



PRESS RELEASE

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For immediate release

ATDI Showcases AI-Driven Innovations for Defence Communications at DSEI Japan

Tokyo, Japan — ATDI is proud to showcase its latest AI-powered capabilities at DSEI Japan, underlining the company's commitment to advancing spectrum engineering and radio network planning for defence operations worldwide.

HTZ Warfare, ATDI's flagship software platform, continues to evolve in response to the complex and dynamic challenges faced by radiocommunications professionals. Its latest developments focus on enhanced usability, operational efficiency, and simulation accuracy—critical factors for mission assurance and network resilience in contested environments.

At the forefront of this evolution are two new AI-driven features: **Radio Signal Identification** and **AI Mask Prediction**.

Radio Signal Identification automates spectrum analysis with 99% accuracy, identifying over 20 signal types including 5G, LTE, and radar altimeters. For defence networks, this allows faster signal verification, earlier threat detection, and proactive interference management—without the delay of manual processes. It enables command centres and deployed units to maintain control of congested electromagnetic environments, particularly during high-tempo operations.

AI Mask Prediction models and forecasted interference zones in real time, based on live network data and environmental factors. This empowers operators to dynamically manage coverage, reduce signal dropouts, and adapt communications networks to shifting mission conditions—vital for ensuring continuity in multi-domain operations.

Together, these AI enhancements enable defence users to:

- Maintain defence network reliability in dynamic environments
- Reduce human error and manual analysis time
- Rapidly identify and respond to RF threats and anomalies
- Ensure spectrum coexistence and efficiency across complex deployments

As the defence sector increases its reliance on secure, reliable, and data-driven communications, ATDI remains at the forefront of technical innovation. These AI-powered features underscore the company's commitment to providing actionable, field-ready solutions for military communications planners and spectrum managers.

Visit ATDI at DSEI Japan on Stand H8-466 to explore these capabilities in action and discuss how they support your operational goals.

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About ATDI

ATDI is a global leader in radio spectrum engineering and network planning software, supporting defence, government, and national security agencies for over three decades. Our technology-neutral solutions enable the design, simulation, and optimisation of complex communications networks across all operational domains—land, sea, air, and space. Trusted by military and regulatory authorities worldwide, ATDI delivers software and services that ensure mission readiness, spectrum dominance, and resilient communications in contested and congested environments.