

# Full Spectrum Army Solutions

Driving Mission Success

# From Warfighter Readiness to Weapons Systems & Technology



*KBR has provided mission critical military solutions since WWII. We help ensure troop readiness and deliver the systems and technologies that enable the U.S. Army to maintain its competitive advantage in conflict and in peacetime.*



## KBR CUSTOMER ADVANTAGES

- Platform/Domain Expertise
- OCONUS Expertise
- Multidisciplinary Solutions
- Advanced Technologies
- Trusted Innovation
- Zero Harm Safety Approach



# Warfighter Readiness



*U.S. Air Force photo by Senior Airman Keifer Bowes*

KBR has provided contingency support to 500+ different global locations under the Army's Logistics Civil Augmentation Program (LOGCAP) contract.



## CONTINGENCY OPERATIONS

KBR's international footprint and readiness expertise enables us to mobilize and respond within 24 hours to scenarios ranging from combat and exercise support to natural disaster. We can bring full resources to bear within 72 hours. One recent example of our contingency critical life support services – including the readiness to project power – occurred at Tyndall Air Force Base in Panama City, FL in the wake of Hurricane Michael in October 2018.



## PREPOSITIONED STOCK

KBR has supported the U.S. Army's prepositioned stock program for more than a decade and has more than 30 years total experience managing military offshore stock. We support the U.S. military strategy by providing program planning, maintenance, Care of Supplies in Storage (COSIS), and logistics services to strategically prepositioned stocks afloat and ashore worldwide. KBR maintains over \$6.9 billion in combat-ready equipment and materiel stocks 24/7 so forces can deploy with reduced response times.





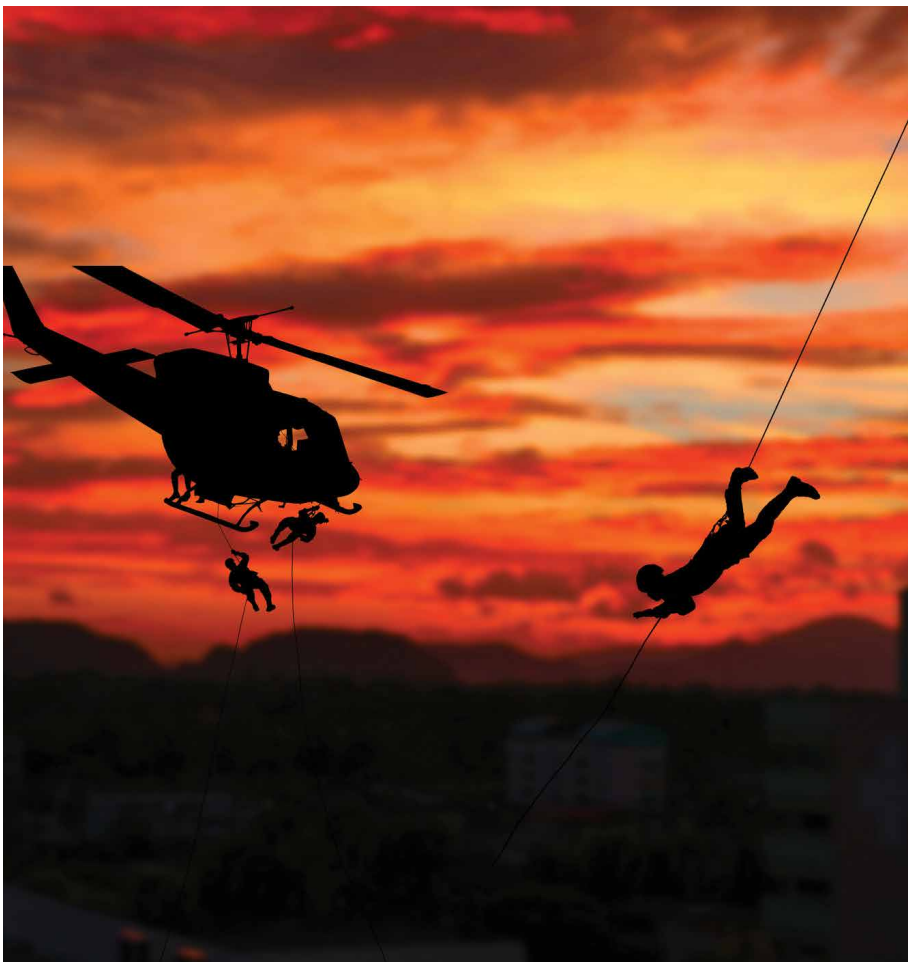
Our asset management offerings help the U.S. Army and other customers optimally balance asset cost and risk.

### ASSET MANAGEMENT

KBR treats asset management as a strategic activity. We provide a globally-consistent, standards-based, cross-functional, technology-enabled, analytic approach within an Enterprise Asset Management (EAM) framework. This creates consistent data from maintenance and supply chain management systems to drive analytics regarding asset cost, risk and performance. It also provides the flexibility to electronically transfer data to disparate customer asset information management systems.

Our Management Operating System (MOS) incorporates visual management, standardized work, daily responsibility processes, continual improvement, and other lean principles. Our approach increasingly also incorporates Asset Performance Management (APM) elements including Internet of Things (IoT), asset monitoring, Artificial Intelligence (AI), and Condition-Based Maintenance (CBM) to control costs and improve asset reliability.





## HUMAN PERFORMANCE

KBR is a leading provider of human performance and readiness solutions for U.S. Special Operations Forces. We are known for helping individuals survive and excel in extreme environments and under psychologically challenging conditions. Every day, around the world, KBR medical personnel, scientists and health experts are helping increase warfighter mental and physical capacity.

## ADDITIONAL EXPERTISE

- Asset Performance Management
- Base Operations
- Depot Support
- Facilities Management
- Industrial Controls/ Smart Grid
- Integrated Life Cycle Logistics
- Performance Based Logistics
- System-Based Supply Chain Management
- Training & Exercise Support





# Systems and Technology



From M1A1 tanks to garrison electrical smart grids, KBR's Cyber Range simulates IT and OT technologies for development, testing, and training in realistic cyber environments.

## CYBER

KBR's capabilities include audits and assessments, data integrity validation, secure network operations, and development of state-of-the-art cyber applications. We maintain multiple cyber labs and a virtual cyber range that simulates Information and Operational Technology devices/networks, enables cyberwarfare technology development, and provides a realistic countermeasure training environment.

## C6ISR

KBR's Command, Control, Communications, Computers, Cyber-Defense and Combat Systems, and Intelligence Surveillance and Reconnaissance (C6ISR) solutions simplify complex data to provide a decision advantage. We support all U.S. service branches and are engaged in multi-service programs. Our solutions fuse, process and interpret data in real time for information dominance and a battlespace awareness edge.



KBR has provided continuous support to the Patriot Missile Defense System for almost 40 years.



## INTEGRATED AIR AND MISSILE DEFENSE

KBR supports the Patriot Missile Defense System, THAAD, Cruise Missile Defense Systems, Counter-Rocket, Artillery and Mortar system (C-RAM) and the Ballistic Missile Defense System. We also support Close Combat Weapon Systems (CCWS), Joint Attack Munition Systems (JAMS), and Precision Fires Rocket & Missile Systems (PFRMS). Our solutions include systems engineering and integration, sustainment engineering, interoperability, modeling and simulation, logistics, foreign military sales, test and evaluation, forensics analysis, secure data networking and programmatic support.

## HYPERSONICS

KBR is researching Long Penetration Mode (LPM) counterflowing jet technology that has the potential to revolutionize supersonic air traffic and the speed and distance of hypersonic weapons systems. Our research, coupled with our decades of missile expertise, make us a natural choice to assist the U.S. Army in modernizing its offensive weapons including developing, testing and fielding hypersonics.





### COUNTER-UAS (C-UAS)

KBR provides solutions to the U.S. Army and other service branches that help defeat enemy drones. We support development and operations of multiple C-UAS systems. Our engineering experts provide critical inputs to advance C-UAS technologies and our field representatives maintain and sustain these systems in over 90 CONUS and OCONUS locations.

### FOREIGN MILITARY SALES (FMS)

As a long-time FMS leader, KBR provides case management expertise for 70+ weapons systems in 40+ countries. Our extensive program management solutions include international cooperative program development support, unique FMS financial tool sets, program management office tool sets, classified technical cost analysis, and foreign liaison office (FLO) support.





## ADDITIONAL EXPERTISE

- Application Development
- AI/Machine Learning
- Autonomous Systems/ Intelligent Robotics
- Cloud-Based IT
- Computer Network Operations
- Data Analytics
- Data Center Operations
- Flight Test
- Modeling & Simulation
- Platform Sustainment
- Program Management
- Satellite Operations, Communications & Ground Systems
- Space Security
- Special Warfare Intel Support
- Systems Engineering & Integration
- Test & Evaluation
- Weapons Systems Engineering



## RAPID PROTOTYPING

KBR's turnkey, state-of-the-art prototyping facilities support design modeling and analysis; electronics and circuit cards; mechanical/machine prototyping, soft goods; non-destructive inspection (NDI) and additive manufacturing. We deliver both speed and expertise. Our experts can conduct concurrent engineering/prototyping/design tasks and can also simultaneously prototype electronics and mechanical items. Our 3D printing and CNC equipment allows us to quickly fabricate parts or scale models to visualize and validate design concepts.

# KBR Operational Excellence

## DEPLOYMENT PROCESSING

*KBR's Deployment Processing Center streamlines customized training, immunization, medical, and travel support enabling employees to start work the day they arrive on site. The center is U.S. government-approved for both low and high threat location staff and was among the first such centers not operated by the government. It can scale as needed for surge support to process 16,000+ candidates per month and, over the past two decades, has successfully processed more than 88,000 people for 150 contracts/task orders at 70 global locations.*



## SAFETY



Zero Harm is KBR's proprietary program that empowers employees, customers, and teammates to create a culture of safety all day, every day. The 24/7 program helps ensure mission success for customers by combining our expertise, efficient and safe use of assets, worker safety and environmental protection. Through Zero Harm, we incorporate safety principles into all of our business operations and avoid situations that could place employees, teammates or customers at risk of injury.





# About KBR, Inc.

*KBR is a global provider of differentiated professional services and technologies across the asset and program life cycle within the Government Solutions and Energy sectors. KBR employs approximately 38,000 people worldwide (including our joint ventures), with customers in more than 80 countries, and operations in 40 countries, across three synergistic global businesses:*

- Government Solutions, serving government customers globally, including capabilities that cover the full life cycle of defense, space, aviation and other government programs and missions from research and development, through systems engineering, test and evaluation, program management, to operations, maintenance, and field logistics
- Technology Solutions, featuring proprietary technology, equipment, catalysts, digital solutions and related technical services for the monetization of hydrocarbons, including refining, petrochemicals, ammonia and specialty chemicals, as well as inorganics
- Energy Solutions, including onshore oil and gas; LNG (liquefaction and regasification)/GTL; oil refining; petrochemicals; chemicals; fertilizers; differentiated EPC; maintenance services (Brown & Root Industrial Services); offshore oil and gas (shallow-water, deep-water, subsea); floating solutions (FPU, FPSO, FLNG); program management and consulting services

KBR is proud to work with its customers across the globe to provide technology, value-added services, integrated EPC delivery and long-term operations and maintenance services to ensure consistent delivery with predictable results. **At KBR, We Deliver.**



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