Across manufacturing sectors, there is a continuing push to reduce size, weight, and power demands of military platforms while simultaneously improving operational efficiency, expanding logistics capabilities, extending life, and reducing costs.

**THE SOLUTION:** Dissimilar Materials Joining

Overcoming the technical challenges of joining new material combinations allows advancements in:

- **Lightweighting**
- **Unique multi-material structures**
- **Parts with tailor-engineered properties**
- **Better strength-to-weight ratio, corrosion resistance, erosion resistance, survivability, and high-temperature strength**

**About EWI** EWI has extensive experience helping manufacturers develop joining methods for a wide variety of dissimilar materials using processes that include fusion arc welding, fusion welding, solid-state joining, brazing and soldering, and adhesive bonding.