

September 9-10, 2025

CCH Congress Center, Hamburg, Germany

Wednesday 10th September, 2025
11:30AM – 12:15PM

Artificial Intelligence (AI): Presenting the evidence

Content Summary:

The panel discussion focused on the implementation and impact of artificial intelligence in the aviation industry.

They discussed how AI serves as a supporting tool for decision-making rather than replacing human expertise, with practical applications such as predictive maintenance to detect potential failures before they occur. Pegasus Airlines shared their success in using AI to identify recurring defects and convert unscheduled maintenance into scheduled maintenance, significantly improving on-time performance and technical dispatch reliability.

The panelists addressed key challenges to AI implementation, with data security emerging as the primary concern in an onsite polling of attendees. Other barriers included unrealistic expectations and fear of AI hallucinations. The discussion emphasized that AI should augment human decision-making by providing better information at the right time and reducing repetitive tasks, allowing skilled personnel to focus on high-value work. The panel also explored the talent shortage in aviation and how AI might help address this challenge, noting that younger generations with digital skills are increasingly interested in AI applications within aerospace engineering, potentially making the industry more attractive to new talent.