



## ARTIFICIAL INTELLIGENCE

**End to End Enterprise Solutions Inc. (E3S)**, is an advanced technology (AI/ML, Cybersecurity, Blockchain) and professional services company that operates in sectors including defense, government, intelligence, energy, finance, manufacturing, healthcare, and transportation. Founded in 2012, and located in Virginia, USA, E3S is SBA 8(a) Certified, Service-Disabled Veteran-Owned Small Business. E3S' AI/ML expertise includes development of Intelligent & Autonomous Systems, Digital Twin & Prognostic Health Systems, Model-based Engineering & Rapid Prototyping, and Crisis Management Decision Support across the public and private sector organizations.

### ADVANCED TECHNOLOGY

- Custom Computer Programming
- Computer Systems Design
- R&D – AI & ML research to Cyber Research
- BPI for Defense, Biomedical and autonomous vehicles
- Emerging Tech – Blockchain, AR, SD-WAN, AI, or Cloud-based apps (SaaS, PaaS, IaaS)

### AI/ML

- Deployment of Integrated Cognitive Computer Systems
- Intelligent & Autonomous Systems
- Model-based Engineering & Rapid Prototyping
- Digital Twin & Prognostic Health Systems
- Crisis Management Decision Support

### AWARDS & RECOGNITION:

2021 recipient of the NASA Group Achievement Award for outstanding performance on the NextSTEP-2 Gateway Habitation demonstration. Recognized for expertise in designing, testing, and deploying capabilities that help critical systems operate more autonomously and efficiently.



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### PAST PERFORMANCE

#### National Aeronautics and Space Administration (NASA)

The development, enhancement, and improvement of SSC's NASA Platform for Autonomous Systems (NPAS) and NPAS applications to support NASA's ground and space operations.

#### Stennis Space Center

Providing capabilities that can be used on ground systems, as well as those needed to enable sustainable exploration of the Moon and beyond.

#### Federal Emergency Management Agency (FEMA) NFIP Pivot O&M

Maintaining the existing applications at United States Department of Agriculture (USDA) Digital Infrastructure Services Center (DISC) hosting facility. Continuously improving and evolving Pivot's product architecture, user experience, Agile development, and DevSecOps practices.

#### U.S. Navy Aegis shipboard Tactical Graphics Workstations

Embedded systems, full life cycle development and manufacturing: Development of firmware for embedded multiprocessor based digital television generator. Systems engineering and integrated product development team lead.

**SUCCESS!** Full life cycle development and successful delivery of systems to Navy. Includes deployment and integration at naval shipyards.

### CERTIFICATIONS





## CYBERSECURITY

**End to End Enterprise Solutions Inc.** are credentialed professionals with expertise in IT and cybersecurity, providing innovative and affordable IT solutions. We work to understand your mission and structure and then we develop customized solutions including written policies and procedures or identify gaps in your existing policies to ensure compliance with applicable standards.

### TEAM CERTIFICATIONS



Singularity-IT™



Certified Ethical Hacker



FedRAMP



CISA Certified Information Systems Auditor  
An ISACA Certification



Certified Information Systems Security Professional

### CAPABILITIES & SERVICES

#### CISO ADVISORY SERVICES

Your risk is minimized or eliminated with our policy strategies; astute and agile governance and comprehensive cybersecurity frame-working.

#### CYBERSECURITY AUDITS/ ASSESSMENTS

We cover each point of vulnerability and potential means of access with our detailed analysis of policies, network vulnerabilities, and physical access to crucial network infrastructure.

#### VULNERABILITY MANAGEMENT

Implementation of a continuous strategy to help improve your ability to identify and mitigate vulnerabilities.

#### PENETRATION TESTING

Our tests (white, gray, or black) use the latest tools and techniques to demonstrate how a skilled attacker would gain unauthorized access and compromise PSAPs. Penetration

#### INCIDENT RESPONSE

Superior incident readiness, response services, and related network infrastructure, coupled with recovery and protection of essential data and access points following security incidents.

#### SIEM AND EVENT CORRELATION

Development of information security continuous monitoring plans and policies, implementation of tools and sensors around the network.

#### MANAGED EDR

We use AI/ML, to perform threat hunting to detect malicious activity within and across the cyber kill chain, we also provide real time visibility into your endpoint security postures and 24/7 Security Operations Center (SOC) support.

#### MANAGED SECURITY BUNDLE

- CISO Advisory Services
- Vulnerability Management
- Penetration Testing
- Incident Response
- SIEM and Event Correlation
- Manage EDR
- Intrusion Detection System (IDS)
- Intrusion Prevention System (IPS)
- Policy Development

### SOME OF OUR CLIENTS





# END TO END

ENTERPRISE SOLUTIONS

# SERVICES AND SOLUTIONS YOU CAN TRUST

## AI/ML

- Applied Artificial Intelligence
- Test Driven Software Development
- Autonomous Operations Software
- Machine Learning / Decision Tree Analysis

## CYBERSECURITY

- Risk Management Framework (RMF) Services
- Security Operations Center Services
- Risk Assessment Services

## SERVICES

### ADVANCED TECHNOLOGY

- R&D – AI & ML research to Cyber Research
- BPI for Defense, Biomedical and autonomous vehicles
- Emerging Tech – Blockchain, AR, SD-WAN, AI or Cloud-based apps (SaaS, PaaS, IaaS)

### APPLICATION DEVELOPMENT

- System Design & Development
- Enterprise Architecture
- Software Engineering
- Secure DevOps

### ARTIFICIAL INTELLIGENCE (AI) AND MACHINE LEARNING (ML)

- Model-based Engineering & Rapid Prototyping
- Intelligent & Autonomous Systems
- Digital Twin & Prognostic Health Systems
- Crisis Management Decision Support

### CYBERSECURITY

- Managed Security Services
- Security Risk Management
- DevSecOps
- Security Engineering

Providing engineering development and support for the reasoning software applications of the 21st century. Assuring reliable, timely, and cost-effective delivery of mission critical systems for all clientele.

**E3S' INDIVIDUAL CERTIFICATION**  
AI SME status with NASA and JAIC

