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Vietnam looks to Israeli agri-tech to boost productivity and climate adaptation

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High-tech collaboration focuses on AI, precision irrigation, resilient crops and digital agriculture to modernise Vietnam's farm sector

Vietnam and Israel are expanding their strategic collaboration in agricultural technology, signalling a stronger push towards climate-smart farming as both countries seek to strengthen food security, improve productivity and accelerate the adoption of advanced agricultural innovations.

A high-level agriculture connectivity forum, organised to commemorate more than three decades of diplomatic relations, brought together policymakers, researchers, technology companies and industry stakeholders to explore new opportunities in investment, technology transfer and scientific collaboration.

The discussions reflected Vietnam's broader strategy of transforming its agricultural sector from volume-driven production to a high-value, technology-enabled and sustainable growth model. Officials identified Israel's globally recognised expertise in precision agriculture, water management and agricultural innovation as a critical resource in supporting that transition.

The event highlighted growing bilateral interest in deploying next-generation technologies across farming systems, including artificial intelligence, robotics, digital agriculture and data-driven farm management tools. Participants noted that these technologies can help improve productivity while enabling producers to respond more effectively to climate variability and resource constraints.

Israeli technology providers showcased a broad portfolio of innovations ranging from smart irrigation systems and protected cultivation technologies to microbial crop solutions, improved planting materials, post-harvest management systems and digital platforms for precision agriculture. Emerging technologies in aquaculture, including recirculating production systems

and advanced marine farming solutions, also attracted significant attention.

Researchers from leading Israeli institutions presented advances in Internet of Things-enabled irrigation, water-efficient farming systems and crop improvement programmes focused on developing varieties with greater tolerance to drought, salinity and heat—traits expected to become increasingly valuable as climate change intensifies production risks worldwide.

Vietnamese representatives, meanwhile, outlined rising domestic demand for advanced agricultural technologies and called for deeper collaboration in research, capacity building, pilot projects and commercial technology deployment. Expanding technical expertise and strengthening innovation ecosystems were identified as essential to accelerating the country's agricultural modernisation agenda.

Beyond technology exchange, the forum underscored the growing role of international partnerships in addressing global food security and climate resilience. By combining Israel's innovation capabilities with Vietnam's expanding agricultural economy, both countries aim to build a more competitive, sustainable and future-ready farming sector capable of meeting evolving market and environmental challenges.