



# OPAL NG

Connected. Intelligent. Resilient.

AI-Enabled Decentralized Battle Management Network

Decentralized Battle Management for Multi-Domain Operations





# OPAL NG AI-ENABLED DECENTRALIZED BATTLE MANAGEMENT NETWORK

OPAL NG delivers seamless real-time interoperability across air, land and naval forces, connecting legacy and next-generation platforms into a unified operational framework.

Building on the proven operational heritage of OPAL, OPAL NG introduces AI-enabled edge processing, enhanced manned-unmanned teaming and resilient multi-domain collaboration for future operational environments.

Complementing existing tactical networks such as Link-16, OPAL NG enables distributed forces to operate with a synchronized real-time operational picture across coalition and national assets.



## CONNECT

### Real-Time Resilient Networking

- Decentralized self-forming & self-healing network
- Robust and jam-resistant communications
- Seamless interoperability with Link-16 and existing tactical networks
- Highly scalable architecture supporting distributed multi-domain operations



## SHARE

### Unified Multi-Domain Situational Awareness

- Real-time shared operational picture across air, land and sea
- Secure exchange of data, voice, imagery and video
- Cross-platform sensor and mission-data fusion
- Coalition-ready interoperability between legacy and future systems



## ACT

### AI-Accelerated Mission Execution

- AI-enabled edge decision support
- Faster sensor-to-shooter cycles
- Dynamic collaborative targeting and threat sharing
- Enhanced manned-unmanned teaming (MUM-T) and Collaborative Combat Aircraft (CCA) operations

## OPERATIONAL ADVANTAGES



### Increase Operational Effectiveness

- Accelerated multi-domain decision-making
- Enhanced mission coordination across distributed assets
- Optimized operational resource allocation
- Real-time collaboration between manned and unmanned systems



### Enhance Survivability & Homeland Defense

- Faster response to missile, UAV and multi-vector threats
- Resilient operation in contested electronic warfare environments
- Reduced exposure time through distributed engagement coordination
- Improved operational continuity under network disruption



### Open Architecture & Future Readiness

- Standards-based software-defined architecture
- Integration with existing datalinks, SDRs and command systems
- Flexible operational application development
- Rapid adaptation to evolving mission requirements

OPAL NG | CONNECTING PLATFORMS - ACCELERATING DECISIONS - DEFENDING WHAT MATTERS MOST

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IAI - AVIATION GROUP  
WWW.IAI.CO.IL  
AVIATION\_GROUP@IAI.CO.IL



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