PRODUCT
Prophet is a tactical Signals Intelligence/Electronic Warfare Support capability for the Brigade Combat Team and Expeditionary Military Intelligence Brigade.

PROBLEM
Prophet was a complex hardware and software system with minimal visual cues to assist with setup and a lengthy 3,000 page user manual. The heavy weight of the system and difficult setup was hindering users in the field.

SOLUTION
Redesign the layout and functionality of the transit case modules to reduce weight and user setup time.

UNDERSTANDING THE USER
Comprehensive user personas and scenarios were developed to provide greater understanding of the current users in order to make recommendations for the redesign.

DESIGNING SOLUTIONS
Sketching and low-fidelity mock-ups were used to understand and resolve problems before they were built into the final system.

INTEGRATING FEEDBACK
Problems were identified early by user testing low-fidelity mock-ups and iterating on designs to ensure the redesign was optimized for usability.

IMPACT
Applying user understanding and feedback to the redesign of Prophet reduced the weight of the transit cases by 53% and reduced the setup time by 56%.