# Lone Star Analysis: Providing Return on Analytics

**Matthew Bowers, VP, Corporate Development**

Flying at 8000 feet in UH-60 Black Hawks, USAF pilots are not comforted seeing a fault 'blip' on their dashboards, forcing them to land. The defense industry remains in need of cost-effective solutions to help foresee their own 'blips': the conditions of their assets, infrastructures, and systems. Both operations executives and technologists in the defense space expect a 'Return on Analytics.' Lone Star Analysis has proved its mettle in catering to this very need of the defense industry. The company has developed powerful predictive analysis tools to draw cause-and-effect patterns in their customers' critical environments. By building 'digital twins' of entire infrastructures along with their assets, Lone Star Analysis empowers the defense industry with crucial problem-solving capabilities.

"Our approach is very much opposite to the current efforts in analytics, which is spending big and building huge data lakes to collect hordes of data and trying to find meaning in them," explains Matthew Bowers, VP of Corporate Development at Lone Star Analysis. Bowers describes how they saw huge potential for application of their tools in the defense sector, where ever-changing budgets and priorities create highly complex and uncertain environments. "We point out the exact data required to solve the problem, and then build a virtual model around that." Lone Star Analysis's TruNavigator™ suite of solutions includes both decision analysis tools and processes. These factor complexity and uncertainty into a digital model, enabling the user to break down and analyze a set of outcome-deciding factors.

From a military standpoint, this helps decision-makers accelerate an Observe-Orient-Decide- Act (OODA) loop, and understand ramifications of potential actions, by altering a few factors and studying changed outcomes in just minutes.

In one instance TruNavigator™ helped manage a major training fleet transition activity for a Lone Star customer.

> ***"We point out the exact data required to solve the problem, and then build a virtual model around that"***

Pilots, instructors, fleet staff, and many other personnel needed to be planned for this transition. Old assets were retired from the fleet and replaced with new ones. Hundreds of people were involved. Complicated by inconsistent delivery schedules of new aircraft, this was a very complex knot to be untangled. Lone Star's digital twin simulated the situation and predicted the issues affecting schedule and expenditures. With an accurate, efficient forecasting ability, the customer managed to pull off the transition in a week of the plan.

Lone Star Analysis' recent launch of AnalyticsOS℠ extends predictive analytics to the IoT world, powered by patent-pending technology that brings real-time analytics to the network edge. The ability to perform prescriptive analytics in near real-time in the IoT world led to a successful and well-received demonstration of AnalyticsOS℠.

Fortifying every new tool with exhaustive benchmarking, Lone Star Analysis operates on customer loyalty and trust, signified by their impressive customer retention rates. "We believe analytics is a combination of great processes, tools, and people," states Bowers, "We can bank on the skills of over 800 hundred of our highly-qualified people with the expertise to quickly help solve a client's needs in nearly any market or technology." Befitting their name, Lone Star Analysis draws apt inspiration from the freedom efforts depicted in the Texan flag, and excels in empowering the defense sector with visibility, control, and predictability over their complex and mission-critical environments.

**Company**
Lone Star Analysis

**Headquarters**
Dallas, TX

**Management**
Matthew Bowers, VP, Corporate Development

**Description**
Delivers prescriptive analytical tools simulating highly complex infrastructures and environments to predict possible outcomes