

PRESS RELEASE

TK Elevator launches ApronVision expanding its digital product portfolio for airports

- TK Elevator introduces ApronVision, the latest advancement in fully automated and integrated Apron Operations Systems
- ApronVision moves beyond current advanced visual docking guidance systems by enabling full automation and digitalization to the apron
- ApronVision ensures maximum safety and efficiency with highest turnaround performance, integration with bridge automation technologies and real-time data of the apron

Düsseldorf, June 14, 2022 – Airport operators rely on advanced visual docking guidance systems (A-VDGS) to guide pilots by means of visual signals from the taxiway to the stop position on the airport apron. TK Elevator takes this technology to the next level: ApronVision, a new generation of Apron Operations Systems, features a variety of different applications which extend far beyond today's A-VDGS. It enables faster turnarounds thanks to state-of-the-art object detection and measuring. Also, it optimizes processes through automated boarding bridge operations. At the same time, ApronVision guarantees precise control of all apron activities thanks to real-time data, ensuring an efficient docking and departure process.

With the introduction of ApronVision, TK Elevator expands its digital product portfolio for airports and continues to shape the future of intelligent airport operations. ApronVision features the latest 3D lidar technology for long-range and ultrahigh precision object detection and measuring. The system creates a high-resolution point cloud of the apron with up to 2.6 million data points per second and a scanning angle of up to 360°, keeping the apron operations under control in every situation. A full screen high resolution LED display shows critical automated and customized turnaround information. Thus, customers have all relevant information at hand for their decision making at any time. Especially under even more difficult conditions such as high airport capacity, the intelligent technology ensures resilient and smooth operations.

“With ApronVision, TK Elevator sets a cutting-edge standard for airport operations,” says Manuel Alvarez, CEO Airport Solutions at TK Elevator. “The intelligent technology enhances docking and departure processes and facilitates complex operations at all times. Airports benefit from the consolidation of the most critical turnaround processes and apron information in a single system. Most importantly, faster and smoother processes also improve the travel experience for passengers.”

TK Elevator is the first company that has used laser-based technology to guide planes to their parking position. Today, over 100 airports and airlines around the world boost daily operations with more than 2,500 installed A-VDGS from TK Elevator. With ApronVision, the company sets new standards for the digitalization of airports.

From June 15–17 TK Elevator presents ApronVision at the Passenger Terminal Expo in Paris (France) at booth Z3.6130.

PRESS IMAGES

can be downloaded [here](#) (Credits: TK Elevator).

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ABOUT US

TK Elevator

With customers in over 100 countries served by more than 50,000 employees, TK Elevator achieved sales of around €8 billion in the fiscal year 2020/2021. Over 1,000 locations around the world provide an extensive network that guarantees closeness to customers. Over the past decades, TK Elevator has established itself as one of the world's leading elevator companies and became independent since its separation from thyssenkrupp AG in August 2020. The company's most important business line is the service business represented by over 24,000 service technicians. The product portfolio covers commodity elevators for residential and commercial buildings to cutting-edge, highly customized solutions for state-of-the-art skyscrapers. In addition, it also consists of escalators and moving walks, passenger boarding bridges, stair and platform lifts. Integrated cloud-based service solutions, such as the MAX platform, are gaining in importance. With these digital offerings, there are no limits to urban mobility anymore. TKE – move beyond.