TRANSFORMING OUR NATION'S AIRSPACE

Noblis is delivering critical enterprise services and solutions to the FAA

noblis | **NextGEN**

Partners in Delivering NextGen

In partnership with the FAA, Noblis is helping to transform our nation's airspace by envisioning and achieving the integrated systems and technologies that will carry us into the next generation of air travel. We bring the best of scientific thought, management, and engineering expertise to develop impartial solutions to complex aviation and other enterprise-level system of systems problems. We are ensuring the success of transformational NextGen programs like Data Communications, System Wide Information Management, and the NAS Voice System. Combining our domain knowledge with state of the art know-how puts Noblis on the front line of the most difficult enterprise level problems.

ENTERPRISE SYSTEMS ENGINEERING

Noblis' people, processes, and tools provide a lifecycle approach to mission-critical problems. Our experts specialize in the engineering of complex system of systems. We bring a mindset of innovation and collaboration to deliver effective, real-world solutions.

ADVANCED DATA ANALYTICS AND HIGH PERFORMANCE COMPUTING

Noblis' advanced data analytics and high performance computing enable novel techniques to analyze high-volume, high-velocity data. We perform predictive and forensic analysis on a massive scale to improve planning, decision-making, and real-time operations.

CYBERSECURITY

Noblis follows rigorous, proven processes to ensure enterprise-level security mechanisms are embedded in programs, systems, and infrastructure. We engineer sound security solutions, including threat analysis and cyber intelligence, into architecture designs, manage security risk, and improve resiliency.

STRATEGIC ADVISORY SERVICES

Noblis provides strategic-level analysis, governance and decision frameworks, and knowledge transfer of the latest technologies, methods, and approaches to help guide clients toward new, innovative solutions and best practices within their organizations.

MODELING AND SIMULATION

Noblis uses high-fidelity modeling and simulation to provide new ways for clients to validate system of systems concepts, examine operational impacts, ensure performance and resilience, establish business cases, and make better decisions.

SOFTWARE DEVELOPMENT

Noblis delivers innovative software solutions that provide lasting impacts to clients and their missions. We are committed to quality, transparency, and responsiveness. We use Agile processes and tools and focus on user experience to shape strategies that align with client goals and objectives.

PROGRAM AND ACQUISITION MANAGEMENT

Noblis supports the effective management and execution of complex acquisition programs. We support large-scale, transformational programs, providing executives and program offices with the analysis and recommendations they need to make optimal decisions.

AGILE TRANSFORMATION

Noblis delivers practical, enterprise-level Agile program management, helping organizations bridge the gap from "doing Agile" to "being Agile." Noblis' tools and techniques, combined with domain and acquisition knowledge help organizations respond to shifting priorities and mitigate risk.

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For the best of reasons

DELIVERING ENTERPRISE SOLUTIONS

Our experts are helping to develop the integrated systems and technologies that will carry us into the next generation of air transportation

DELIVERING FULL SPECTRUM EXPERTISE FOR AVIATION ENTERPRISE INFRASTRUCTURE AND SERVICES

As the prime contractor for the FAA's Enterprise Communications Support Services (ECSS) contract, Noblis and its team members bring hands-on experience across the spectrum of current and future aviation enterprise infrastructure and services. Our experts take a lifecycle approach to engineering, acquisition, service management, program management, and cybersecurity for current and future mission-critical terrestrial and air-ground communications, service-oriented architecture, and cloud computing needs. We are tackling some of the most highly technical and complex problems and contributing to the delivery of critical enterprise services, including the FAA telecommunications infrastructure and FAA cloud services.

PARTNERING WITH THE FAA TO MODERNIZE OUR NATION'S AIRSPACE

The United States operates the largest, most complex, and safest aerospace system in the world. This system manages over 30 million square miles of airspace and supports over 70,000 flights and two million passengers every day. Noblis is partnering with the FAA to improve the safety, efficiency, and environmental footprint of today's system, while also ensuring the successful transition to the Next Generation Air Transportation System through transformational programs such as Data Communications, System Wide Information Management, Terminal Flight Data Manager, and the NAS Voice System.

ENGAGING STAKEHOLDERS TO ENSURE PROGRAM SUCCESS

Noblis combines people, process, and technology to engage a wide array of internal and external stakeholders with program planning, execution, and implementation. Our experts engage operational personnel and organizations in the development of the models and simulations used to extend today's operations toward a vision for the future. Aircraft which are primarily consumers of air traffic services today are key enablers of the NextGen capabilities of tomorrow. Noblis' focus on the development of system of systems capabilities includes facilitating the critical coordination, collaboration, and cooperation across multiple constituencies (e.g., program offices, development vendors, and operational users) to ensure programmatic and operational success.

NOBLIS IS READY TO MEET YOUR CHALLENGES.

TALK TO A NOBLIS EXPERT:
answers@noblis.org

- Strategic advisory services
- Enterprise communications services
- Next generation air transportation systems
- Acquisition strategy and management
- Program and portfolio management
- Systems engineering lifecycle services

- Enterprise architecture
- Test and evaluation
- Cybersecurity
- Modeling, simulation, and data visualization
- Advanced data analytics and HPC
- Agile transformation

- Software development, UX design, and mobility
- Service-oriented architecture
- Cloud computing
- Investment planning and policy analysis
- Operational research and analysis
- Performance management

Noblis is appraised at Level 3 of the CMMI Institute's Capability Maturity Model Integration (CMMI)

CMMI DEV /3 SM
Exp. 2018-04-06 / Appraisal #24123

Noblis is a nonprofit science, technology, and strategy organization that brings the best of scientific thought, management, and engineering expertise with a reputation for independence and objectivity. We work with a wide range of government and industry clients in the areas of national security, intelligence, transportation, healthcare, environmental sustainability, and enterprise engineering. Together with our wholly owned subsidiaries, Noblis ESI and Noblis NSP, we solve difficult problems of national significance and support our clients' most critical missions.

Noblis has been named one of the World's Most Ethical companies numerous times. Our ethical standards are reinforced by our nonprofit status and our ability to be objective when bringing solutions to our clients. Noblis has also been recognized as one of the Best Workplaces by the Great Place to Work Institute, and as a Top Workplace by *The Washington Post*.

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