

# AUGMENTED ANALYTICS



IntelliDyne was an early pioneer in integrating disparate analytics technologies and immediately began developing the capabilities and proof points to integrate these technologies to solve real-world problems for our government clients.

IntelliDyne's Analytics Team has extended the definition of Augmented Analytics to also include intelligent automation, achieving what was once thought to be an elusive analytic pinnacle: *Prescriptive Analytics*, where specific, prescriptive actions can be taken or even automated, based on the analysis of available data. We now have solutions that automatically blend and fuse data, feed that data into business intelligence tools for analysts' review, apply artificial intelligence (AI) and machine learning (ML) to immediately identify anomalies (needles in the haystack), and then allow business users to invoke suggested prescriptive action by simply pressing a button or, intelligently take autonomous actions in cases where human intervention is not required.

Our Augmented Analytics approach takes advantage of new and emerging technology while not losing sight of the value of human perspective in decision making and analysis.

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At IntelliDyne, we believe that Augmented Analytics is the future of analytics. We blend the disciplines of analytics, business intelligence, and AI/ML to provide cohesive, end-to-end solutions to business problems and support prescriptive actions to address those challenges.

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## CORE CAPABILITIES

- Big Data Analytics
- Business Intelligence
- AI/Machine Learning
- Natural Language Processing (NLP)
- Robotic Process Automation (RPA)
- Data Workflow/Pipeline Automation

Our Augmented Analytics capability leverages and integrates multiple technologies to provide end-to-end business solutions for our clients including:

- **Analytic Dashboards** - Augmented analytics can take large data sets and create highly interactive and informative analytical dashboards to provide insights and support decision making
- **Automated Anomaly Detection & Autonomous Response** – our embedded AI/ML analytics can detect anomalies in your data and be trained to take prescriptive action
- **Augmented Data Discovery** - Using an augmented analytics process can assist organizations in automatically finding, visualizing, and narrating potentially important data correlations and trends
- **Data Preparation** - Augmented analytics platforms can take large amounts of data and automate the organization and "cleaning" of the data to be usable for analysis

## PROVEN SUCCESS AT DHA

IntelliDyne has provided analytics services to the Defense Health Agency (DHA) for close to a decade. To assist DHA's Security Operations Team, our data scientists developed an automated data integration workflow that fuses over a dozen cybersecurity data sources and populates and cleanses security data into a centralized location. Our custom visualization provides critical insights into DHA's Plans of Action and Milestones (POAM) vulnerability and patch management, saving thousands of hours of manual work and significantly narrowing the window between vulnerability detection and mitigation, improving DHA's overall threat posture. Our RPA bots have extended this use case into automated actions via integration with Defense Information Systems Agency's (DISA) Enterprise Mission Assurance Support Service (eMASS) system. This use case demonstrates the value of Augmented Analytics through the integration of big data analytics, business intelligence, and prescriptive/intelligent automation.

## ABOUT INTELLIDYNE

IntelliDyne, LLC is a market-leading Government Information Technology firm enabling better mission performance through innovative technology solutions. We manage public sector programs that deliver higher operational efficiency and measurable value to clients. We advise, develop, and execute effective solutions in IT Infrastructure Management, Automation, Analytics, Cybersecurity & Information Assurance, Application Development, and Cloud Computing. **Learn more at [intellidyne-llc.com](https://intellidyne-llc.com).**