



Capability Sheet

Slaugh Engineering, LLC is an engineering consulting firm based in Washington State, serving private and government clients both locally and globally. Experience includes over 18 years in design, test, project planning, and project management.



Core Capabilities

Slaugh Engineering, LLC provides engineering consulting and design services in the following areas:

- **System Design**
- **System Test & Assessment**
- **Research**
- **Training**



System Design

Embedded electronic system design and integration.

Applications:

- Automation
- Security
- Data Collection
- SCADA/ICS
- Internet of Things (IoT)

Domains:

- Agricultural
- Industrial
- Government



Design services encompass the entire range of design from beginning to engineering prototype. Development of complete custom solutions, COTS only solutions, or a hybrid approach.

Electrical

- Circuit calculation and simulation
- Schematic Capture and PCB Layout
- PCB population and verification

Mechanical

- Mechanical packaging design
- 3D printing, small (PLA and ABS)
- Fabrication shop for prototype builds

Prototype

- Engineering prototypes in small quantities
- Systems integration
 - Testing
 - Calibration
 - Training



System Test & Assessment

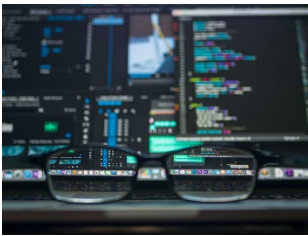
Test and Assessment to provide design reviews of entire systems. These reviews can be for manufacturability, human interface/use, integration, and concept of operation as well as in-depth technical reviews.

Vulnerability Assessments

Vulnerability assessments on embedded systems, a 'bug bounty' for embedded devices.

Penetration Testing

Red Team capabilities to conduct penetration testing on network systems including those that have embedded devices



such as SCADA/ICS implementations with engineering network control that may or may not have connections to enterprise networks.

Training

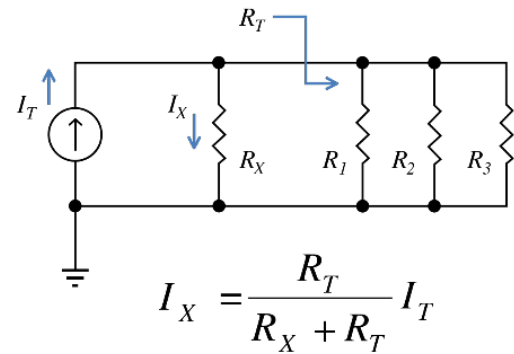
Customizable training in the following areas:

- Cyber Security Best Practices/Implementation
- Automation
- Internet of Things/Embedded Integration
- Systems Engineering Design and Integration.



Research

Working in these areas is not only a job, but a passion. In house research and development help to increase expertise and develop custom solutions.



Individual Areas of Expertise

- Embedded Systems
- Security Assessment (Network and Device)
- Project Planning & Management
- Penetration Testing
- SCADA/ICS
- Systems Engineering
- Software Engineering
- Electrical Engineering
- Training
- Internet of Things (IoT)

Contact

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