Executable AI runs on-board the ISR platform and collects new data and performance metrics. The updated model is deployed as a highly efficient low SWaP executable runtime environment that can identify new and modified targets. Operators in the field use the RTK interface to tune and train the model with new maritime data. The RTK optimizes the updated model and packages it on-site for immediate redeployment. Adversaries Adapt. Can Your AI?

Equip warfighters with the ability to increase their tactical advantage in real-time.

- Retrain and redeploy AI on-site in disconnected environments to adapt to changing conditions.
- Built in ML expertise for non-expert users.
The Latent AI Ruggedized Toolkit (RTK)

Situations change rapidly in contested environments, which means AI can quickly lose its reliability. Latent AI accelerates every warfighter's mission to gather, interpret, and respond to data, regardless of their location or connectivity, using your existing operationally qualified platforms and devices.

**Only Latent AI provides:**

- An optimized and secured AI development pipeline ready for IL5/IL6 integration
- Field Updateable AI to maintain and extend in-situation tactical advantages
- Secured runtime with watermarking and encryption to prevent adversarial tampering, model theft and reverse engineering

### Design

Design models from qualified starting points that let you start training AI models to adapt to operational conditions in minutes, not months

### Deploy

Scale delivery and run lightweight, optimized edge computer vision models on UxVs/UxS and other devices while deploying warfighters in the field with the RTK

### Adapt

Warfighter uses RTK to analyze results, make changes to the AI via a simple user interface, and then retrain/redeploys the AI to the device all on site

### Features

- Field ready ruggedized portable laptop with military grade hardware and storage
- Easily integrate with your own device and processes
- Off-line operations for contested bandwidth/no cloud environments
- Simplified workflow that allows operators to tune and redeploy AI in minutes
- Built in model watermarks and encryption to prevent adversarial tampering, model theft and reverse engineering
- Extended mission impact with low SWaP ultra efficient AI that runs 30x faster while reducing storage needs up to 10x

### Use Cases

- UxV, Object Detection
- Mine Countermeasure Operations
- Seafloor Debris Detection and Mapping
- Underwater Pipeline Inspection
- Environmental Monitoring
- Search and Rescue
- Hazardous Materials and Threat Detection

### About Us

Latent AI is a U.S. based and owned startup, with technology originating from DARPA. We are already working with U.S. Navy, U.S. Marine Corps, U.S. SOCOM and U.S. Army.