



MISSION ANALYTICS

MODELING/SIMULATION

DEFENSIVE CYBER

FTI WOPR® Wargaming

Next-gen, effects-based, cross-domain, cross-agency

FTI Defense® has provided analytics, modeling and simulation technology, expert analysis and support services supporting defense wargaming since 2016,

Our solutions are designed to be fit for purpose as one size rarely fits all to ensure maximized impact to the warfighter.

FTI WOPR® is our next generation effects-based wargaming software, offering expanded wargame scale and scope, collaboration between different agencies and across domains, and enhanced flexibility.

10+ YEARS

Supporting wargaming since 2016 – across planning, execution, adjudication and analysis.

70+ EVENTS

Provided game design, execution and adjudication for more than 70 games.

MISSION EXPERTS

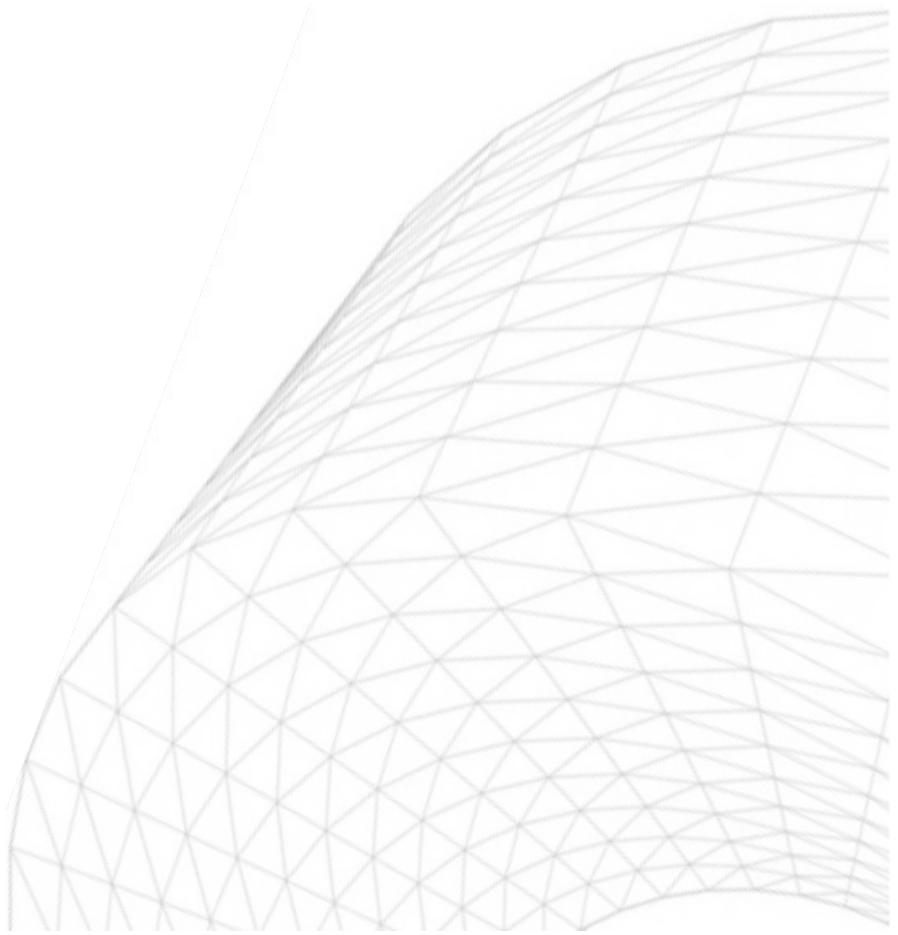
Deep bench of cleared Engineers, Developers, Data Scientists, Cyber, and Domain Experts.

DISRUPTIVE TECHNOLOGY

Platform designed to scale fast, extend based on new and emerging requirements and integrate to reduce friction and costs.

“We have never seen logistics planned and played at this level.”
Adjudication Lead, Global Engagement

“FTI’s [solutions] were employed and performed flawlessly at the PACAF/AFRL FAST ACE Wargame – the results exceeded my expectations.”
**USAF iSWAT Program Manager
AFMC A5/8**



FTI WOPR®

War. Operation. Plan. Response.

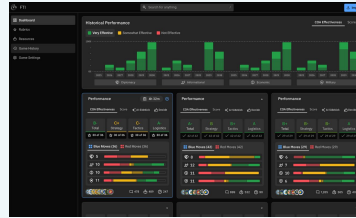
FTI WOPR is a next generation, effects-based digital environment that enables powerful wargame scale, scope and mission expansion with horizontal, cross-agency and multi-domain integration of strategic and tactical elements.

WOPR delivers new workflows and mission types – with open architectures and interoperability, training, strategic and tactical planning, and analysis.

WOPR's technical innovations deliver actionable insights at higher velocity, with real-time analysis, analytics, reporting and visuals.

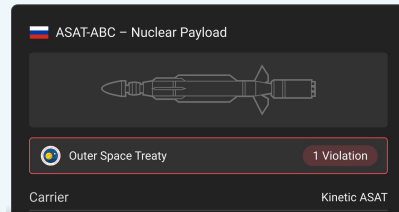
Enhanced Move Analysis

AI tools, annotations and visualizations clarify strategic impact.



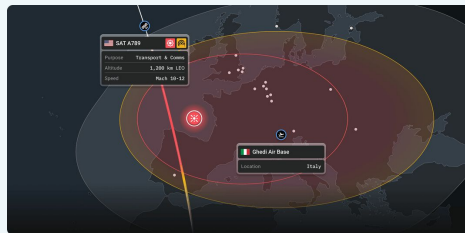
Threat Details

Get detailed analysis of detected threats and potential impacts.



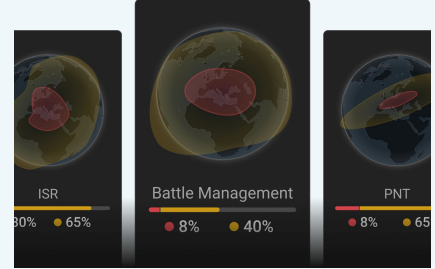
Custom Visualization

View your scenarios the way that best aligns with your objectives. Strategic or tactical: you make the call.



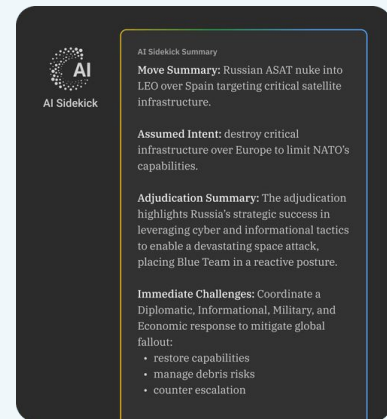
Global Capability Maps

Easily pinpoint the impacts across all domains in near-real time.



AI Assist

Leverage historical data, past game history and learned expert insights to help inform and assess COAs.



AI Sidekick Summary

Move Summary: Russian ASAT nuke into LEO over Spain targeting critical satellite infrastructure.

Assumed Intent: destroy critical infrastructure over Europe to limit NATO's capabilities.

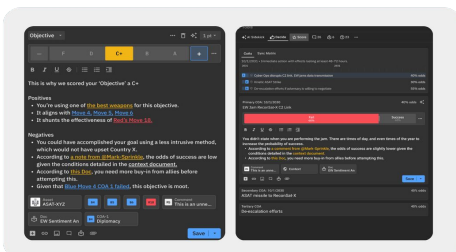
Adjudication Summary: The adjudication highlights Russia's strategic success in leveraging cyber and informational tactics to enable a devastating space attack, placing Blue Team in a reactive posture.

Immediate Challenges: Coordinate a Diplomatic, Informational, Military, and Economic response to mitigate global fallout:

- restore capabilities
- manage debris risks
- counter escalation

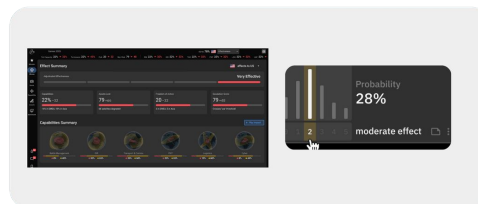
For Adjudicators

Improve speed, quality and depth of analysis and feedback. Inject AI for assist and knowledge capture.



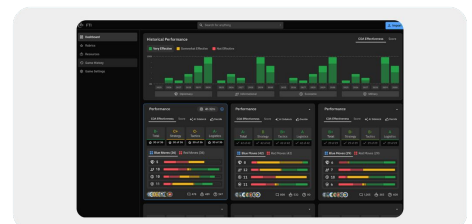
For Players

Improve game experience. Deliver more opportunities for value added experiences.



For Leaders

Enable historical insights and drive year-over-year improvements. Add value without complexity.



Effects-Based vs. Physics-Based Wargaming

CAPABILITY	EFFECTS-BASED	PHYSICS-BASED
Strategic Planning	✓ Full campaign-level modeling	✗ Not supported
Usability & Accessibility	✓ Broad audience, initiative	✗ SME-only
AI/COA Generation	✓ Embedded decision support	✗ Not available
Cross-Domain Modeling	✓ Integrated space, cyber, comms	✗ Single-domain only
Doctrine & Adversary Logic	✓ Simulates behaviors, escalation	✗ Not modeled
Tactical Data Ingestion	✓ Consumes outputs from sims	✗ No framework to use them
Training & Exercises	✓ Senior leader & operator ready	✗ Limited utility

Training & Futures Planning | Extensible & Data-Driven

- Enables “what-if” analysis using historical data and emerging scenarios.
- Integrates plans, doctrine, and strategic theory to test concepts and develop lessons learned.
- Supports iterative scenario development informed by past wargames and planner input.

Real-Time Decision Support | Integrated & AI-Enhanced

- FTI’s AI Sidekick[®] accelerates insight generation — enhancing wargame pace and decision value.
- Speeds up adjudication to focus analyst effort on value-added analysis and outcomes.
- Enables faster evaluation of plans stress tests assumptions, and highlights key decision points.

Strategic Game Engine | Customizable & Mission-Aligned

- Seamlessly integrates with existing planning workflows, CONOPs, and artifacts.
- Captures real-time inputs from players, adjudicators, and SMEs to inform outcomes.
- Embedded AI tools generate rapid summaries and actionable insights during gameplay.

Benefits of FTI WOPR®

Strategic Insights over Tactical Detail

Allows planners, players, adjudicators and leaders to evaluate broader campaign outcomes, test assumptions, and simulate responses across different factors.

Readiness, Doctrine, and Future Force Development

By simulating the evolution of future capabilities and integration of emerging tech, leadership can "test before they invest" and align decisions with strategic intent.

Integration, Not Isolation

Ingest physics-based simulation outputs (platform readiness, weapon performance, attrition effects) and fold them into higher-level decision models — providing a bridge between the technical reality and strategic choice.

From Training to Transformation

Support leadership development, staff training, and decision rehearsal — enable strategic foresight, support experimentation and help developing indicators and warnings for emerging threats.

Kill Web-Driven Thinking: Multi-Domain & Multi-Order Effects

Can model interdependencies across domains and mission threads. Transitions beyond single-domain kill chains to multi-node, multi-domain webs. Model complex interactions more effectively. Can account for non-kinetic effects like information warfare, sanctions, or supply disruptions.

MORE ABOUT FTI DEFENSE®

FTI Defense delivers AI-powered software rapidly, at affordable cost, and with tech-enabled services to help our nation's warfighters make better decisions, improve mission operations across all domains and adapt to a constantly evolving mission environment.

Our AI-powered analytics, modeling and simulation, defensive cyber software, and tech-enabled services bring an entirely new level of multi-agency, multi-domain, and multivariable analysis, visualization, what-if exploration, decision-making, and operational improvement capability to critical national defense initiatives.

All without disruption to existing customer systems, vendor lock-in, or loss of data ownership. Learn more at www.ftidefense.com. Schedule a demo or request more information: product@ftidefense.com.