

APIJET Announces First European Trial of Digital Winglets 4D™ with Wizz Air

Wizz Air is First to Use Deconflicted Flight Optimization in Europe

SEATTLE, WA, UNITED STATES, September 23, 2026 /EINPresswire.com/ -- APIJET, the aviation software company behind Digital Winglets, today announced a trial of Digital Winglets 4D™ with

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Rob Green, CEO of APIJET.

Wizz Air (LSE: WIZZ) the first airline in Europe to use deconflicted real-time flight optimization. With its trial of Digital Winglets 4D™, Wizz Air is uniquely positioned in Europe to advance on-time performance in the congested European airspace, improve fuel efficiency and potentially reduce associated carbon emissions.

“Fuel saving measures have never been more critical and our trial of Digital Winglets 4D™ represents our ongoing commitment to innovate and optimize our fleet,” said

Diarmuid O’Conghaile, Chief Operating Officer of Wizz Air. “Digital Winglets 4D™ was easy to deploy. We already have a high degree of automated optimisation of fuel burn and are excited to learn through the trial the additional savings this new tool can generate, bearing in mind also the complexities of operating in European airspace.”

“Wizz Air has a long history of innovation, and we look forward to working with them to advance their on-time performance and fuel savings objectives,” said Rob Green, CEO of APIJET. “A trial with one of Europe’s largest carriers is a strong validation of the value of bringing real-time, deconflicted flight optimization to the region only possible with Digital Winglets 4D™.”

Advancing the Science of Flight Optimization

Digital Winglets 4D™ is the industry’s only patented, real-time, tactical flight optimization solution delivering deconflicted recommendations across four dimensions—lateral, vertical, speed, and time—without requiring hardware or software installation within the aircraft or an operational control center (OCC). Building on NASA’s Traffic-Aware Strategic Aircrew Requests (TASAR) technology and APIJET’s proprietary algorithms, the platform enables airlines to continuously optimize flight paths to reduce fuel burn, improve schedule reliability, and enhance on-time performance. Flight optimizations with Digital Winglets 4D™ receive a high air traffic control (ATC) acceptance rate due to the platform’s capability to factor the actual, real-time, traffic situation and embedded recognition of geographically unique ATC structures and procedures. Finally,

Digital Winglets 4D™ is architected for rapid deployment with no onboard hardware or software installation required.

Global Patent Validation

Digital Winglets 4D™ is the only globally patented solution providing deconflicted optimizations for lateral, vertical, speed, and time without hardware or software installation. European Patent No. EP4535333 adds to APiJET's patent portfolio following issuance of U.S. Patent No. 12,584,749 by the U.S. Patent and Trademark Office on March 24, 2026. The U.S. patent covers key technologies underlying APiJET's real-time flight route optimization, including systems and methods for deriving aircraft state data in real time without onboard equipment or hardware installation. Together, the U.S. and European patents provide additional external validation of APiJET's years of investment in science-based flight optimization and the innovation behind Digital Winglets 4D™.

More than 400 Digital Winglets 4D™ Optimized Aircraft Globally

The European trial with Wizz Air follows recent announcements with Allegiant Air (United States) and Porter (Canada) to deploy Digital Winglets 4D™ to enhance fuel efficiency, on-time performance and network reliability. More than 400 aircraft globally are using Digital Winglets 4D™ to continuously optimize flight paths to reduce fuel burn, improve schedule reliability, and enhance on-time performance.

About APiJET

Based in Seattle, WA, APiJET is an aviation software company delivering real-time, conflict-free flight optimization solutions through its Digital Winglets™ platform.

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