



KBR



KBR ASTRO POCs:

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KBR web site: <https://www.kbr.com>

Operating Locations:

60+ Global Locations in
20 Countries

Certifications:

ISO 9001:2015, ISO 14001:2015,
ISO 45001:2018, ISO 17025:2017,
and OHSAS 18001 certified;
AS9100 D certified; CMMI Level 5

KBR ASTRO Prime Contract Pools: (KBR is a Prime in 8-10 Pools)

1. Development & Systems Integration: 47QFCA22D0345
2. Space: 47QFCA22D0225
3. Ground: 47QFCA22D0175
4. Data Ops: 47QFCA22D0036
5. Mission Ops: 47QFCA22D0087
6. Research: 47QFCA22D0395
7. Support: 47QFCA22D0447
8. Training: 47QFCA22D0495

KBR delivers science, technology and engineering solutions to governments and companies around the world. KBR boasts 60 years of continuous support to a broad range of customers and is known as a leading provider of specialized engineering, professional, scientific, and technical services. KBR has been granted Top Secret facility security clearances by the Defense Counterintelligence and Security Agency and has more than 1,000 employees with TS/SCI access. KBR's diverse capabilities include expertise in SE&I, Program Management, End-to-end Mission Operations, Sustainment, Sensor technologies, C4ISR, Modeling and Simulations (M&S), Software Development, Systems Architecture, System of Systems (SoS) Development, Cybersecurity, Data Analysis, Rapid Technology Insertion (RTI), Prototyping, Reverse Engineering, Mission Planning and Execution, flight dynamics, Scientific Data Processing, Satellite Ground Systems and Space Communications, Logistics, Test and Evaluation (i.e. Flight Test, Ground Test, Weapon Systems, Avionic Subsystems) and Algorithm Development.

KBR is known for development of applications that optimize, innovate and automate. Our solutions impact mission success and transform business processes, decision-making, security, safety and mission planning through our leveraging of technology and promoting innovation to maintain a leadership position including human and robotic spaceflight, Systems Engineering and Integration (SE&I), T&E, Mission Operations, Cybersecurity and Mission IT.

Our experience and expertise for U.S. government space and NASA customers has been at the forefront of industry advancement. We are a leading life science provider to NASA with 40+ years of medical, environmental and biomedical research systems developed and implemented for ISS, 15+ years of uninterrupted ISS support, 135 Space Shuttle missions supported at NASA Mission Control, and seven human spaceflight programs supported, starting with Gemini. We have continued to grow our military space footprint over the last 18 months with the acquisition of space and cyber companies.

As a key provider of ground systems and mission operations to NASA, USAF and NOAA, our services cover all phases of the satellite mission life cycle including concept studies, development, implementation, spacecraft operations, sustainment and decommissioning. We have supported the orbit, application and configuration of more than 700 spacecraft and currently support more than 20 NASA unmanned programs.

KBR's R&D Application Development full lifecycle includes design, development, testing, deployment and maintenance. Our solutions combine engineering excellence and industry best practices to include Agile development. Application solutions and investments in R&D include:

- Cutting-edge analysis tools
- Cybersecurity software
- Satellite ground systems software
- Hypersonics (Counter Flowing Jet Technology)



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- Visualization tools, 3D animation and software for graphical situational awareness
- Real time data acquisition tools
- Mission planning software
- Training software and systems
- Biometric systems and solutions
- Spacecraft flight data system software

- Athena (Knowledge Management (KM) Software Suite) - Turns complex data sets into insightful and actionable information by merging available data into a single networked repository, providing multi-user collaboration with intuitive user interfaces for interacting with, aggregating and displaying disparate data sets, automating processes and reporting results.

- Warfighter Real-time, Analysis and Interoperability with TruthH (WRAITH) System. WRAITH is a real-time data transformation, test driver and data analysis tool. KBR developed the WRAITH software application, with interfaces to various hardware and protocols, to receive and process different segregated data links and correlate those sources with existing tactical and commercial radars in support of U.S. Army Air and Missile Defense. WRAITH is also used to analyze data quality and measure performance of the various transmission mechanisms. WRAITH operators/analysts have experimented with and demonstrated various methods for disseminating Friendly Force Tracker (FFT) data to the Joint Link 16 community. When operating as a data collection and analysis tool, WRAITH passively listens to various tactical and instrumentation data links and displays the data in real-time.

- Prototype Facilities - KBR operates over 350,000 ft² of prototyping facilities at 10 different locations. Our prototype facilities are ISO 9001:2015 certified. We provide a wide range of services including qualification testing, electromagnetics testing, mechanical design/analysis, 3D printing, 5-Axis CNC machining, and reverse engineering and documentation to include the study of practical use of Artificial Intelligence (AI) for Military Space Application.

- Use of KBR Cyber Range to support space cyber resiliency campaign satellite engineering and operations services to include spaceflight activities.

- KBR is a leading Systems Engineering and Integration (SE&I) provider to U.S. Navy and U.S. Army aviation. Our domain expertise spans more than 40 years during which we have supported 40+ U.S. Navy, Army and Air Force programs including the F-35, the Army utility helicopter program, and various Unmanned Aerial Systems (UAS). Highlights of our work include delivering full life cycle support to the F/A-18 legacy Hornet and Super Hornet and providing program office support to every U.S. Army aircraft and system. We have supported more than 135 aircraft platforms and 200+ military weapon systems.