



## Houston Engineering, Logistics & Operations Manufacturing Lab

*Engineering Design & Fabrication for Clients' Most Complex Challenges*



KBR is a leader in engineering innovation, design and technical expertise on complex projects all over the world. At KBR's Houston Engineering, Logistics & Operations (HELO) Manufacturing Lab, our efforts go beyond fabrication plans and materials. We consider every element of operation through all phases of your asset's lifecycle, from concept and construction, to operation and decommissioning.

## AREAS OF EXPERTISE

KBR's team of experts delivers advanced engineering solutions to meet the needs of our customers, no matter the request. The HELO Manufacturing Lab specializes in the following areas:

- Computer-Aided Design (CAD) and Computer-Aided Manufacturing (CAM) utilizing specialized software, including Creo, SOLIDWORKS, AutoCAD, Mastercam and GibbsCAM
- Mechanical and electrical systems design and manufacturing
- New product development
- 3-D rapid prototyping
- Design and manufacturing of spaceflight and training equipment



# HELO Manufacturing Lab cont.

## PROVEN CAPABILITIES

KBR's team of engineering specialists has a trusted set of skills ready to assist you with:

- Industrial engineering laboratory design and layout
- Design and assemble articulating portable foot restraints and micro-scoop
- Flight, ground support equipment and Extravehicular Activity (EVA) tools processing
- A large variety of materials: super alloys, stainless steel, titanium and all plastics
- Sheet metal fabrication (box and panels)
- Machining - multi-axis CNC (3, 4 and 5 axis)
- Machining - manual turning and milling
- Sawing - vertical and horizontal band sawing
- Laser engraving/marketing
- Soft goods design and manufacturing, including EVA tethers, restraints, spacesuit repairs and flight stowage bags
- Ground support equipment design, manufacturing and testing
- Pressure systems, hydraulic gantry and test consoles
- 3-D modeling and printing



## WHY KBR?

In a continually evolving business environment, KBR is a trusted and innovative partner that thinks outside the box. We are on the forefront of emerging technologies and use our expansive employee knowledge base to form industry-leading engineering solutions and synergies. Our extensive experience in spaceflight training and operations, DoD support and worldwide logistics services provides us with unique insights about potential problems and challenges of every kind of project in every kind of environment. Our engineers have the expertise and commitment to overcome all technical challenges and prepare projects of any size, anywhere.

## NEXT STEPS

Let's talk about your engineering goals and how KBR can help you achieve them. Contact us to learn more and schedule a consultation at [helosupport@us.kbr.com](mailto:helosupport@us.kbr.com).

## ABOUT US

We deliver science, technology and engineering solutions to governments and commercial companies around the world. KBR employs approximately 29,000 people worldwide with customers in more than 80 countries and operations in 40 countries.

KBR is proud to work with its customers across the globe to provide technology, value-added services, and long-term operations and maintenance services to ensure consistent delivery with predictable results. At KBR, we are the Team Behind the Mission<sup>SM</sup>.