VIRTUALITICS®

Intelligence collectors, targeters, and analysts in the digital age can easily be overwhelmed by the sheer volume and noise of data available. Then add the challenge of multiple–vendor analytical systems that do not integrate, and analysts are forced to manually search across numerous datasets and databases to try and find signal in the noise. Automation can help, but without a robust, flexible method for interacting with the data, analysts and targeters will continue to be unable to extract insights in a meaningful way.

The Virtualitics ISR & Domain Awareness solution enables automated correlation, anomaly detection, and iterative intelligent search of databases to expedite and automate target development, NAI management, and other analytical tasks. Multiple organizations in the Department of Defense are solving this challenge with the Virtualitics AI Platform. Our cloud-capable platform is NGA SWAP approved for NIPR, SIPR, and JWICS, and can also be deployed on standalone devices at the edge.data from vulnerability scans and threat intelligence sources to provide comprehensive insights into cyber network risks, aiding in the characterization and monitoring of network hosts.

▶ **Automatically parse and merge disparate data sources to answer complex analytical questions.**
Quickly identify complex insights across disparate datasets, elevating above manual effort and recommend strategic action.

▶ **Automatically correlate unique identifiers.**
Enable target development and pattern of life analysis to support operational planning and targeting.

▶ **Rapidly interact with ISR data, using in-built AI features.**
Visualize your collection and quickly identify anomalies, outliers, and correlations for follow-on analysis.

▶ **Receive quick and actionable feedback on collection effectiveness and completeness.**
Leverage analytics at the point of collection for parameter tuning, enabling more effective collection, even in a contested or untethered environment.

Virtualitics is NIST 800–171 Compliant and approved for:
ADVANA | AWS govcloud | NIPR | SIPR | JWICS

SEWP V
www.sewp.nasa.gov

GSA
Schedule 70

CHESS
ITES-SW2

TIPS

2GIT
2ND GENERATION INFORMATION TECHNOLOGY

SBIR★STTR
U.S. AIR FORCE ★ U.S. SPACE FORCE

Virtualitics AI Platform

Use **AI-guided data exploration** as a pathfinder for insights and storytelling.

Meet demanding **modeling** expectations with explainability & transparency.

Build **decision-making AI Apps** designed for a human-centered approach.

DATA EXPLORATION

AI DECISION SUPPORT

MODEL TRAINING

▶ **See the big picture.**
Virtualitics enables the creation of powerful workflows that identify insights using multiple data sources paired with AI algorithms. Through transparent and trustworthy AI, our workflows guide teams in building strategies that improve critical performance metrics in groundbreaking ways.

▶ **Build strategies based on deep network analysis.**
The patented Virtualitics Network Extractor enables teams to create knowledge graphs of natural language content so they can analyze data deeply and efficiently. Network enumeration and vulnerability assessments are conducted leveraging all the relevant data, without teams being forced to limit scope or make assumptions.

▶ **Objectively evaluate your performance.**
Quickly and fairly measure the success of programs by bringing data together–project reports, staffing metrics, financial reports, agency policies, objectives, and more–with AI-powered workflows that find connections and identify how your program is performing against important metrics.

▶ **Spend time and resources wisely.**
Using Virtualitics' AI-enabled workflows teams can automate repetitive analytical efforts and get insightful data visualizations to support critical strategic efforts including target development and mission planning with confidence.

Customers can use our AI applications for:

▶ **Rapid ISR Data Visualization**

▶ **Collection Effectiveness and Completeness**

▶ **Correlation of Multi-INT Data**

▶ **Threat Anomaly Detection**

▶ **Target Development**

▶ **Pattern-of-life Development**

Trusted by Government Agencies To Deliver Mission-Critical Solutions

DS_PS_ISR_May2024