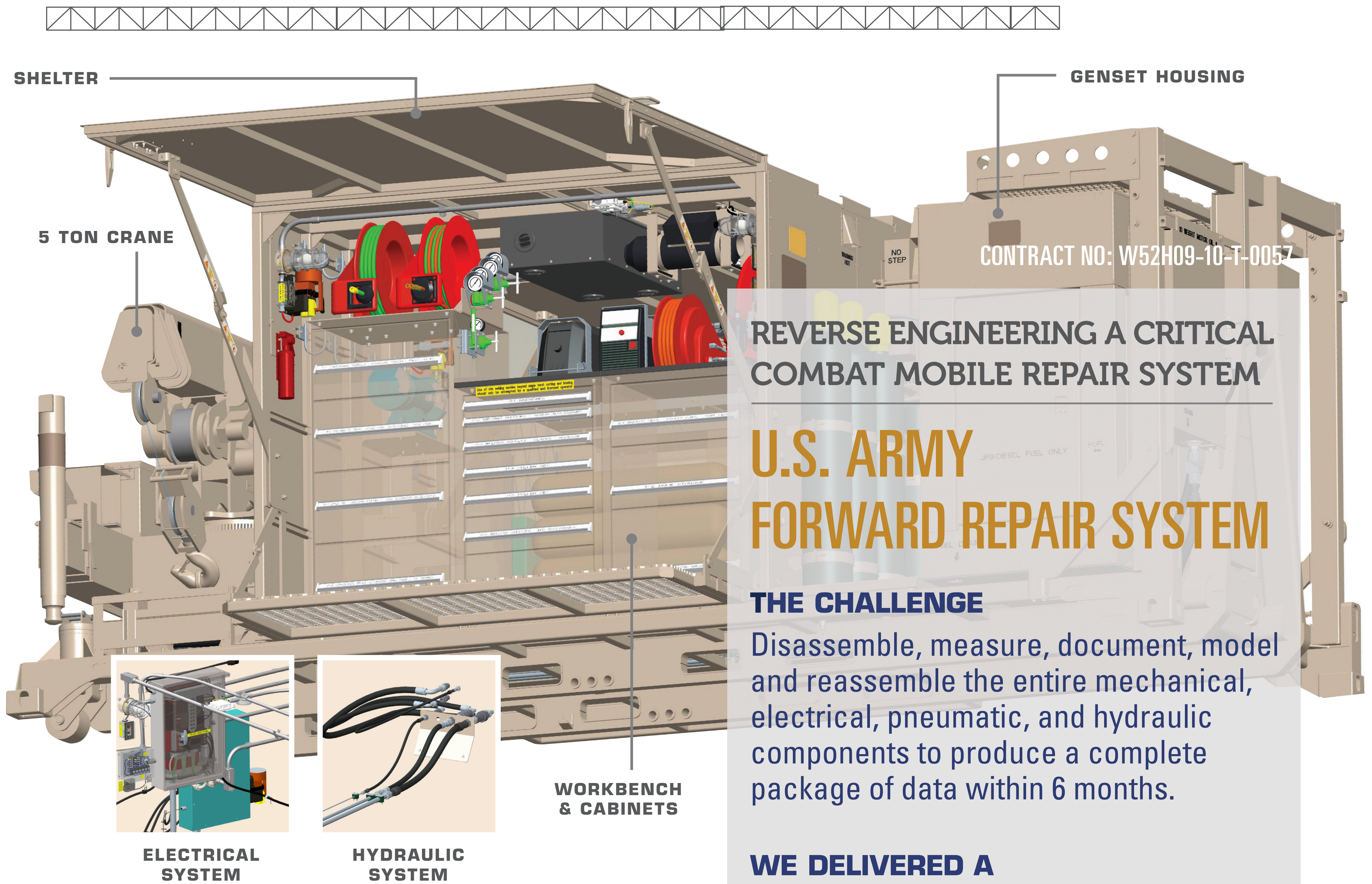


# ON TIME, ON BUDGET

## ALL 20,000 PARTS



REVERSE ENGINEERING A CRITICAL  
 COMBAT MOBILE REPAIR SYSTEM

## U.S. ARMY FORWARD REPAIR SYSTEM

### THE CHALLENGE

Disassemble, measure, document, model and reassemble the entire mechanical, electrical, pneumatic, and hydraulic components to produce a complete package of data within 6 months.

### WE DELIVERED A

## TECHNICAL III DATA PACKAGE

giving the U.S. Army manufacturing-ready, precision 3D models and drawings.

### OUR SOLUTION OVERCAME

- » Working with limited & incomplete reference info
- » Accurately measuring welded areas where welds blended with sheet metal components.
- » Safely lifting the FRS assembly to access the hydraulic lines and electrical cables.
- » Modeling 3D paths of hydraulics and pneumatics.
- » Establishing & validating suppliers of custom-made or modified components.

