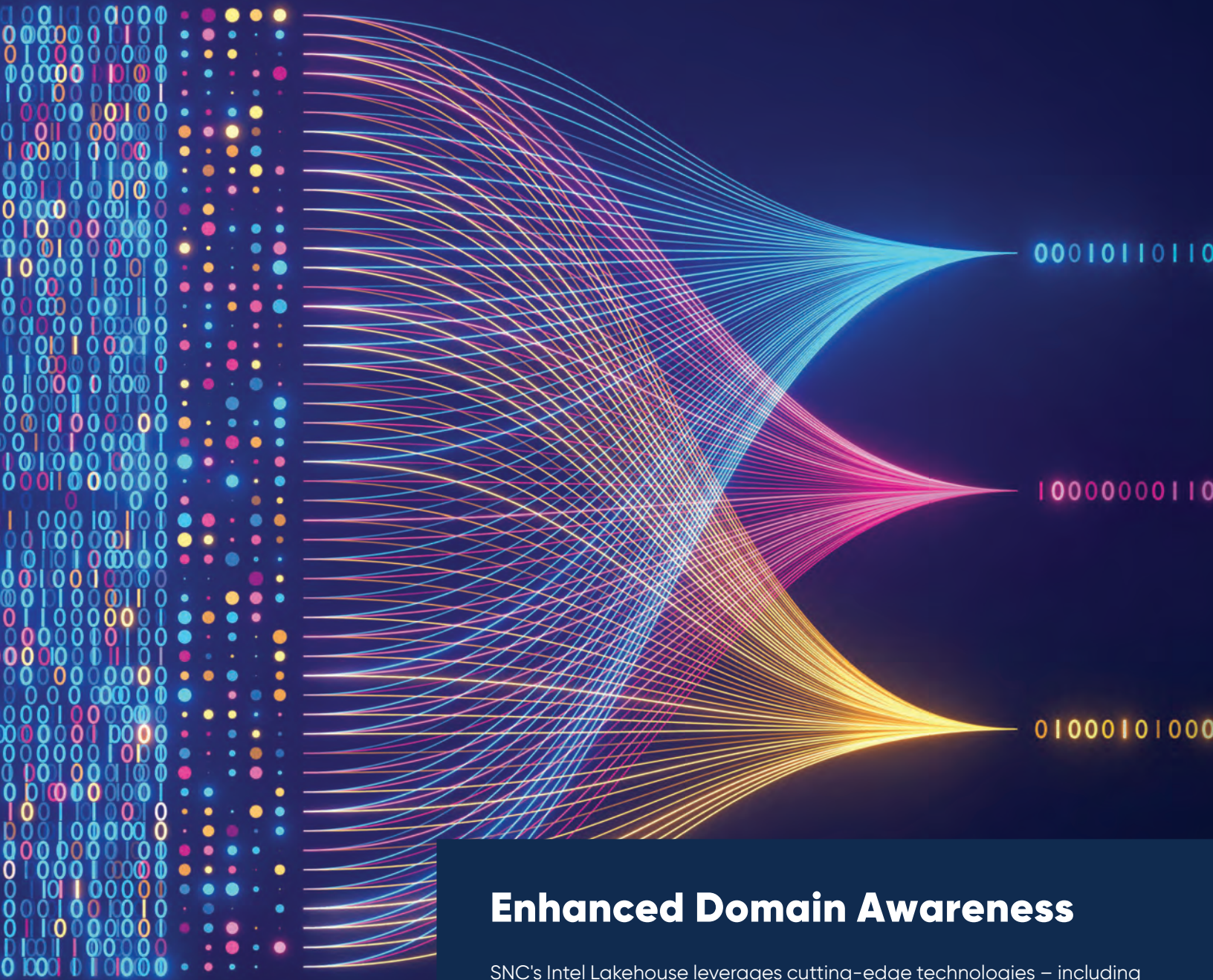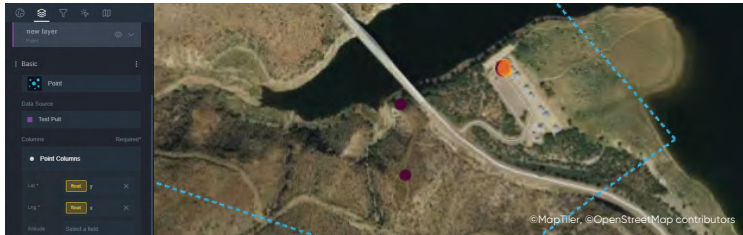# snc®

Intel
Lakehouse

Enhanced Domain Awareness

SNC's Intel Lakehouse leverages cutting-edge technologies – including our *Vindlér®* LEO RF satellite constellation, commercially available data lakes and advanced RF and EW sensors – to host data at all levels. We enhance this with an AI/ML layer for data fusion, analytics and Tip & Cue capabilities. This Intel Lakehouse integrates seamlessly with *TRAX Edge™* software, providing informed decision making and predictive insights for any platform, ground station or warfighter.

iNTEL LAKEHOUSE

SNC's Intel Lakehouse enables analysts, operators and decision makers to enhance their situational awareness and discover previously unknown links through the use of advanced algorithms or near real-time, global and persistant data stores.

ANALYTICS TOOLSETS

©MapTiler, ©OpenStreetMap contributors

Analytic Workbench Environment
Performs robust scalable elastic compute analytics against the Intel Lakehouse leveraging 30+ analytic libraries

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Analytical & Data Query Toolset
Performs real-time and forensic queries across geospatial, temporal & textural indexes. Open Geospatial Consortium (OGC) standards such as Web Feature Service (WFS) and Web Map Service (WMS) compliant services endpoints are provided

DATA SERVICE MODELS

We offer access to the Intel Lakehouse across multiple pillars. These pillars enable the end user to perform geospatial analysis, data science tasks through a modern cloud infrastructure.

FEATURES

Data Fusion
Integrates data sources across all domains into a single platform

Enhanced Analytics
The AI/ML layer automates pattern analysis, correlations & insights

Predictive Insights
Tip & Cue capabilities allow for predictive insights with greater accuracy

Enhances Situational Awareness
Delivers faster, more accurate insights for targeting, ISR & threat assessments

Critical Enabler for JADC2 & All-Domain Ops
Supports decision superiority across land, air, sea, cyber & space

Drives Demand for Advanced Tech
Requires AI/ML, sensor integration, data fusion platforms & edge compute capabilities

Force Multiplier in Modern Conflict
Transforms siloed intelligence into real-time, actionable information for mission success

ADVANCED EDGE ANALYTICS

- Multi-modal global intelligence to the Edge
- Information automation for IW
- Digital data fusion & analytics
- Tactical Edge compute nodes
- Space-based compute
- Near real-time RF collection
- Batch data delivery
- Bulk API streaming

snc®

9/25/2025