

Company Information

- Textron Systems develops, integrates, and services products while supporting civil and commercial customers worldwide. Their products offer advanced precision-guided weapons, airborne to ground-based sensors, and surveillance/protection systems for the defense and aerospace industries.
- Through the co-op program, Textron offers the opportunity to participate in mentorships, resource groups, and industry exposure.

Co-op Description

Here's what you can expect as an Engineer co-op at Textron.

Software:

- Supporting on embedded sensor systems and operator interfaces.

Electrical:

- Perform board testing and compile data to diagnose faults and their possible solutions.

Mechanical:

- Perform design and analysis effort using complex CAD and analytical software. Support assembly and evaluation of test fixtures.

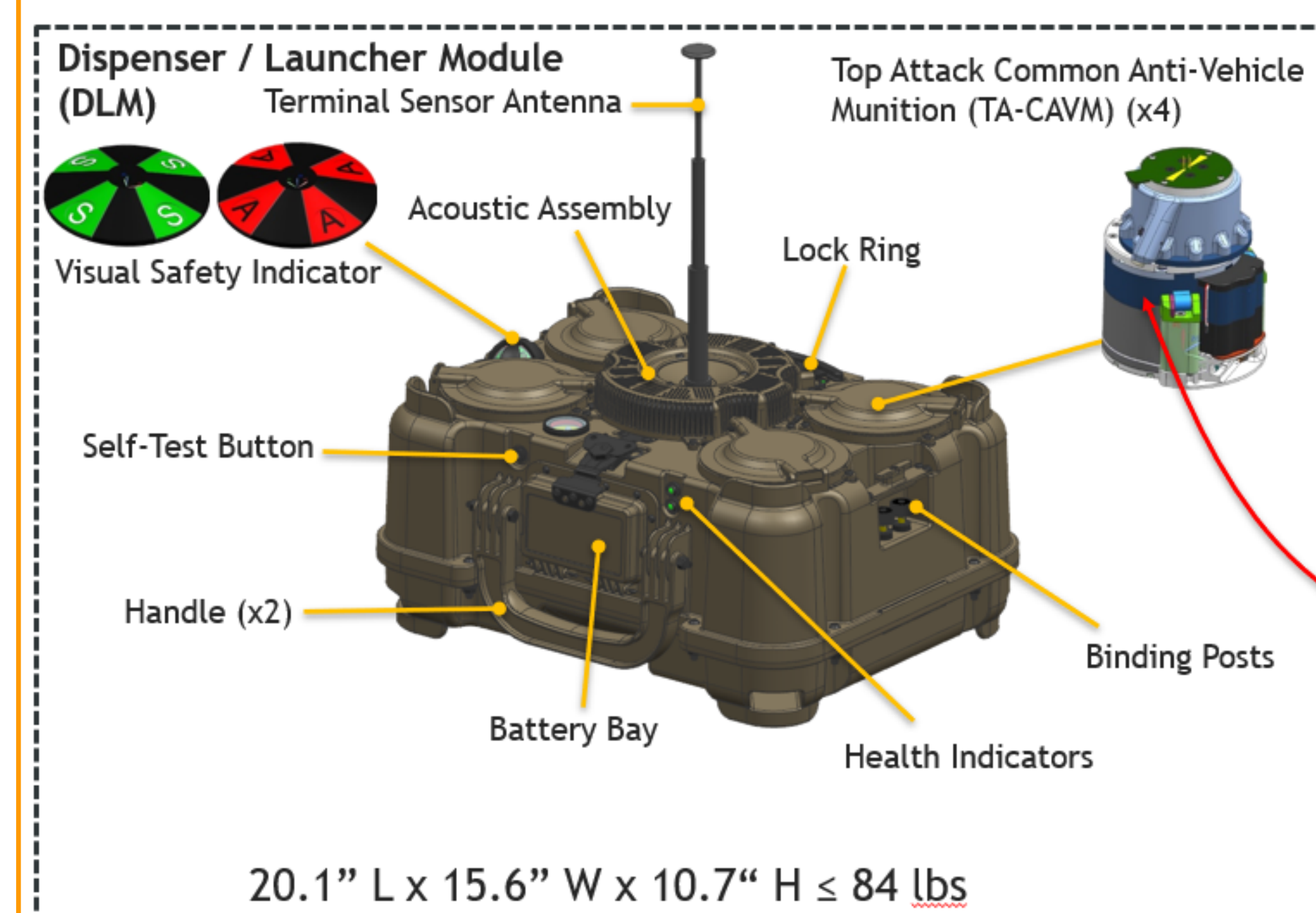
Projects

- Software enhancements to applications/scripts used on the product in various languages.
- Created hardware schematics that were built in lab and developed into part numbers.
- Tested PCBs for signals with correct values.
- Built testing racks and setups based on specifications.
- Created a 3D CAD model of radiation shield that was used for thermal analysis.
- Created Excel and PowerPoint documents to track and visualize out of tolerance errors.

General Skills

- Adapted to a professional industry setting.
- Gained experience with various hardware design software applications.
- Learned new coding languages
- Familiarity with automated testing equipment.
- Knowledgeable in writing technical documents for testing procedures and acquired data.
- Learned how to effectively network with managers and team members to complete tasks.
- Gained insight into potential career path choices.

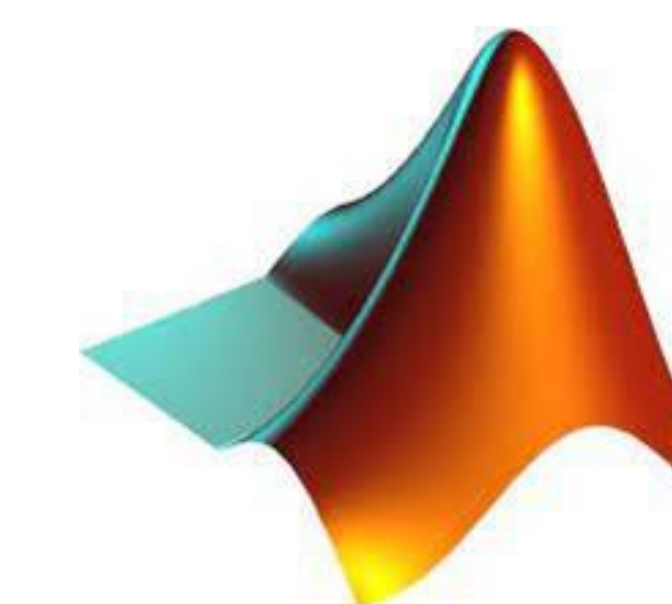
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Applications Used



Key Takeaways

- Hands-on experience in working with hardware/software.
- Worked cohesively with multi-engineers on various projects.
- Exposure to phases of a design lifecycle.

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