



# XCELL

## TRUE, HIGH-VOLUME MANUFACTURING AND ASSEMBLY AT THE EDGE



### » CONTINUOUS IMPROVEMENT / OVER-THE-AIR-UPDATES

- The pairing of Firestorm's modular unmanned aerial systems (mUAS) and xCell's print processes mean that the throughput and performance of the system continue to improve and optimize over time.
- Over-the-air updates on secure networks drive production throughput increases and allow for the manufacturing of the latest and greatest revisions of mUAS.
- Like a Tesla update enhancing the performance of their vehicles, xCell provides the ability to bring this same "future-proof" value to the warfighter.

### » PRODUCTION MANUFACTURING VERSUS PROTOTYPING

- xCell is a semi-automated, advanced production manufacturing system with production, assembly, and quality workflows matching those at fixed facilities. All edge production is NOT the same; Firestorm's process is based on known, high-throughput, and industrial-grade processes, not hobby-grade vaporware.

### » MOBILITY AND CONNECTIVITY

- xCell systems can be transported by any vehicle capable of carrying 8'6" tall by 20' long shipping containers.
- Secure, remote connectivity allows for part and build updates to be sent from HQ and engagement with experts, no matter where the xCell systems are located.

### » REPLENISHMENT / LOCAL SUPPLY CHAINS

- ISU90 packaging of feedstock material allows for 1-2 months of manufacturing to rapidly sustain, replenish, and reconstitute capability.
- Using ubiquitous feedstock materials and common COTS components means local and regional supply chains can be used. Firestorm mUAS are ideally suited for various components.

### » ENGINEERING SERVICES

- Warfighter reach back to remote engineering resources at HQ for customization requests, issue resolution, or operational feedback.

» All-weather construction and environmental control: Internal 4-ton HVAC (heating / cooling) included for each module

» Production of 50 - 150 mUAS / month (dependent on mUAS SKU)

» Process and Assembly Module gross weight: <24,000 lbs

» Additive Manufacturing Module gross weight: <24,000 lbs

» MIL-STD power for each module: 3PH 120V / 208V, 60Hz, 200A

Firestorm's xCell enables our mUAS airframes to be manufactured at the edge with the same production workflow used stateside, providing strategic, tactical, and practical advantages to the Warfighter and offering a solution to Joint Logistics in a contested environment. xCells can be integrated into any environment where adequate facilities and utilities are present, even powered by generators in remote / austere locations. This offers the command structure options for distributed

manufacturing of critical assets. xCells can be stationed to hide in plain sight, offering a deterrent that keeps enemies anxiously guessing. Firestorm aims to democratize the air through our new category of mUAS. xCell builds upon that mission allowing for immense elastic production scalability on a global level with common components. xCells can be pre-stocked with the ability to produce systems for weeks on end without replenishment.

**CONTACT US**

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