



SOUTHWEST RESEARCH INSTITUTE



Internet of Things (IoT) Security

Securely connect your system to the Internet

Southwest Research Institute® (SwRI®) has been providing IoT security services for almost a decade. Our experts will assist you in ensuring **end-to-end system security** for your IoT product, at all stages of design, development, and production.

Product Development

Enhance your security posture by adopting **secure development methodologies** to lessen the impact of vulnerabilities or avoid them altogether. SwRI helps define practical secure system requirements, select the appropriate secure technology, and create security demonstrations to ensure a successful and secure product.

Often the tools you use to develop your products have security features, but it takes an expert to leverage them effectively. Let SwRI be a security resource and act as an extension of your development team for **security best practices** that will be long-lasting.

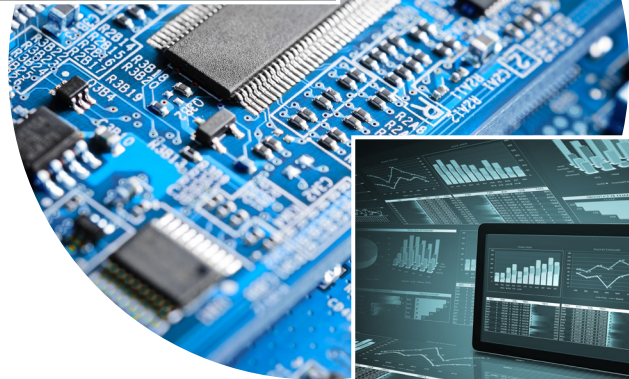
Security Verification Services

If you have an existing product, but are unsure if it is secure, or if you would like an independent second opinion, let SwRI's security experts help you. We provide **independent verification** of product security with detailed test reports for identified vulnerabilities, and work with you to create an **immediate remediation plan**. Our test reports include step-by-step test procedures to assist your engineers in verifying that security mitigations have been appropriately applied.

SwRI provides a timely and cost-effective system of security and risk management by using a proven **security methodology** that employs a risk-based approach to vulnerability and penetration testing.

IoT Technology Areas

- Bluetooth
- Bluetooth Low Energy
- Zigbee
- 802.11
- and more



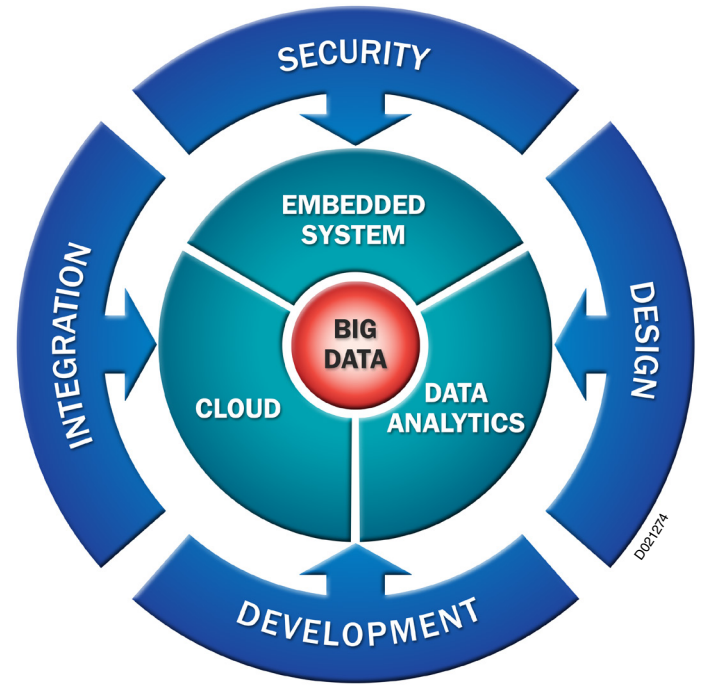
Product Design

SwRI performs **security design reviews** to help identify problems early in the development process. Our experts help guide you through selecting a **system architecture**, deciding which encryption and key management technologies are most applicable, and support your decision-making process from the wide variety of IoT platforms and technologies available.

If you are testing an IoT strategy, SwRI can help you securely **retrofit** IoT capabilities into your existing product, providing a cost-effective alternative to developing a new product.

Benefits

SwRI is an independent, unbiased, nonprofit organization founded in 1947. We conduct applied research, development, testing, and evaluation for commercial and government clients, both domestic and foreign. We have extensive laboratory and test space that allows us to provide secure facilities as well as protecting our clients' privacy and intellectual property. As part of a long-held tradition, patent rights arising from sponsored research at the Institute are often assigned to the client. SwRI generally retains the rights to Institute-funded advancements.



Contact us to learn more about how SwRI can help!

Cameron Mott
Program Manager—R&D
210.522.2583
cameron.mott@swri.org

Cyber Physical Systems Section
High Reliability Systems Department
Intelligent Systems Division

systemsecurity.swri.org



SOUTHWEST RESEARCH INSTITUTE

Southwest Research Institute® is a premier independent, nonprofit research and development organization. With eleven technical divisions, we offer multidisciplinary services leveraging advanced science and applied technologies. Since 1947, we have provided solutions for some of the world's most challenging scientific and engineering problems.

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210.522.2122

ask@swri.org



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