



Dual-Use Technology

Six Commercial Products from SBIRs
Cybersecurity, AI/ML, 5G, RF, Supply Chain
Risk, Security Automation, Digital Twins



Flagship TRL9 Product

ObjectSecurity OT.AI Platform

Operational Technology (OT) /
Industrial Control System (ICS) Asset
Firmware Image Binary Vulnerability
Analysis And Reporting

About Us

Since 2000, ObjectSecurity has earned the reputation of being a leader in applied Artificial Intelligence (AI), Machine Learning (ML), Operational Technology (OT), Industrial Control Systems (ICS), and 5G technologies. We work as a Think Tank of Subject Matter Experts to address impactful projects trusted to us by the government, defense agencies, and enterprises to proactively protect our world from the uninvited.

Our Purpose

ObjectSecurity LLC is a leader in solving complex, evolving defense and industrial cybersecurity and supply chain risk challenges that threaten national security and production downtime.

Our novel research and development are applied to commercial solutions proactively addressing the core source of cyber vulnerabilities and risk – software code, artificial intelligence, and data.



10 U.S. Patents, 10+ Pending



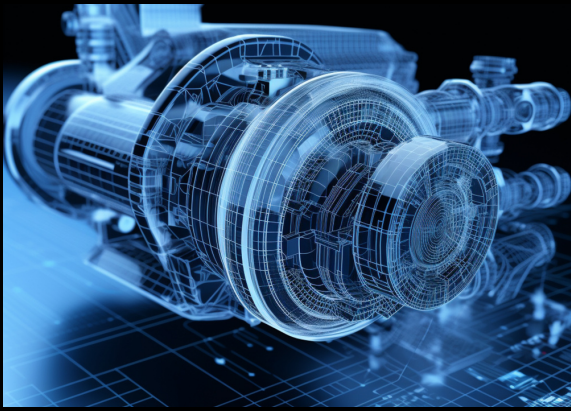
100+ Published Papers, Dr. Lang







Prime Relationships with
Lockheed Martin, Raytheon,
KPMG Federal, Federated
Wireless, IACI, and more.



**Object
Security**
Secure technology



CONTACT INFO

-  +1 (650) 515-3391
-  salesinquiry@objectsecurity.com
-  www.objectsecurity.com
-  815 E Street, Box #12070
San Diego, CA 92101
USA

DUNS Number: 828934914
NAICS: 511210, 541511, 611420, 541519
CAGE: 6WY05
ENTITY: SAM-Registered Small Business



R&D and 21 SBIRs

Air Force:

- AFNWC AI/ML Supply Chain Risk Analysis, AFRL Trust in AI/ML, AFWERX OpenPMF Military Feasibility, Phase I Sub to RTI: Proximity-based Access Control, AFWERX Microelectronics Provenance Challenge

Navy:

- 5G Cybersecurity, Trusted Sensor Integration STTR (CBM+ AI/ML), Supply Chain Risk Analysis Management Solution, ONR Red Team in a Box for Embedded & Non-IP Devices, Phase I Sub. RTI: OpenPMF <=> RTI DDS, NRL OpenPMF for SINS Middleware

DARPA:

- Advanced Automated Binary Analysis

Army:

- Modeling and Simulation, Phase II Sub. to RTI: OpenICE Security: Medical IoT, Legacy ERP Modernization

DTRA:

- No-Code, Low-Code Software Composition Analysis

DHS:

- Binary Software Composition Analysis

MDA:

- Simulated Intelligent Cybersecurity Red Team

NIST:

- Access Control Policy Testing

Other U.S. Government R&D

FAA security/safety R&D • European R&D •EU FP5 COACH: secure telecom middleware •EU FP6 AD4: ATC simulation/training system •EU FP6 SWIM-SUIT: ATC system-wide info mgmt. •EU FP6 ICSI: secure intelligent transport system •EU FP7 VALCRI: police intelligence analysis •EU FP7 CRISIS: crisis training system

Sample Customers:

SPAWAR, General Electric, UCI Medical, Agilent, IBM, Boeing, Missile Defense Agency, Smartronics, QinetiQ, UK MOD, BAA Airports, Intel, ESG, SAP AG, Royal Bank of Scotland, HP, BMVIT, Twinsoft, Deutsche Telekom, European Space Agency (ESA), Lufthansa Systems, Eurocontrol, UL VS, Promia, RTI, Hornbach, Schoenhofer, and more. View the complete list at objectsecurity.com/rnd



Areas of Expertise

Artificial intelligence Cybersecurity, responsible AI pen-testing automation, reinforcement learning, policy prediction, AI documentation, responsible AI, adversarial ML, LLMs, NLPs.

Binary Analysis, leaders in static and dynamic analysis, incl. for OT/ICS embedded systems.

Modeling, Simulation, Digital Twins, esp. high fidelity simulation and vulnerabilities analyses of complete target systems.

5G and RF Cybersecurity secure next-generation battlefield communications, private and commercial 5G networks.

Security Policy Automation, esp. dynamic, contextual access control and logging policy automation, model-driven security, roadmaps, design, architecture, implementation, and assessment.

Fine-grained Security Access Control, including access control policy architecture, design, implantation, automation, review and assessment, attribute-based access control (ABAC), XACML, and OpenPMF.

Security Information Modeling and Ontologies, including security policy metamodeling, ontologies, privacy ontologies, incident/threat/malware ontologies, attack tree analysis ontologies, etc.

Application, Middleware, Microservice, Container Security including secure architecture, development, integration, assessment, technical support, etc.

Information Assurance Accreditation Automation using model-driven security for automated generation of supporting evidence.

Cloud Security, including security roadmap definition, architecture, assessment, security policy, and compliance automation.

Embedded Systems Security, including pen-testing, architecture, design, implementation, and development tool/methodology security.

Enterprise Information Security Policy, including standards assessment, risk analysis, controls selection and implementation architecture, Security Management System development and review.