

Observe, Orient, Dominate

Know Your World. Shape Your World.



Data-Driven Decision Support.

To achieve agile, data-driven decision support:

- Observe as many relevant behaviors as possible across all domains
- Orient the data (i.e., extract objects) and model “ripples” applicable to assessed situations
- Dominate by simulating effects, suggesting optimal courses of action, and educating users



Observe

Collect, normalize, and catalog a combination of significant real-time sources

Curated “dossiers” derived from Publicly Available Information and continuously updated for:

- Locations
- Facilities
- Media
- Events
- Assets



Orient

Serverless, low-code AI generates insights and predictions

Specialized methods:

- Scene characterization
- Object recognition
- Data labeling
- Gap filling (through multidomain context)
- Multi-step forecasting
- Model explanation



Dominate

Visual interactions provide real-time advice to inform decisions in complex situations

Change Detection

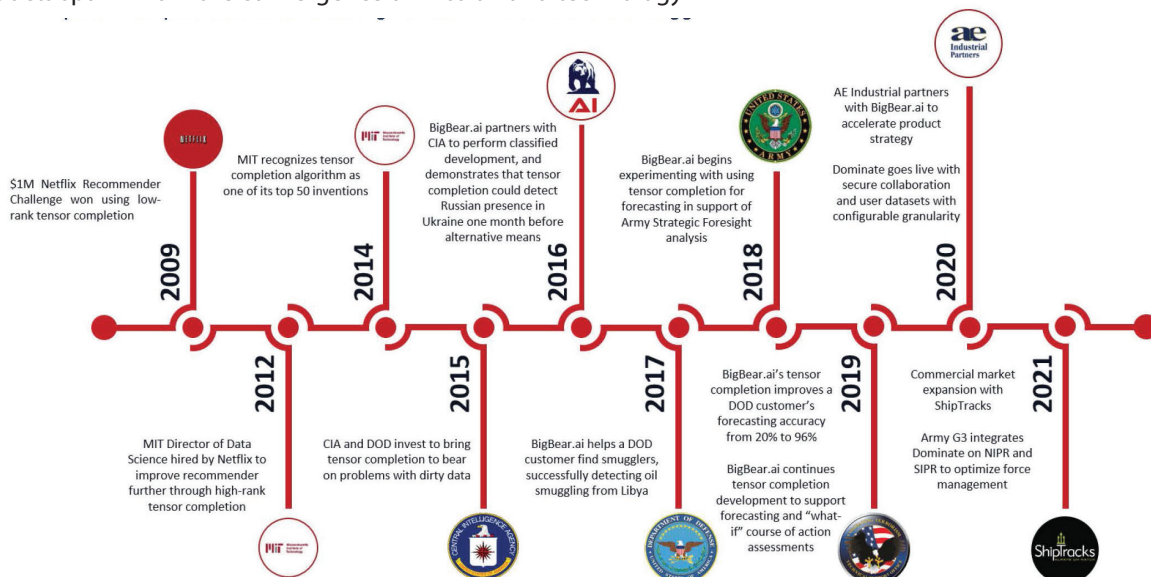
Course of Action Assessment

Allocation Optimization

- Location Intelligence
- Media Intelligence
- Maritime Intelligence

Product History Example - Tensor Completion to Dominate

BigBear.ai products spawn from the convergence of mission and technology



For more information visit BigBear.ai | Info@BigBear.ai

 **Observe**

Observe is a unique data collection and curation capability designed to keep tabs on the world around you, collecting and processing enormous volumes of data from multiple domains. Observe captures and distills relevant data into organized sets of information, forming a coherent and continuously updated view of the situations that matter to you anywhere on the globe. Our collections cover many subjects including facilities, location, news, events, social media, public communications, internet services and more. For situations that require a more customized solution, Observe collections can be used to enrich your proprietary data and analytics via modern, robust APIs.

 **Orient**

Orient is a low-code, composable analytical environment that provides customers with easily-configured algorithms and models for uncovering actionable insights. Orient includes cutting-edge, AI- and ML-powered analytics such as computer vision and natural language and text processing for extracting and understanding information hidden in raw data streams. Orient utilizes an autoscaling architecture to ensure processing stays ahead of big data streams.

Whether you are identifying scenes of interest in media files or using predictive analytics to forecast potential competitive scenarios, Orient delivers the scalable intelligence to help you stay on top of your enterprise's changing environment.

 **Dominate**

Dominate is a next generation decision support application that enables customers to convert data into outcomes. Utilizing technology derived from our battlefield expertise, Dominate analyzes your existing data to generate a forecast of probable future outcomes based on different decision options, assigns a likelihood to each of those outcomes, and ultimately allows users to understand potential impacts for each of these decision options. Dominate is based on a resilient analytical architecture specifically designed to make sense of data sets that are periodically dirty, erroneous, or full of gaps, going beyond the traditional shortfalls of other big data analytics. Customers can easily manipulate constraints or modify outcome goals through an interactive interface to quickly reveal the impacts of different decisions. Even in the most complex multi-domain environments, Dominate provides certainty in shaping conditions to reveal unexpected insights and develop innovative courses of action. expertise provide automation to transform vast troves of unorganized, dirty, and missing data into new insights, actionable plans, and superior decision-making.