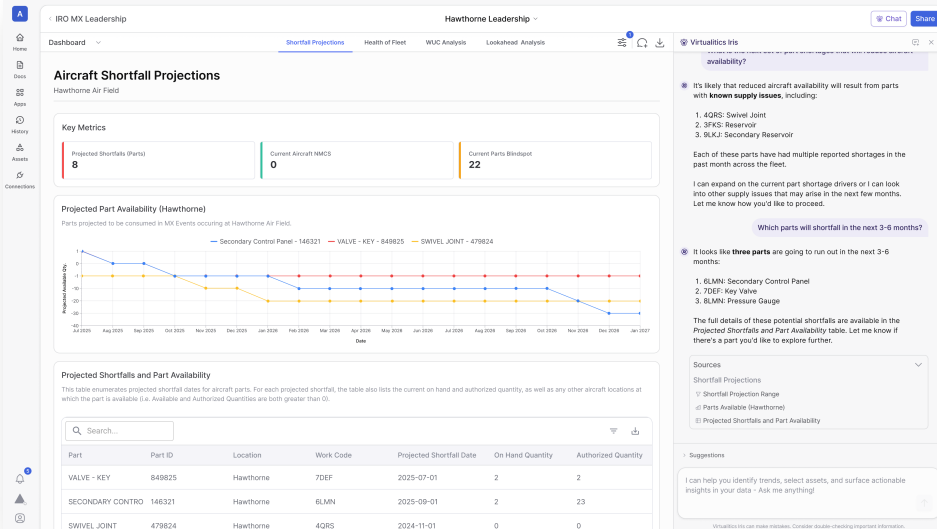


Integrated Readiness Optimization

Exceptional mission readiness demands holistic strategies



Disconnected data systems leave teams without answers and put your mission at risk. Virtualitytics transforms data into impact with AI-powered applications to improve availability and meet objectives.

ENHANCED BY Virtualitytics Iris



An intuitive **Chat Interface** enables the use of natural language to quickly and easily find relevant and critical insights in readiness data.



Readiness AI Agents are purpose-built to generate and surface insights within a specific mission context while operating with awareness of institutional structures and stakeholder expectations.

AI Makes Integrated Readiness Optimization Applications Possible

Powerful AI methodologies fuel each IRO application, synchronizing data across sources to provide an unparalleled view of what is impacting your mission.



IRO Maintenance



IRO Cognition



IRO Materiel



IRO Cyber

Informed Decision-Making Leads to Strategic Wins

IRO Applications guide teams to take impactful action and deliver significant value by combining the science of AI with the knowledge of subject matter experts.

- ▶ Enhanced Coordination
- ▶ Synergized Resource Allocation
- ▶ Effective Risk Mitigation
- ▶ Reduced Unplanned Downtime
- ▶ Increased Productivity
- ▶ Maximized Mission Readiness

IRO Cognition

Discover essential insights and enhance mission readiness

Commanders are overwhelmed with complex and unstructured data, which can lead to under-informed decisions that negatively impact resourcing.

IRO Cognition enables leaders to quickly identify degraders to readiness, helping to uncover the potential impact to operational initiatives.

IRO Cognition shows:

What is about to fail?

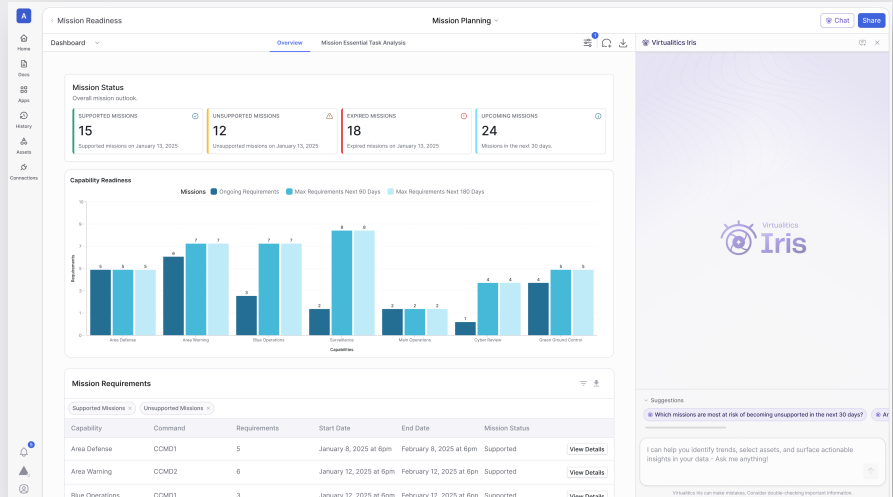
Track and flag readiness indicators through natural language processing.

How should you respond?

Proactively mitigate degraders and preserve the mission.

What if?

Identify impacts to mission success if we don't take action.



Maximize Your Operational Potential

IRO Cognition reveals the impact of personnel availability across your mission.



AI-Driven Topic Modeling

Distill corpuses of mission-relevant narrative text into simple, interpretable topics using AI.



Robust Data Pipeline

Run repeatable analytic workflows, including NLP routines, against data extracted from systems of record.



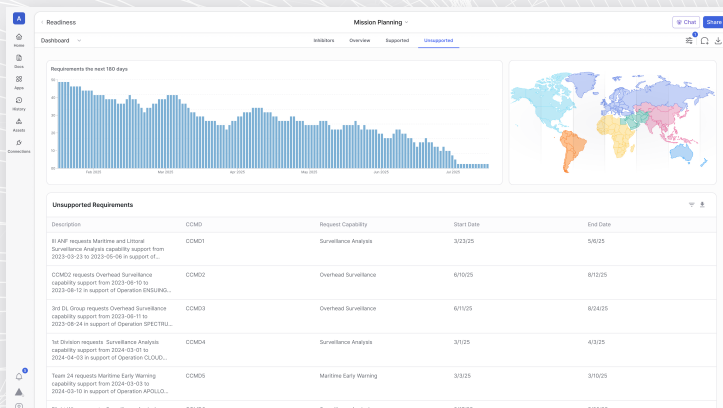
Automated Identify Degraders

Identify factors that degrade readiness, enabling leaders to proactively improve readiness posture.



Comprehensive View of Risk

View readiness risk across multiple dimensions, including levels of commands, missions, functions, and capabilities.



Achieve Mission Readiness with Trusted AI

- ▶ Identify Degraders to Mission Readiness
- ▶ Execute Repeatable AI Workflows
- ▶ Capture Overall Unit Readiness
- ▶ Identify, Quantify, and Forecast Risk
- ▶ Provide Data-Driven Clarity in Forecast Assessment, Programming, and Budget

