

A photograph of two soldiers in camouflage uniforms and helmets working on a laptop in a field setting. The soldier on the right is pointing at the screen, while the soldier on the left looks on. They are wearing black face masks. The background shows a grassy field and a clear sky.

CASE STUDY

Mercury + Leading Defense Prime



Mercury extends EA jammer training system technology to a new platform in fewer than four months

CHALLENGE

Develop a replacement for an aging, ground-based radar and communications training system within an abbreviated timeline that offers multiple independent channels, DRFM and jamming techniques.

SOLUTION

Mercury adapted their existing airborne threat emulator, enhancing it to model ground-based threats. The out-of-the-box jammer training system, which is easily transported and can be set up within one hour, provided what was needed to effectively train radar operators against advanced electronic attacks.

RESULT

In fewer than four months, the leading defense prime received a training system with multi-band DRFM and EA jamming capabilities in a rugged yet portable form factor, and was able to implement the system without any downtime. Radar and communications operators are able to run, modify, view and analyze RT spectrum training scenarios, and view effectiveness reports automatically generated by the system. Users now operate confidently in the field with technology backed by years of expertise and can expect ongoing enhancements for system sustainment.

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