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Modular Rapidly Deployable  
UAV Ground Support  
Platforms: Strategic  
Implications of UK SDR 2025



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# EXECUTIVE SUMMARY

The UK's 2025 Strategic Defence Review (SDR) has fundamentally transformed the operational requirements for UAV ground support infrastructure, particularly for large-scale coordinated operations involving multiple aircraft types.

With procurement timelines compressed to as little as 3 months and the adoption of multi-domain operations, there is an urgent need for modular, rapidly deployable ground support platforms that can enable both single-platform and large-scale UAV operations in any environment, from austere forward operating bases to established military installations.

This whitepaper examines the critical role of modular UAV ground support platforms in meeting the SDR 2025 requirements, focusing on rapidly deployable landing, take-off, and operational support infrastructure capable of supporting everything from tactical platforms like the MQ-9 Reaper and Watchkeeper to large-scale coordinated operations involving multiple aircraft types simultaneously. As the MoD seeks to deploy uncrewed systems at scale and speed, the supporting ground infrastructure must be equally agile, modular, and rapidly deployable.



As defence forces worldwide seek greater operational flexibility, the principles demonstrated by platforms like Stadia XHD will become increasingly relevant across all military aircraft types, from small tactical UAVs to large transport aircraft and everything in between.

The emergence of advanced solutions like Stadia XHD represents the evolution of UAV ground support technology, offering the modularity and rapid deployment capabilities essential for both individual aircraft operations and large-scale coordinated missions established by the SDR 2025.



## 1. Introduction: The Infrastructure Challenge

The UK's Strategic Defence Review 2025 has placed uncrewed systems at the centre of future military capability, but the success of these systems - whether operating individually or in large-scale coordinated swarms, depends critically on supporting ground infrastructure. Traditional fixed airfield infrastructure is inadequate for the dynamic, multi-domain operations envisioned by the SDR, particularly when supporting simultaneous operations of multiple aircraft types.

The challenge is clear: UAV operations must be supported by ground platforms that can be rapidly deployed, quickly reconfigured for different aircraft types, and operated in austere environments with minimal preparation time. This requirement spans across all domains - land, sea, and air, and must support operations ranging from single-platform missions to large-scale coordinated operations involving dozens of aircraft across multiple types, including tactical platforms like the General Atomics MQ-9 Reaper, Thales Watchkeeper, and emerging loitering munitions systems.

The infrastructure gap represents a critical vulnerability in the UK's UAV capability development. Without rapidly deployable ground support platforms capable of supporting large-scale operations, even the most advanced UAV systems cannot achieve their operational potential in coordinated multi-platform missions.

## 2. SDR 2025: Ground Support Infrastructure Requirements

### 2.1 Rapid Deployment Imperatives

The SDR's emphasis on compressed timelines creates unprecedented demands for ground support infrastructure supporting both individual and large-scale operations:

**3-Month Procurement Cycles:** Ground support platforms must be available off-the-shelf with minimal customisation requirements for any operational scale.

**Hours-to-Operational:** Complete platform deployment from transport to operational status must be achievable in hours, not days, regardless of whether supporting single aircraft or large-scale coordinated operations.

**Minimal Ground Preparation:** Platforms must operate on unprepared surfaces with minimal site preparation requirements, even when configured for large-scale operations.

**Austere Environment Operations:** Systems must function effectively in challenging environments including desert, arctic, and maritime conditions while supporting multiple aircraft types simultaneously.

### 2.2 Multi-Domain Operations

The Integrated Force model demands ground support platforms that can support large-scale operations across domains:

**Support Multiple Aircraft Types Simultaneously:** Platforms must accommodate different UAV configurations including MQ-9 Reaper, Watchkeeper, and smaller tactical platforms within the same operational area.

**Enable Cross-Domain Operations:** Support UAV operations that span land, sea, and air domains with coordinated large-scale missions.

**Integrate with Existing Infrastructure:** Seamlessly integrate with both military and civilian airport infrastructure when required for large-scale operations.

**Provide Scalable Capacity:** Support operations ranging from single aircraft to large-scale coordinated missions involving dozens of platforms across multiple aircraft types.

## 2.3 Modular Architecture Requirements

The SDR's modular design principles translate to ground support platforms requiring large-scale operational capability:

**Component Standardisation:** Common interface standards that enable rapid reconfiguration and component replacement for different operational scales.

**Scalable Configurations:** Ability to rapidly scale platform size and capability from individual aircraft support to large-scale coordinated operations.

**Interchangeable Components:** Modular components that can be rapidly swapped for different operational requirements and aircraft types.

**Open Architecture Integration:** Compatibility with third-party systems and equipment supporting large-scale operations.

## 3. Modular UAV Ground Support Platform Architecture

### 3.1 Core Platform Components

Modern modular UAV ground support platforms must integrate several critical subsystems capable of supporting large-scale operations:

**Landing and Take-Off Surfaces:** Modular surface panels that can be rapidly assembled into multiple runways, helipads, or multi-use surfaces capable of supporting simultaneous operations of different aircraft types including MQ-9 Reaper (requiring 1,219m runway), Watchkeeper (requiring 800m runway), and smaller tactical platforms.

**Structural Framework:** Lightweight, high-strength framework systems that provide the structural foundation for modular surface panels capable of supporting large-scale operations and can be rapidly assembled without specialised equipment.

**Ground Support Equipment Integration:** Standardised mounting and connection points for ground support equipment including fuel systems, electrical power, and maintenance equipment capable of supporting multiple aircraft simultaneously.

**Environmental Protection:** Modular shelters and protective systems that can shield both aircraft and ground support equipment from environmental conditions during large-scale operations.

## 3.2 Rapid Assembly Systems for Large-Scale Operations

The ability to rapidly deploy ground support platforms for large-scale operations depends on:

**Tool-Free Assembly:** Connection systems that enable rapid assembly of extensive platform configurations without specialised tools or equipment.

**Standardised Components:** Modular components that can be combined in multiple configurations to support various operational scales without custom fabrication.

**Minimal Personnel Requirements:** Assembly procedures that can be completed by small teams even when deploying large-scale platform configurations.

**Quality Assurance:** Built-in quality assurance features that ensure platform integrity across large-scale deployments without extensive testing procedures.

## 3.3 Multi-Surface Capability for Various Aircraft Types

Modular platforms must support operations on diverse surfaces for different aircraft types:

**Unprepared Ground:** Capability to operate platforms like MQ-9 Reaper and Watchkeeper on natural surfaces including grass, sand, and rocky terrain.

**Existing Infrastructure:** Integration with existing runway and helipad infrastructure for large-scale operations.

**Maritime Operations:** Specialised configurations for ship-based and coastal operations supporting various aircraft types.

**Urban Environments:** Configurations suitable for operations in urban and built-up areas supporting smaller tactical platforms.

# 4. Mission-Specific Platform Requirements

## 4.1 Intelligence, Surveillance, and Reconnaissance (ISR)

Large-scale ISR operations require ground support platforms optimised for:

**Extended Operations:** Platforms that can support long-duration missions with multiple aircraft types including MQ-9 Reaper for long-endurance missions and Watchkeeper for tactical surveillance.

**Covert Deployment:** Low-profile platforms that minimise operational signatures during large-scale coordinated surveillance operations.

**Rapid Relocation:** Ability to quickly disassemble and redeploy extensive platform configurations to new locations.

**Communications Integration:** Built-in communications infrastructure to support ISR data transmission from multiple aircraft simultaneously.

## 4.2 Strike Operations

Large-scale strike mission platforms require:

**Weapons Loading:** Specialised equipment and safety systems for weapons loading and handling across multiple aircraft types including MQ-9 Reaper configurations.

**Rapid Turnaround:** Platforms optimised for rapid aircraft turnaround and re-engagement during coordinated strike operations.

**Blast Protection:** Protective systems that can withstand nearby explosions and combat damage during large-scale operations.

**Security Features:** Enhanced security systems to protect high-value strike platforms during coordinated operations.

### 4.3 Logistics and Transport

Large-scale logistics operations demand:

**Heavy Load Capacity:** Platforms capable of supporting larger UAVs and heavy cargo operations across multiple aircraft types.

**Cargo Handling:** Integrated cargo handling equipment and systems for coordinated logistics operations.

**Maintenance Support:** Comprehensive maintenance facilities and equipment integration for multiple aircraft types.

**Supply Chain Integration:** Systems that integrate with existing military supply chains for large-scale operations.

## 5. Technology Integration and Innovation

### 5.1 Advanced Materials for Large-Scale Operations

Modern ground support platforms leverage advanced materials for extensive deployments:

**Lightweight Composites:** High-strength, lightweight materials that reduce transport weight and increase portability for large-scale platform configurations.

**Corrosion Resistant:** Materials that can withstand harsh environmental conditions without degradation during extended large-scale operations.

**Impact Resistant:** Materials that can withstand aircraft operations and environmental hazards across multiple aircraft types.

**Sustainable Materials:** Environmentally friendly materials that reduce environmental impact during large-scale operations.

### 5.2 Smart Platform Technologies for Coordinated Operations

Integration of smart technologies enhances platform capabilities for large-scale operations:

**Automated Assembly:** Robotic and automated systems that can assist in platform assembly and reconfiguration for extensive deployments.

**Condition Monitoring:** Sensors and monitoring systems that track platform condition and performance across large-scale operations.

**Predictive Maintenance:** AI-powered systems that predict maintenance requirements and optimise platform availability during coordinated operations.

**Remote Monitoring:** Capability to monitor platform status and performance remotely across multiple operational sites.

### 5.3 Stadia XHD: The Perfect Solution for Large-Scale Operations

The Stadia XHD represents the next generation of modular, rapidly deployable UAV ground support platforms specifically designed to support both individual aircraft and large-scale coordinated operations. This innovative solution addresses the critical requirements established by the SDR 2025:

**Rapid Deployment:** The Stadia XHD can be deployed from transport to operational status in under 2 hours, meeting the SDR's compressed timeline requirements for both individual and large-scale operations.

**Modular Architecture:** The platform features a fully modular design that can be rapidly reconfigured for different UAV types and mission requirements, from individual MQ-9 Reaper operations to large-scale coordinated missions involving multiple aircraft types.

**Multi-Surface Capability:** Operates effectively on unprepared surfaces while providing the precision and reliability required for advanced UAV operations across all aircraft types.

**Scalable Configuration:** Can be rapidly scaled from single-aircraft operations to large-scale coordinated missions involving dozens of platforms without platform replacement.

**Environmental Resilience:** Designed to operate in the full range of environmental conditions encountered in multi-domain operations, supporting large-scale deployments.

**Aircraft Type Flexibility:** Specifically designed to support various aircraft types including MQ-9 Reaper, Watchkeeper, and emerging tactical platforms within the same operational configuration.

## 6. Large-Scale UAV Operations: Specific Requirements

### 6.1 Coordinated Multi-Platform Operations

Large-scale UAV operations require specialised ground support considerations:

**Simultaneous Launch and Recovery:** Platforms must support simultaneous launch and recovery operations for multiple aircraft types including MQ-9 Reaper, Watchkeeper, and tactical platforms.

**Air Traffic Management:** Integrated air traffic management systems that coordinate multiple aircraft operations from the same ground support platform.

**Fuel Distribution Systems:** Centralised fuel distribution systems capable of supporting multiple aircraft types with different fuel requirements.



**Maintenance Coordination:** Coordinated maintenance scheduling and resource allocation for multiple aircraft types.

## 6.2 Swarm Operations Support

Emerging swarm operations require specialised ground support:

**High-Density Operations:** Platforms capable of supporting high-density aircraft operations with minimal ground footprint.

**Automated Systems:** Automated ground support systems that can manage multiple aircraft without proportional increases in personnel.

**Coordination Technologies:** Advanced coordination technologies that enable seamless integration of multiple aircraft types.

**Scalable Architecture:** Platform architecture that can rapidly scale to support varying swarm sizes and compositions.

## 6.3 Mixed Fleet Operations

Support for mixed aircraft types requires:

**Universal Compatibility:** Ground support systems that can accommodate different aircraft types including MQ-9 Reaper, Watchkeeper, and emerging platforms.

**Flexible Configuration:** Rapidly reconfigurable platforms that can adjust to different aircraft operational requirements.

**Standardised Interfaces:** Common interfaces that enable efficient support of multiple aircraft types.

**Optimised Logistics:** Logistics systems optimised for mixed fleet operations and varying aircraft requirements.

# 7. Specific Aircraft Type Considerations

## 7.1 MQ-9 Reaper Support Requirements

The MQ-9 Reaper presents specific ground support requirements:

**Runway Requirements:** 1,219m runway length requirement necessitating extended modular platform configurations.

**Payload Handling:** Specialised ground support equipment for Hellfire missiles and other payloads.

**Maintenance Access:** Platform configurations that provide optimal maintenance access for the MQ-9's configuration.

**Fuel Capacity:** Ground support systems capable of supporting the MQ-9's fuel requirements and extended operations.



## 7.2 Watchkeeper Support Requirements

Thales Watchkeeper requires tailored ground support:

**Runway Configuration:** 800m runway requirement enabling more compact platform configurations.

**Sensor Integration:** Ground support systems that integrate with Watchkeeper's sensor systems.

**Rapid Deployment:** Platform configurations optimised for Watchkeeper's rapid deployment capabilities.

**Tactical Flexibility:** Ground support systems that match Watchkeeper's tactical flexibility and responsiveness.

## 7.3 Emerging Platform Support

Future aircraft types require adaptable ground support:

**Modular Adaptability:** Platform systems that can adapt to emerging aircraft types and requirements.

**Technology Integration:** Ground support systems that can integrate with advancing aircraft technologies.

**Scalable Capacity:** Platforms that can accommodate varying aircraft sizes and operational requirements.

**Future-Proofing:** Design architectures that anticipate future aircraft development and requirements.

## 8. Operational Deployment Strategies

### 8.1 Forward Operating Base Support

Modular platforms enable rapid establishment of forward operating bases supporting large-scale operations:

**Rapid Site Selection:** Platforms that can operate on diverse terrain types reduce site selection constraints for large-scale operations.

**Minimal Infrastructure:** Reduced dependence on fixed infrastructure enables large-scale operations in denied or austere environments.

**Scalable Operations:** Ability to rapidly scale operations from individual aircraft to large-scale coordinated missions based on mission requirements and threat levels.

**Survivability:** Distributed, modular platforms improve survivability compared to fixed installations during large-scale operations.

### 8.2 Expeditionary Operations

Large-scale expeditionary operations require platforms that can:

**Deploy with Minimal Footprint:** Compact platforms that can be transported via standard military transport aircraft while supporting large-scale operations.

**Operate Independently:** Self-contained systems that can operate without external infrastructure support during extended large-scale operations.

**Integrate with Local Resources:** Ability to integrate with available local infrastructure and resources for large-scale operations.

**Support Rapid Withdrawal:** Platforms that can be rapidly disassembled and evacuated if required, even during large-scale operations.

### 8.3 Homeland Defence

Homeland defence operations benefit from modular platforms supporting large-scale operations:

**Support Distributed Operations:** Enable UAV operations from multiple locations to improve coverage and survivability during large-scale coordinated missions.

**Integrate with Civil Infrastructure:** Seamlessly integrate with civilian airports and infrastructure when required for large-scale operations.

**Provide Surge Capacity:** Rapidly scale operations in response to emerging threats or requirements, supporting large-scale coordinated responses.

**Support Emergency Response:** Provide platform capability for emergency response and disaster relief operations requiring large-scale UAV deployment.

## 9. Logistics and Supply Chain Considerations

### 9.1 Transport and Mobility for Large-Scale Operations

Modular platforms supporting large-scale operations must address transport challenges:

**Standard Transport Compatibility:** Platform components must fit within standard military transport aircraft while enabling large-scale operational capability.

**Road Mobility:** Ability to transport platform components via standard military vehicles and trailers for large-scale deployments.

**Maritime Transport:** Compatibility with naval transport systems and amphibious operations supporting large-scale operations.

**Helicopter Transport:** Capability for helicopter transport of platform components when required for large-scale operations.

### 9.2 Maintenance and Support for Multiple Aircraft Types

Effective maintenance and support for large-scale operations requires:

**Component Standardisation:** Common components that reduce spare parts inventory and training requirements across multiple aircraft types.

**Field Maintenance:** Maintenance procedures that can be performed in field conditions with standard tools during large-scale operations.

**Modular Replacement:** Ability to replace defective components without platform replacement during ongoing large-scale operations.

**Remote Diagnostics:** Diagnostic systems that can identify maintenance requirements remotely across multiple aircraft types.

### 9.3 Supply Chain Integration for Large-Scale Operations

Integration with existing supply chains for large-scale operations requires:

**NATO Compatibility:** Compliance with NATO supply chain standards and procedures for large-scale operations.

**Commercial Integration:** Ability to leverage commercial supply chains when appropriate for large-scale operations.

**Local Sourcing:** Capability to source components and materials from local suppliers when required for extended large-scale operations.

**Inventory Management:** Systems that optimise inventory levels and reduce logistics footprint during large-scale operations.

## 10. Training and Doctrine Development

### 10.1 Personnel Training for Large-Scale Operations

Modular platforms supporting large-scale operations require enhanced training approaches:

**Rapid Deployment Training:** Training programs that enable personnel to rapidly deploy and operate platforms for large-scale operations.

**Multi-Platform Competency:** Training that covers multiple platform configurations and capabilities for various aircraft types.

**Maintenance Training:** Specialised training for field maintenance and troubleshooting during large-scale operations.

**Safety Training:** Comprehensive safety training for platform operations in diverse environments during large-scale operations.

### 10.2 Doctrine Evolution for Large-Scale Operations

Military doctrine must evolve to incorporate modular platforms supporting large-scale operations:

**Rapid Response Doctrine:** Operational doctrine that leverages rapid platform deployment for tactical advantage in large-scale operations.

**Distributed Operations:** Doctrine that maximises the benefits of distributed, modular platform operations supporting large-scale missions.

**Multi-Domain Integration:** Doctrine that integrates modular platforms across land, sea, and air domains for large-scale operations.

**Adaptive Operations:** Doctrine that enables rapid adaptation to changing operational requirements during large-scale operations.

### 10.3 Simulation and Training Systems

Advanced training systems for large-scale operations are required:

**Virtual Reality Training:** VR systems that enable realistic training for large-scale operations without physical platforms.

**Augmented Reality Support:** AR systems that provide real-time guidance during large-scale platform operations.

**Simulator Integration:** Integration with existing UAV training simulators and systems for large-scale operations.

**Performance Monitoring:** Systems that track training progress and identify areas for improvement in large-scale operations.

## 11. International Cooperation and Standardisation

### 11.1 NATO Interoperability for Large-Scale Operations

NATO compatibility for large-scale operations requires:

**STANAG Compliance:** Adherence to NATO standardisation agreements for ground support equipment supporting large-scale operations.

**Allied Training:** Participation in multinational training exercises to validate interoperability during large-scale operations.

**Standard Procedures:** Development of common operating procedures for modular platforms supporting large-scale operations.

**Technology Sharing:** Appropriate sharing of platform technology with NATO allies for large-scale operations.

### 11.2 Export Opportunities

Modular platforms supporting large-scale operations offer significant export potential:

**Scalable Solutions:** Platforms that can be configured for different customer requirements and operational scales.

**Technology Transfer:** Opportunities for technology transfer and local manufacturing partnerships for large-scale operations.

**Training Packages:** Comprehensive training and support packages for international customers requiring large-scale operational capability.

**Lifecycle Support:** Long-term support and upgrade programs for international customers with large-scale operational requirements.

### 11.3 Standards Development

The UK has opportunities to lead in standards development for large-scale operations:

**Platform Standards:** Development of common standards for modular UAV ground support platforms supporting large-scale operations.

**Interface Standards:** Standardised interfaces for platform components and systems supporting multiple aircraft types.

**Safety Standards:** Standards for safe operation of modular platforms during large-scale operations in diverse environments.

**Environmental Standards:** Standards for environmental protection and sustainability during large-scale operations.

## 12. Risk Management and Mitigation

### 12.1 Technical Risks for Large-Scale Operations

Modular platforms supporting large-scale operations present several technical risks:

**Structural Integrity:** Risk of platform failure due to modular design complexity during large-scale operations.

**Component Compatibility:** Risk of component incompatibility leading to operational failures during large-scale operations.

**Environmental Degradation:** Risk of performance degradation in harsh environmental conditions during extended large-scale operations.

**Maintenance Complexity:** Risk of increased maintenance requirements due to modular design during large-scale operations.

### 12.2 Operational Risks

Operational risks for large-scale operations include:

**Deployment Failures:** Risk of platform deployment failures in critical situations during large-scale operations.

**Training Deficiencies:** Risk of inadequate training leading to operational failures during large-scale operations.

**Logistics Disruption:** Risk of supply chain disruptions affecting platform availability during large-scale operations.

**Interoperability Issues:** Risk of interoperability problems with existing systems during large-scale operations.

## 12.3 Strategic Risks

Strategic risks for large-scale operations encompass:

**Technological Obsolescence:** Risk of platform technology becoming obsolete during large-scale operational requirements.

**Dependency Issues:** Risk of over-dependence on specific suppliers or technologies for large-scale operations.

**Competitive Disadvantage:** Risk of falling behind international competitors in large-scale platform development.

**Investment Recovery:** Risk of insufficient return on platform development investments for large-scale operations.

## 13. Recommendations

### 13.1 Policy Recommendations

**Establish Clear Standards:** Develop clear standards for modular UAV ground support platforms that provide industry guidance and ensure interoperability for large-scale operations.

**Promote Rapid Procurement:** Implement procurement procedures that enable rapid acquisition of modular platforms within SDR timelines for large-scale operations.

**Support Innovation:** Create innovation programs that encourage development of advanced modular platform technologies for large-scale operations.

**Foster International Cooperation:** Develop international cooperation agreements that promote platform standardisation and interoperability for large-scale operations.

### 13.2 Technical Recommendations

**Prioritise Modularity:** Make modularity a primary design criterion for all ground support platform development supporting large-scale operations.

**Invest in Advanced Materials:** Prioritise investment in advanced materials that enable lightweight, durable platform construction for large-scale operations.

**Develop Smart Technologies:** Invest in smart technologies that enhance platform capabilities and reduce operational requirements for large-scale operations.

**Focus on Sustainability:** Ensure that environmental sustainability is integrated into platform design and operations for large-scale deployments.

### 13.3 Industrial Recommendations

**Accelerate Development:** Accelerate development of modular platform technologies to meet SDR requirements for large-scale operations.

**Build Strategic Partnerships:** Develop strategic partnerships that enable rapid platform development and deployment for large-scale operations.

**Invest in Manufacturing:** Invest in manufacturing capabilities that can support rapid platform production for large-scale operations.

**Develop Export Capabilities:** Build capabilities to support international platform sales and support for large-scale operations.

## 14. Conclusion

The UK's Strategic Defence Review 2025 has created an unprecedented opportunity for modular, rapidly deployable UAV ground support platforms capable of supporting both individual aircraft and large-scale coordinated operations. The emphasis on rapid deployment, multi-domain operations, and modular design principles aligns perfectly with the capabilities offered by advanced platforms like Stadia XHD and I-Trac.

Success in this new operational environment will require platforms that can be rapidly deployed, quickly reconfigured, and operated in diverse environments with minimal infrastructure support, whether supporting individual MQ-9 Reaper operations, large-scale coordinated UAV missions, or integrated operations involving rotary-wing aircraft like the Chinook and Black Hawk alongside fixed-wing platforms. The traditional approach of fixed ground infrastructure is insufficient for the dynamic, multi-domain operations envisioned by the SDR.

The key to success lies in embracing modularity, investing in advanced technologies, and developing platforms that can adapt to changing operational requirements from individual aircraft support to large-scale coordinated operations. Organisations that can provide proven, rapidly deployable ground support solutions will be well-positioned to support the UK's UAV capability development and capture international market opportunities.

The time for incremental improvement is over. The SDR 2025 demands revolutionary change in how UAV ground support is conceived, developed, and deployed, particularly for large-scale operations. Platforms like Stadia XHD represent the future of UAV ground support—modular, rapidly deployable, and perfectly aligned with the strategic requirements of modern military operations, from individual aircraft missions to large-scale coordinated campaigns involving aircraft like MQ-9 Reaper, Watchkeeper, and emerging tactical systems.

Furthermore, the modular flooring principles and technologies developed for UAV ground support platforms have significant applications across the broader spectrum of military aircraft operations. The same capabilities that make Stadia XHD ideal for UAV operations can be adapted to support rotary-wing aircraft including the Boeing CH-47 Chinook, Sikorsky UH-60 Black Hawk, AgustaWestland Apache AH-64, and fixed-wing platforms like the Lockheed Martin C-130J Super Hercules and Eurofighter Typhoon. These systems can provide temporary runway extensions, aircraft parking areas, and maintenance platforms for expeditionary air operations and distributed basing concepts.

The versatility of modular ground support platforms represents a paradigm shift not just for UAV operations, but for the entire spectrum of military aviation infrastructure. As defence forces worldwide seek greater operational flexibility, the principles demonstrated by platforms like Stadia XHD will become increasingly relevant across all military aircraft types, from small tactical UAVs to large transport aircraft and everything in between.





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