



# PLATFORM CONTROLS

**HUMAN-MACHINE INTERFACE DESIGNS  
FOR GROUND COMBAT VEHICLES**

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## HUMAN-MACHINE INTERFACE DESIGNS

Essex Industries is a leading manufacturer of platform controls supporting our partners with 73+ year's defense supplier experience, lean MBE manufacturing, in-house testing, rapid prototyping/in-house 3D printing and an overwhelming drive to take care of our customers and the end user. Essex manufactures some of the most complex human-machine interface controls for the most advanced ground, and air combat vehicles in the world.



**50 CALIBER VIPER GUN  
SYSTEM CONTROLS**



**BRADLEY FIGHTING  
VEHICLE CONTROLS**



**M1 ABRAMS DRIVER &  
COMMAND CONTROLS**







## OVER 50 YEARS OF DESIGNING PLATFORM CONTROLS

With this experience designing and manufacturing control stick and throttle grips, Essex leads the way on programs including nearly every US fighter, trainer, bomber, cargo aircraft, and various ground combat vehicles currently in operation worldwide; Essex also has several successful launches of cyclic and collective grips and pedestals, to become a trusted partner in military rotary-wing modernization.



## OVER 70 YEARS OF MANUFACTURING

Essex Industries began in 1947 as a solutions provider to the aerospace and defense industry. Still a privately held business today; Essex has grown to become a leading provider of platform controls, aircraft components, emergency breathing equipment, and liquid oxygen systems with over 250,000 fielded products serving the warfighter each day.



## CREW SAFETY

Essex Industries is a leading manufacturer and provider of a full line of FAA, CAA, CAAC and ANAC approved and mandated emergency portable breathing and rescue life support systems. Our patented technology has been proven over years of use during emergencies in applications worldwide.



# BUILD-TO-PRINT

In addition to new product development, Essex offers build-to-print services that meet customers' requirements for components, assemblies and systems. Essex can efficiently manage and execute the build according to existing drawings and specifications supplied by the customer. Support services that include engineers, program managers, procurement and technical staff are available to review designs and documentation to ensure quality results.

## Manufacturing Capabilities

- CNC Machining Operations
- ASME, DOT and MIL-STD Welding
- Chemical Processing
- Metal Working and Treatment
- Electromechanical Assemblies
- Custom Valve Manufacturing

## In-House Testing

- High Pressure Oxygen to 3000 psig
- High Pressure Nitrogen to 6000 psig
- Oxygen Clean Assembly and Test Facilities
- Electrical Testing
- Hydraulic Testing (MIL-H-5606, Skydrol, MIL-H-7808)
- Fuel Testing

## Certifications and Qualifications

- FAA/PMA Number PQ3409CE
- ISO AS9100 Rev D, Qualified Number C2009-01180-R1
- NADCAP Certified for Chemical Processing #133862 Merit Status



## Build-to-Print Control Panels

