

Military Case Studies – Customized Power Platform & AI Training

These case studies illustrate ONLC's deep experience supporting military units with secure, mission-aligned training in Power BI, Power Automate, and emerging technologies like generative AI. Our training is tailored for both active-duty and civilian personnel and often delivered in classified or restricted-access environments.

Case Study: Power BI for Legacy Data Integration (Air Force)

Business Problem:

A unit within the U.S. Air Force faced persistent challenges extracting insights from a legacy system that produced unstructured, text-based output. Analysts were burdened with manual data prep, and the system's specialized format made automation difficult.

Custom Training Solution:

ONLC delivered a custom Power BI training engagement focused on Power Query. The course featured:

- Live demonstrations using sanitized sample files resembling Air Force outputs
- Deep dives into parsing irregular data formats and building structured models
- A collaborative final session where attendees helped shape working BI dashboards

Results:

- Enabled transformation of legacy text into usable Power BI datasets
 - Reduced manual effort and streamlined report development
 - Increased confidence in Power BI as a viable tool for mission-critical reporting
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Case Study: Power BI Enablement Across U.S. Air Force Units

Business Problem:

Multiple Air Force groups were asked to adopt Power BI for operational and logistics reporting but lacked a consistent training model. VPN limitations prevented access to cloud labs, and secure environments added logistical challenges.

Custom Training Solution:

ONLC provided remote Power BI training customized for secure military environments. Highlights included:

- Hosting sessions through the client's Microsoft Teams instance
- Pre-course alignment calls to tailor labs by unit type
- Emphasis on custom M functions, Power Query transformations, and DAX modeling

Results:

- Standardized Power BI skill development across bases
- Created reusable recorded sessions owned by the client
- Accelerated platform adoption in environments with constrained access

Case Study: Workflow Optimization with Power Automate (Defense Logistics Team)

Business Problem:

A defense logistics unit had built a complex Power Automate flow using ad hoc learning. The workflow functioned only partially and was stalling further automation initiatives.

Custom Training Solution:

ONLC delivered a three-day Power Automate training focused on both fundamentals and advanced troubleshooting. On the final day, the instructor:

- Reviewed and refactored the team's actual flow in real time
- Demonstrated advanced techniques for error handling and conditionals
- Provided a reusable flow structure for future automation

Results:

- Delivered a working, optimized flow ready for deployment
 - Elevated internal automation skills beyond beginner level
 - Positioned the unit for broader Power Platform expansion
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Case Study: Generative AI Awareness Session at Navy Installation**Business Problem:**

A U.S. Navy installation sought to increase awareness of generative AI among active-duty service members and civilian personnel. Leadership wanted to prepare the workforce for future innovation while maintaining operational security and clarity around risks.

Custom Training Solution:

ONLC delivered a 2-hour live session to approximately 150 attendees in a secure on-base conference facility. The non-technical awareness program included:

- Demonstrations of generative AI capabilities (text, image, conversation)
- Overview of how LLMs function and their potential military applications
- Scenarios for use in training, logistics, and communication
- Candid discussion of ethical risks and policy considerations in defense contexts

Results:

- Raised foundational AI literacy among Navy personnel
- Opened pathways for further technical exploration and AI governance planning
- Established ONLC as a capable training partner for forward-leaning, mission-aligned education