Huntington Ingalls Industries

Hard Stuff Done Right ™

We tailor solutions by combining advanced machine learning methods with traditional statistical analysis.

NEW DATA ANALYTICS
Transform Data Into Information for Your Mission

Military leaders know that information and readiness go hand in hand. After all, U.S. defense and security agencies can only be prepared to act when they have access and insight into an ever-changing set of factors.

THE FUTURE OF READINESS

But, given the technology sprawl in today's landscape, the data that informs this insight comes from different sources and is stored in different places, making it less accessible and more difficult to analyze. Without the tools to capture and synthesize this data, it cannot translate into valuable information that supports readiness.

Every agency has done its 20th-century best to sustain our forces within the limits of human capability, but that limitation has costs. The age of big data has dawned, when we can offload much of the arduous work of mining data to specialized software. While the federal community has turned its focus to investments in modernization, the path to modern readiness is an incremental one. And it starts with data analytics.

HELPING DOD EXPLOIT BIG DATA

Whether on the ground, across the sea, or through the air,

Huntington Ingalls Industries (HII) provides data analytics solutions to support U.S. modernization and readiness. We apply artificial intelligence (Ai), machine learning, deep learning, and autonomy to make sense out of massive data sets and support better-informed decisions.

With a team composed of 40% veterans, our experts help you extract insights and improve planning through customized analyses and software solutions. We have been supporting America's warfighters for more than 80 years, with a track-record of excellence and the credentials to prove it.

Our unique combination of in-the-field knowledge and technological ingenuity means we can deliver root cause analysis, opportunity identification, and maintenance decision prescription to help synthesize and activate the data you need for mission success. By pairing data insights and systems expertise with machine and deep learning capabilities, we enable fast, secure, and decisive operations.

HII'S DATA ANALYTICS SOLUTIONS

Few things change as quickly as modern technology. That's why we apply our vendor-agnostic approach and agile engineering methodology to every project and program, saving you time and money while delivering industry-leading data analytics solutions that are tailored for maximum effectiveness and able to evolve even as the technology and threat landscape change.

ARTIFICIAL INTELLIGENCE

We apply our capabilities in deep and machine learning to help you glean more insights from data as well as identify and address information beyond what humans can achieve alone.

PROCESS RE-ENGINEERING

HII's engineering and process experts lean on their extensive expertise in methodologies like Six Sigma, LEAN, and Agile to identify inefficiencies and implement improvements.

PERFORMANCE METRICS

Our expert mathematicians, statisticians, and data scientists process critical operational performance data and present metrics to help you drive to the heart of your problem.

WEB-BASED DASHBOARDS

After identifying the key performance indicators (KPIs) that drive your operation, we develop web-based digital dashboards that allow you to explore data like never before.

FEATURED WORK

MISSION ANALYTICS PILOT

Predicting navy maintenance performance and duration has traditionally been a monumental task that results in schedule and cost overruns. Using cognitive analytics software, we are building an associative memory of Naval maintenance data. This memory will be used to identify common problem areas and better forecast the scope of planned work.
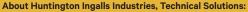
COMMON OPERATING PICTURE

Understanding the U.S. Navy maintenance and modernization process was difficult; numerous organizations influenced the outcome. We developed a Common Operating Picture (COP) to capture major influencing factors and developed metrics that were placed on a newly developed website for everyone in the loop to access.

METRICS KNOWLEDGE NETWORK

We identified the global best practices in data analytics and metrics development that should be used by any organization seeking to implement an effective data analytics program. With this information and insight, we helped create a knowledge-sharing network tasked with training, standardizing, and improving analytics development for the U.S. Navy.

The transformation required to modernize America's national defense will be fueled by data. We are proud to provide a variety of data collection and analysis tools as well as custom technologies to help you visualize and optimize the use of data and support maximum readiness. To learn more about our complete package of data analytics solutions, or to get connected with one of our experts, visit us online at tsd.huntingtoningalls.com.

CONTACT:
John Eubank
Vice President
Cyber & Electronic Warfare
john.eubank@hii-tsd.com
443.717.2100

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