

DATA SCIENCE for Enhanced Government Operations

In today's environment, the ability to quickly obtain, analyze, and act based on reliable data is imperative. When analytics fall short of truly actionable insights, agencies lose the opportunity to shape outcomes that drive mission success.

To meet this challenge, INODE has created a five-step method to data maturity for government, aimed specifically at enabling actionable intelligence on demand. Through this process, we turn data into easily accessible, digestible, usable information for deep insight and easy collaboration among every level of organizational decision-maker, driving mission-critical decisions.

INODE's culture of innovation and data-centric focus allow us to look at an organization's current state holistically, and create a plan to take our customers on a journey to actionable insights. We partner with customers to optimize data and its use, from storage through intelligence, to streamline systems, hone processes, and enable mission success.



CUSTOMER BENEFITS

- Improved data quality and availability
- Expedient, actionable intelligence, enabling mission-driving decisions
- Optimized systems and user functionality



Examples of Customer Success

SECURITY COOPERATION ENTERPRISE SOLUTION

Defense Security Cooperation Agency (DSCA)

INODE provided Data Management and Reporting System (DMRS) deployment, applications lifecycle management, and information architecture (IA) services using emerging technologies and robotic process automation to meet on-demand needs of the global Foreign Military Systems (FMS) community.

- Data and metrics analysis through ExtractTransform-Load (ETL) processes
- Dashboard design and implementation
- Defect resolution cycle time reduced by 31%
- Resolved 69% of break-fix defects in production
- Time-to-execute data pulls reduced by 49%
- Created a Robotic Process Automation (RPA) path to conduct daily operational checks, which reduced testing from several hours to less than 2 minutes
- Data processing time and complexity reduced
- 80% of planned costs expended

DATA ENGINEERING SUPPORT

Securities and Exchange Commission (SEC)

INODE provided agile-based Extract, Transform, Load (ETL) development in support of the SEC Division of Economic and Risk Analysis (DERA)'s financial analysts and data scientists which included data parsing, enhancements to existing ETL jobs, and ongoing production support to new and existing datasets.

- Reduced time-to-analysis from multiple weeks to minutes by automating manual coding
- Decreased latency through performance tuning
- Sourced, ingested, and aggregated data from FINRA, CBOE, WRDS, NASDAQ, and NYSE
- Transformed data into integrated final views for user analysis and use
- Facilitated rapid data insight through process automation and streamlining
- Automated manual testing processes by 50%