WRITTEN STATEMENT FOR THE RECORD

United States Senate Committee on Small Business and Entrepreneurship

Hearing — "250 Years of Main Street: Retail to Research"

June 17, 2026

Submitted by: *PerceptView* (Boise, Idaho)

Chair Ernst, Ranking Member Markey, and distinguished members of the Committee:

Thank you for the opportunity to submit this written statement for the record in connection with the Committee's hearing titled "250 Years of Main Street: Retail to Research". As America reflects on two and a half centuries of innovation, entrepreneurship, and economic opportunity, small businesses remain the foundational bedrock of our country's strength and global leadership.

Headquartered in Boise (Idaho), *PerceptView* represents the modern face of Main Street manufacturing: highly technical, agile, deeply committed to national security, and entirely dedicated to maintaining a robust domestic supply chain. Our specialized small business focuses on research, development, software, and hardware engineering for advanced, long-range electro-optical/infrared (EO/IR) surveillance tracking and Counter-Small Unmanned Aircraft Systems (C-sUAS) technologies. In the spirit of America 250, our story reflects a timeless American tradition: a nimble, innovative firm identifying critical vulnerabilities, building an expert localized team, and iterating practical defense solutions faster and more efficiently than traditional defense contractors burdened by legacy overhead.

For small, capital-intensive technical manufacturers to thrive over the next century, Congress must continue to cultivate a predictable economic environment, prioritize small business agility, and intentionally invest in domestic technological innovation. This statement highlights three critical pillars necessary to sustain this momentum: the expansion of manufacturing space tax incentives, the optimization of small business investments, and the deployment of advanced small business technologies to protect U.S. critical infrastructure in direct alignment with recent congressional mandates.

Unlocking Growth through Manufacturing and Production Space Incentives

For small businesses in the advanced hardware sector, physical infrastructure represents one of the steepest financial hurdles to scaling operations. The specialized tax credits for manufacturing and production space embedded within the **One Big Beautiful Bill Authorization** act as an essential catalyst for domestic industrial growth. Much like past landmark reforms lowered corporate barriers to allow family-owned firms to expand, these targeted production space incentives drastically reduce the after-tax costs of constructing, expanding, and upgrading high-tech facilities.

PerceptView has experienced the tangible benefits of these legislative incentives firsthand. As part of our expansion strategy, we recently purchased and began redeveloping an underutilized, former commercial dry-cleaning facility in Boise. This facility contains approximately 11,000 square feet of total space, of which roughly 8,000 square feet directly qualifies as manufacturing and production space eligible for incentives established under the One Big Beautiful Bill Authorization. This facility will house hands-on manufacturing, final assembly, multi-sensor integration, testing, and long-term systems sustainment.

The practical, community-level effect of these provisions cannot be overstated. Renovating an older commercial building revitalizes underutilized properties, preserves local property values, expands regional economic activity, and brings high-paying technology jobs directly to the Main Street communities where our employees live. By offering long-term tax certainty for production facilities, Congress ensures that cutting-edge national security hardware is not just designed in America, but built on American shop floors by American workers, anchoring critical supply chains firmly within domestic borders.

Investing in the Small Business Innovation Pipeline

Recent conflicts have made clear that technological advantage now turns on speed, adaptability, and direct feedback from the field. Ukraine's success in resisting Russia's aggression has demonstrated that rapid innovation—especially in drones, sensors, electronic warfare, and counter-unmanned aircraft systems—is no longer a secondary battlefield advantage; it is central to operational survival. Solutions are being designed, tested, modified, and redeployed in compressed cycles measured in days or weeks, not years. That model should inform how the United States invests in its own small business innovation base.

American small businesses are uniquely suited for this kind of agility. Specialized firms can move quickly from concept to prototype, work directly with operators, and adapt hardware and software as threats evolve. The C-UAS mission is a perfect example. Ukrainian forces and innovators have shown how quickly inexpensive aerial threats can change, and how urgently defenders must respond with layered detection, tracking, identification, and defeat capabilities. The current Middle East conflict environment reinforces the same lesson: C-UAS capabilities have again come to the forefront as low-cost drones, one-way attack systems, and swarming tactics impose asymmetric pressure on military forces, critical infrastructure, and civilian populations.

> **To stay ahead of today's rapidly evolving threats, *PerceptView* urges Congress to prioritize direct investment in small business R&D and deployable-now defense capabilities that:**
>
> - Accelerate transition of small business technologies from prototype to operational deployment, particularly where urgent mission demand is validated by real-world conflict;
> - Support rapidly adaptable C-UAS capabilities, including in-motion drone detection for mobile forces, infrastructure protection, and event security;
> - Invest in affordable, fieldable defeat-enabling technologies, such as low-cost laser designation for C-UAS engagements, that improve the cost-exchange ratio against inexpensive unmanned threats.

Protecting U.S. Critical Infrastructure via Small Business C-UAS Technology

The rapid proliferation of inexpensive, commercially available small, unmanned aircraft systems (sUAS) has created immense economic utility, but has concurrently introduced a highly complex, asymmetrical threat vector to the homeland. Unauthorized or malicious drone operations present severe security, safety, and operational challenges across a diverse array of domestic targets, including commercial airports, national laboratories, energy facilities, military installations, and highly populated outdoor sports or entertainment venues. Because these environments vary drastically, a rigid, one-size-fits-all defensive posture is fundamentally insufficient.

The threat landscape moves too quickly for traditional, bureaucratic acquisition timelines. Agile small businesses are uniquely structured to meet this challenge due to their inherent innovation, flexibility, and tight feedback loops with end users. *PerceptView* has answered this call by developing mission-tested, American-made solutions, such as the EX SUADS Expeditionary Counter-UAS System and the TSN Shield360 multi-sensor fusion platform. These advanced systems integrate active radars, electro-optical/infrared (EO/IR) tracking, and automated cueing analytics to deliver a comprehensive common operating picture, allowing operators to seamlessly detect, track, identify, and defeat unauthorized aerial threats in cluttered urban areas and open terrain alike.

This mission-set has taken on heightened significance following the passage of the **Safe Skies Act of 2026**. This critical legislation represents a groundbreaking shift in domestic airspace defense, comprehensively expanding counter-UAS detection and mitigation authorities to state, local, territorial, and tribal law enforcement agencies, as well as federal and state correctional facilities. By authorizing the cross-deputization of local law enforcement officers and unlocking hundreds of millions of dollars in federal grant funding—including critical security allocations for host cities managing massive public events—the Safe Skies Act of 2026 establishes an unprecedented, interagency framework to intercept and neutralize illicit drone operations.

However, the execution of this expanded authority relies entirely on the availability of reliable, secure, and rapidly adaptable tracking and interdiction hardware. To prevent the United States from becoming purely reactive in this fast-moving domain, sustained congressional support for small business R&D in C-sUAS technology is essential. Agile small firms, unburdened by legacy overhead, can iterate software patches and hardware configurations at the speed of the threat. This ensures that cross-deputized local officers, airport authorities, and correctional administrators are equipped with the precise, legally compliant electronics suites necessary to execute their duties under the Safe Skies Act of 2026, protecting public safety and maintaining domestic technological superiority.

Conclusion and Invitation

The narrative of the American experiment is inextricably linked to the story of its builders, makers, and independent innovators. As we commemorate America 250, supporting the small manufacturers on Main Street is not merely an economic priority—it is an absolute national security imperative. The next chapter of American technological leadership will be written in communities like Boise, where dedicated small teams turn pressing national challenges into practical, resilient capabilities.

To see these cutting-edge capabilities firsthand, *PerceptView* extends a warm invitation to the members of this Committee and their staff to visit our facilities in Idaho. Boise proudly experiences a river & trail system throughout the city, picturesque foothills, and four beautiful seasons…all providing a spectacular, practical backdrop to witness the drive of the Pacific Northwest's growing technology sector. More importantly, a site visit will afford the Committee a live, comprehensive demonstration of our C-sUAS capabilities in a realistic operational environment. We would be deeply honored to host you and demonstrate how American small businesses build the secure, domestic systems that seamlessly fly, detect, track, identify, and safely defeat small unmanned aerial systems to protect our nation's critical infrastructure and preserve the security of our skies.

Respectfully submitted,
PerceptView
Boise, Idaho