cti

SERVICES

ABOUT US

CTI is a US-based software development, systems integration, and training services company specializing in the open, government-owned TAK and RaptorX 3D mapping applications designed to support mission planning, multi-level situational awareness, multi-int sensor command and control (C2), and post-mission data processing.

TAK INTEGRATION & PLUGIN DEVELOPMENT

The CTI Integration Services team specializes in development of plugins and custom integrations for the open, government-owned Team awareness Kit/Tactical Assault Kit (TAK), RaptorX, Electronic Warfare Planning and Management Tool (EWPMT), and Joint Interface Control Document (JICD) standard. As core developers for several of these platforms, CTI understands the most efficient and cost-effective ways meet the needs of our customers and to enable new plugin integration within open, government-owned ecosystems to which our team contributes. Our processes ensure that your plugins make it through the required stages to become a part of the official military, government, or civilian distributions of each of these platforms.

TRAINING & SUPPORT SERVICES

Our team's combined experience utilizing TAK and RaptorX within Special Operations and Electromagnetic Spectrum Operations is second to none. CTI's support technicians can rapidly develop and deliver customized curriculum, facilitate field training exercises, and support effective deployment during live operations as required.

TRAINING COURSES

TAK Fundimentals	TAK Intermediate	TAK Advanced	RaptorX
•TAK Ecosystem Introduction •User Interface (UI) Navigation •Blue Force Tracking •Default tool instruction •Imagery analysis •Route Planning •Video Streaming Integration •Over 30 more •Basic Validation	TAK Fundamentals + •TAKServer / Network Interaction •Directory setup/navigation •Digital Terrain Elevation Data (DTED) Imagery Import, download, & export •Advanced Plugin Instruction	TAK Intermediate + •TTP Establishment •Command and Control Integration •Basic WebTAK Navigation •TAKServer Management •Federation (UI side)	TAK Intermediate + •TTP Establishment •Command and Control Integration •Basic WebTAK Navigation •TAKServer Management •Federation (UI side)
2 Days	3 Days	4-5 Days	2 Days

EXAMPLE INTEGRATIONS

Category	Feature	TAK (Team Awareness Kit)	RaptorX	EWPMT	JICD
Networks and Connectivity	Satellite or commercial connectivity	✓			
	Mesh Networks	✓	✓		
Sensor & Hardware Integrations	UAS, UAV, UASS	✓	✓		
	Software Defined Radios	✓			✓
	Electronic Warfare Equipment	✓	✓	✓	✓
	Signals Intelligence Equipment	✓	✓	✓	✓
	Spectrum Monitoring	✓	✓	✓	
	Interference Detection		✓	✓	
	LIDAR, RADAR, Unattended Ground Sensors	✓	✓		
	Vehicle or asset GPS tracking / Tag Track Locate	✓	✓		
	Full Motion Video	✓			
Algorithms	Terrain Processing		✓		
	Geolocation	✓	✓	✓	✓
	Machine Learning	✓			
	Automated Route Planning	✓	✓		
Data Fusion and Aggregation	Enterprise to the edge integration of sensors and systems into cloud repositories for analysis and processing	✓			
	Distributed C2 and SA of novel and legacy systems	✓	✓		
	Live Virtual and Constructive Training Environments	✓	✓		