# Ready to take off

## How do you train pilots without flying?

KLM, in collaboration with Sogeti, has introduced a groundbreaking initiative in aviation training: the Virtual Cockpit. This has been developed to simulate real flight environments, enabling the pilots to train extensively without leaving the ground. The immersive experience, facilitated by VR technology, mirrors the details of an actual cockpit, allowing for training in both routine and exceptional scenarios.

Traditionally, ensuring the functionality of such complex systems required manual regression testing, which is a time-consuming process prone to human error. KLM and Sogeti, together devised an innovative approach: leveraging the Artificial Intelligence (AI) capabilities of the VR application itself to automate regression testing.

The collaboration resulted in the development of a proof-of-concept utilizing an AI agent within the VR platform to conduct regression tests swiftly and accurately. This AI-driven testing enhances accuracy, ensuring that every aspect of the digital cockpit functions seamlessly marking a significant advancement in flight training methodology.

This innovation not only enhances the quality of training but also allows for continuous learning, even amidst disruptions such as the COVID-19 pandemic.

**KLM | sogeti**
Part of *Capgemini*