

# KPMG Aperture

## Intelligent Forecasting



Data is a strategic military asset for modern warfighting—as important for mission readiness as any weapons system.

From the frontlines, across the chain of command, and through all support functions, the US military must be data centric. Trusted intelligence is essential to make quicker and more informed decisions at speed that protects missions and lives. But a lack of integrated data and analytical solutions has a challenge.

### How can we help

KPMG Aperture solutions offer a new level of vision and insights for military decision makers. Taking advantage of recent technology advances, we help the DoD integrate and synthesize program data to develop analytical and defensible insights leading to the increased readiness and efficiency of people, supplies, and systems.



#### Enhanced Decision Making and Impact

Rely on trusted intelligence and actionable insights with scenario planning and Course of Action analytics, allowing decision makers to model the impact of different scenarios on mission objectives.



#### Customizable Approach

Enhance existing forecasting processes and systems by employing automated forecasts and testing them across various analytical algorithms.



#### Increased Accuracy and Savings

This approach provides comprehensive forecasting solutions that scale across various domains. KPMG's Intelligent Forecasting has shown increased forecast accuracy, labor cost savings, and the addition of new signals for organizations.

### Intelligent Forecasting for better decisions

Our solutions reflect KPMG LLP's strong functional and domain experience, data and decision science excellence, and prebuilt accelerators. They are modular, open-source and customizable and tailored for complex defense environments.



#### Intelligent Forecasting

KPMG's Intelligent Forecasting is a comprehensive approach that incorporates internal and external signals to analyze data. It utilizes advanced predictive techniques, including artificial intelligence and machine learning models, to enhance accuracy. The system also enables integration and evolution of forecasts across various government functions and levels, leading to more reliable and increasingly accurate predictions over time.

## Predictive Techniques and Signal Analysis

KPMG Intelligent Forecasting leverages advanced techniques, integrates diverse data sources, and employs driver decomposition for enhanced forecasting capabilities.

- Rapid training and testing of multiple advanced predictive techniques are used to predict mission objectives like readiness and materiel demand, or supporting establishment requirements like financial spend.
- Integrates different data and signals from external sources, such as public socio-economic signals, along with internal sources such as financial and operational data.
- Driver decomposition features break down the forecast to identify the signals that most influence the prediction from which policy and action plans can be strategically developed.

## Forecasting Python Enabler

A suite of Python Packages is designed to optimize and accelerate the forecasting process using leading statistical techniques, overall enhancing efficiency and user experience by leveraging statistical techniques and system integration solution.

- A package focused on signal management, collection, transformation, and evaluation facilitates the effective handling of data. This enables organizations to derive valuable insights from the information collected.
- A model development package implements a diverse range of statistical modeling techniques for time series analysis and forecasting. These methods involve incorporating trend, seasonality, and other factors to accurately predict future patterns and make informed decisions based on the available data.
- Lastly, a package focused on model output and visualization offers tools to visualize models and results, allowing users to effectively interpret and communicate the forecasting outcomes.



## Contracting KPMG Intelligent Forecasting



## What is the Tradewind Solution Marketplace (TSM)?

TSM is a centralized, online repository sponsored by the DOD Chief Digital and Artificial Intelligence Office (CDAO) where any DoD entity can review and select available AI/ML, digital, and data analytics technology solutions and proceed directly to procurement. All solutions in the TSM have been assessed and deemed "Awardable" by an independent panel of judges. The TSM competitive procedures conform to competition requirements of 10 USC §4021 and §4022, FAR/DFARS Part 35, and Class Deviation 2022-00007, implementing Section 803 of the FY2022 National Defense Authorization Act (NDAA). This makes solutions in the TSM ready for selection and negotiation for a direct award by DoD activities.

- In coordination with your contracting office, log onto TSM at <https://www.tradewindai.com/> (create an account if you do not have one).
- Search for the company "KPMG LLP" or the solution video "KPMG Digital Fleet Management." Confirm the solution's status is "Awardable."
- Contact KPMG to begin contract negotiations.

All Tradewind solutions designated as "Awardable" have satisfied Federal competition requirements and can be contracted without any additional steps (no further competition or J&A is required). All mutually agreed upon contract or agreement mechanisms are open to the DoD entity and the vendor (Other Transaction Agreement, purchase order, cooperative agreement, standard procurement contract or other award mechanisms).

## Meet our team



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