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CAPABILITIES STATEMENT

Elevated Health Systems, LLC

*Autonomous UVC Infection
Control/Biosecurity Force Protection*

CAGE Code: 8MTE7
NAICS Codes: 541715
541330 333413 541714
334517

CORPORATE OVERVIEW

Elevated Health Systems built the patented **ESP-DLux® platform**, a family of self-running UVC systems that clean the air continuously and disinfect surfaces automatically, shutting off whenever anyone is present. Independently tested at Iowa State's BSL-3 laboratory and protected by five issued U.S. patents, it kills harmful microbes reliably, needs no chemicals or resupply and runs on very little power in the field.

CORE COMPETENCIES

Custom Autonomous UVGI Architecture: Modular UVC devices sized to fit tight, busy spaces such as aircraft cockpits, medical evacuation units, transit vehicles, and field shelters.

Dual-Mode Environmental Biosurveillance & Mitigation: Sensors that switch automatically between strong surface disinfection when a space is empty and gentle, continuous air cleaning when people are present.

Low-Logistics Sortie Generation: A lightweight, ready-to-deploy system that needs no chemical resupply, speeding aircraft turnaround in high-threat environments by removing manual washdowns.

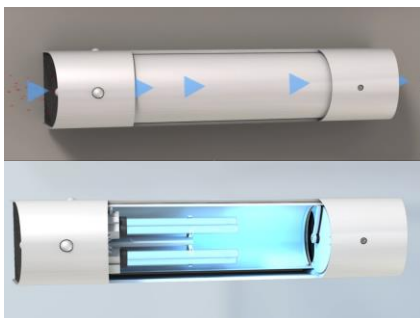
Validated Multi-Tiered Biosecurity Testing: Proven effective against live, high-risk biological threats through testing at **Iowa State University's Level 3 Biosecurity Laboratory**, eliminating 99.999% of the tested microbes.

Proven Dual-Use & Food-Safety Scaling: Also effective against agricultural and foodborne threats. Our **Listeria eradication testing** drew international attention and was selected as a **featured presentation at the 2025 World IUVA Congress in Portugal**, showing real value for defense logistics, cold-chain shipping, and humanitarian food operations.

Tactical Power Efficiencies: Uses about as much power as a laptop (under 65–90 watts). It runs on small field power sources, portable battery units, or an aircraft's onboard power supply without overloading it.

Zero-Hardware Degradation: Flexible controls ensure no corrosion or damage to aircraft electronics, structural materials, or cockpit equipment.

Can be custom designed to any configuration.



PAST PERFORMANCE & MATURITY

Technology Maturity: TRL 6 (a complete working prototype, tested in a real-world setting).

Commercial Validation: Multi-year license in place for elevator systems, with Cabworks Custom Elevators / Sanitize Technologies, Inc.

STTR Capability: Proven ability to attract high-level institutional partnerships for STTR and other federal grant submissions.

Safety Certification: ETL certification achieved

LEADERSHIP, INTELLECTUAL PROPERTY & ENGINEERING BENCH

Dr. Wladyslaw Kowalski (Principal Investigator)
The world's leading authority on UV disinfection (UVGI); author of the field's standard reference, [Ultraviolet Germicidal Irradiation Handbook](#); pioneered methods for modeling UVC designs and germicidal outcomes in all enclosed spaces.

Dr. John DuPuis (Chief Executive Officer)
Co-developed the ESP-DLux® system, oversees pathogen safety testing, and manages the company's portfolio of 5 U.S. and 29 International Patents.

Ann DuPuis (Founder & Chief Operating Officer)
Lead designer of the patented ESP-DLux® automatic sensing and shutter system, and a pioneer of low-maintenance UV disinfection in enclosed military spaces.

Brian Weinstein (CEO Chapco) Manufacturing partner, Build-to-print manufacturing for defense, (www.chapcoinc.com).

