Warfare Center / Nellis Air Force Base, Nevada

WHO WE ARE

The Baker-Stanley-Cardno Joint Venture (BSC-JV) is deeply committed to national defense, with many veterans on our staff. We share your core values of integrity, service and excellence and look forward to placing our team at your service. We are your trusted provider of Title I, Title II and other architect-engineering services for the Department of Defense (DoD). The BSC-JV (Est. 2012) has more than a decade of supporting some of the most complex and challenging programs for the Air Force and Space Force. Our architects and engineers bring innovation to every step of project delivery, including the latest modeling, simulation, visualization, cost estimating and optimization tools. From launch infrastructure to family housing and more, BSC-JV has the resources to help you build resilient installations of the future.

CORE CAPABILITIES

TITLE I

Master Planning
Architecture & Design
Airfield Engineering
Environmental Sustainability
Project Delivery
Asset Management
Technology

TITLE II

Construction Management

WE DELIVER OUR BIG BUSINESS CAPABILITIES WITH THE PRIDE,
QUALITY AND CUSTOMER SERVICE YOU EXPECT FROM SMALL BUSINESS.

EXPANDED CAPABILITIES

The BSC-JV stands ready to handle the diversity and complexity of projects that the Air Force needs.



Master Planning

- Adaptive Reuse Plans
- Area Development Plans
- District Plans
- Encroachment Plans
- Energy & Water Resilience Plans
- Installation Development Plans
- Planning Standards
- Traffic & Transportation Plans
- Vision Plans



Architecture & Design

- Americans with Disabilities Act (ADA) & Architectural Barriers Act (ABA) Design
- Civil, Structural & Geotechnical Design
- Communications Distribution Design
- Design Architecture
- Dormitory Design
- Fire Protection & Life Safety
- Landscape Architecture
- Mechanical, Electrical & Plumbing Design
- Pavements Engineering
- Security Engineering with Secure Space/ SCIF/SAPF Design



Airfield Engineering

- Construction Safety & Phasing
- Lighting, Signage & NAVAIDs
- PCASE Pavement Design
- Runways
- Taxiways & Aprons



Environmental Sustainability

- Climate Adaptation Plans
- High-Performance Sustainable Facilities
- LEED® & Green Globes Certification
- Net Zero & Sustainable Design



Project Delivery

- Cost Estimating & DD1391 Development
- Design-Bid-Build
- Design-Build
- Early Contractor Involvement
- Program Integration (Owner's Representative)
- Program Management Office (PMO) Support
- Project Development, PCRs & CCRs



Asset Management

- Bridge Inspection
- BUILDER™ Condition Assessments
- Electrical Distribution System Assessment & Modeling
- Emergency Operations & Response Planning
- FRCS Cybersecurity Resilience Planning
- NextGen IT Migration Services
- PAVER Condition Assessments
- Preventive Maintenance Task List (PMTL) Development



Technology

- Building Information Modeling (BIM)
- Geographic Information Systems (GIS)
- Mobile and Aerial LiDAR Surveying
- Smart Installation Planning
- Technology Use Case Development
- Unmanned Aircraft Systems (UAS) Data Acquisition



Construction Services

- Change Order Management
- Construction Administration
- Construction Quality Assurance
- Construction Scheduling
- Materials Testing



Virtual Test and Training Center (VTTC)

NELLIS AIR FORCE BASE, NEVADA

- Design-Build services for a state-of-the-art facility that synchronizes multiple simulators across the base.
- Design included reinforced concrete foundation and floor slab, structural steel frames, split-faced masonry veneer walls, a standing seam metal roof, and 54,000 square feet of special access program facilities (SAPF).
- Applied value engineering by selecting materials that offered the best value to the government.
- Construction Cost: \$29M

Training Dormitory (B10416)

JBSA-LACKLAND, TEXAS

- ATFP and ADA compliance, structural analysis and deficiency resolution with extensive site civil and utility system replacements and FF&E with outfitting
- Life-cycle cost analysis of mechanical system
- 30%+ energy reduction from the ASHRAE baseline
- Modern, compliant fire detection and protection system
- AACE Class 2 cost estimate
- Construction Cost: \$42M



Net-Zero Unaccompanied Housing

FORT LIBERTY, NORTH CAROLINA

- U.S. Army's pathfinder net zero barracks initiative
- Onsite renewable energy sources and back-up
- Photovoltaic array (PV) array for energy and hot water
- Ground source heat pump (GSHP) geothermal unit
- Battery Energy Storage System (BESS) for contingency supply capability and Building electrification
- Energy efficient equipment, lighting, doors, and windows
- ATFP and ADA compliance
- Construction Cost: \$75M



THE JV BRINGS TOGETHER THE COMBINED CAPABILITIES AND RESOURCES OF THREE FIRMS

YEARS OF EXPERIENCE

230+

COUNTRIES WITH COMPLETED PROJECTS

120

JOINT VENTURE PERSONNEL

36,000+

ACTIVE & RETIRED MILITARY PERSONNEL

450+

OFFICE LOCATIONS

550

KEY CONTRACTS

AE NEXT Pool 1 and Pool 4

CONTACT

Contact the BSC-JV at
AENext_BSC_JV@mbakerintl.com
or through any of our leaders below:

Dean Hartman, Col., USAF (Ret.)
National Market Lead, U.S. Air Force & Space Force
P: 210-408-3736
E: dean.hartman@mbakerintl.com



Dave Norton, Col., USAF (Ret.)
Air Force Account Manager
P: 512-427-3611
E: nortondave@stanleygroup.com



Wilfred "Will" Cassidy, P.E., Col., USAF (Ret.)
Air Force Client Lead
P: 303-945-8119
M: 808-308-0010
E: wilfred.cassidy@cardno-gs.com



Annual Training-Mobilization DFAC

FORT MCCOY, WISCONSIN

- State-of-the-art, cost-effective dining facility for 1400+
- Design charrette to ID preferences & alternatives
- Targeted energy charrette
- Life-cycle cost analysis of mechanical system
- 40%+ energy reduction from the ASHRAE 90.1 baseline
- Efficient building envelop w/ Cutting-edge "cold roof"
- Modern, compliant fire detection and protection system
- Construction Cost: \$14M

COMMITMENT TO EXCELLENCE | PROVEN TRACK RECORD | EXCEEDS EXPECTATIONS

Michael Baker INTERNATIONAL

Michael Baker International

Michael Baker International is a leading provider of engineering and consulting services and has been solving some of the world's most complex infrastructure challenges for more than 80 years. With more than 85 offices nationwide, we partner as a trusted adviser to the communities we serve, making them safer, more accessible, more sustainable, and more prosperous. We challenge the status quo and share a world of diverse experience and an impassioned entrepreneurial spirit. We deliver quality of life. We Make a Difference.



Stanley Consultants, Inc.

Stanley is a multi-discipline engineering firm serving industrial, international, government, commercial and utility clients in all 50 states and 110 countries. Stanley has provided designs on over 100 permanent and expeditionary air bases and military installations and has proven expertise in installation master planning, design and construction management for delivery of the full range of Air Force facility types and mission sets.



Cardno, now Stantec

Stantec is a global leader in sustainable engineering, architecture, and environmental consulting. The diverse perspectives of our partners and interested parties drive us to think beyond what's previously been done on critical issues like climate change, digital transformation, and future-proofing our cities and infrastructure. We innovate at the intersection of community, creativity, and client relationships to advance communities everywhere, so that together we can redefine what's possible. The Stantec community unites more than 31,000 employees working in over 450 locations across 6 continents.