



Human Performance and Protection

Internationally-Recognized Expertise

KBR delivers scientific Research, Development, Test and Evaluation (RDT&E) expertise to optimize human performance in response to physiological and psychological stressors in demanding operational situations. Our internationally-recognized researchers possess extensive experience evaluating human physiology and cognitive performance in extreme environments, including acceleration, microgravity altitude, isolation heat/cold, spatial disorientation, and acute and chronic fatigue.

KBR EXPERTISE

- Fitting and interfacing personal protective equipment for humans in extreme environments (aviation, firefighting, hazardous chemicals), including the cockpit respiration apparatus, anti-G garments, and the full pressure suit used in U-2/ space flight operations
- Evaluation of approved pharmaceuticals to maintain and extend performance during high tempo operations
- Human systems integration, including environment, personnel, training, human factors, safety, health, habitability and survivability
- FDA policies and investigative new drug procedures in support of pharmaceutical studies
- Dedicated crew of acceleration experts to train fast-jet pilots and astronauts to withstand operational G-forces and properly use acceleration-support equipment

KBR RESEARCHERS DELIVER:

- Strategic research planning and execution, including experimental design, subject acquisition, reporting, peer-reviewed publications, and data collection, analysis and interpretation
- Human-use and medical protocol preparation; Institutional Review Board presentation and defense
- “State-of-the-Science” subject matter analyses and literature surveys

