





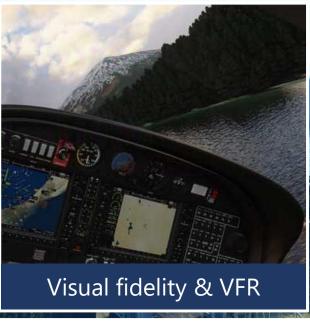
GAME STACK LIVE 2021 | MARTIAL BOSSARD, EXECUTIVE PRODUCER X AURELIEN PITERS, AUDIO DIRECTOR



#### Dream: Create the most realistic next-gen Flight Simulator









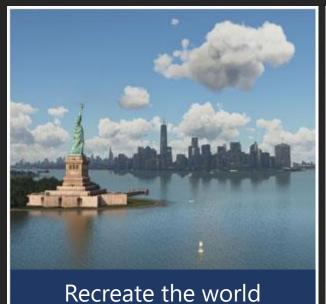




### Plan: Design a virtual world at Earth-scale



# Build: Using Azure technologies as the backbone.





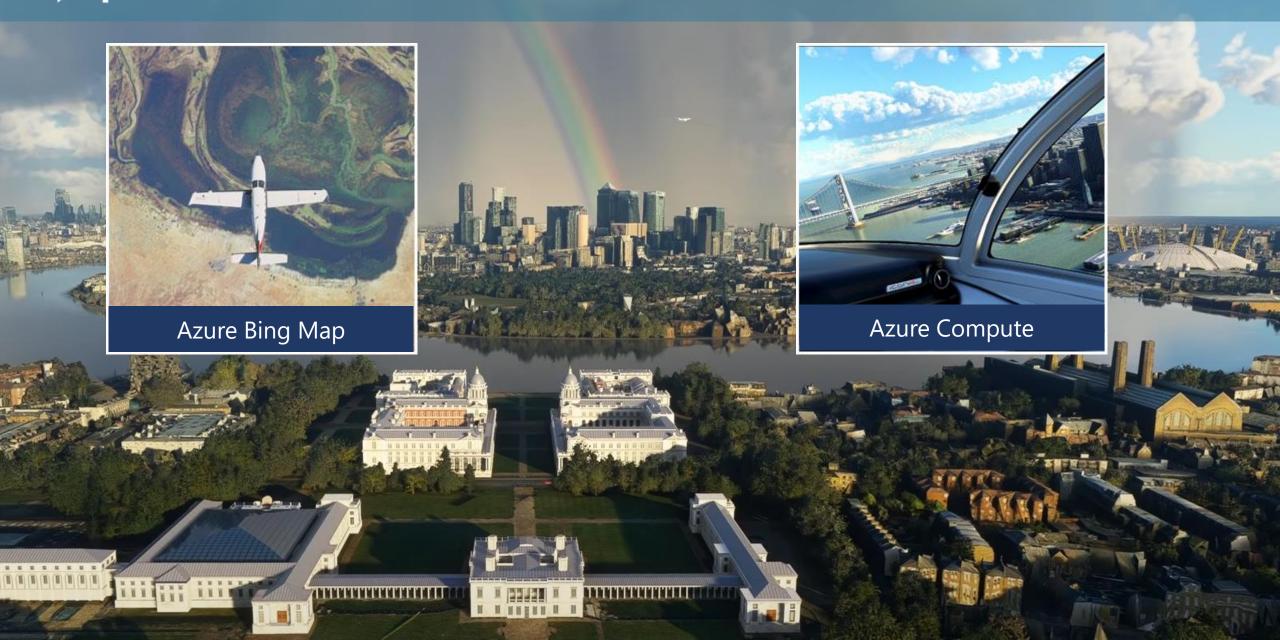




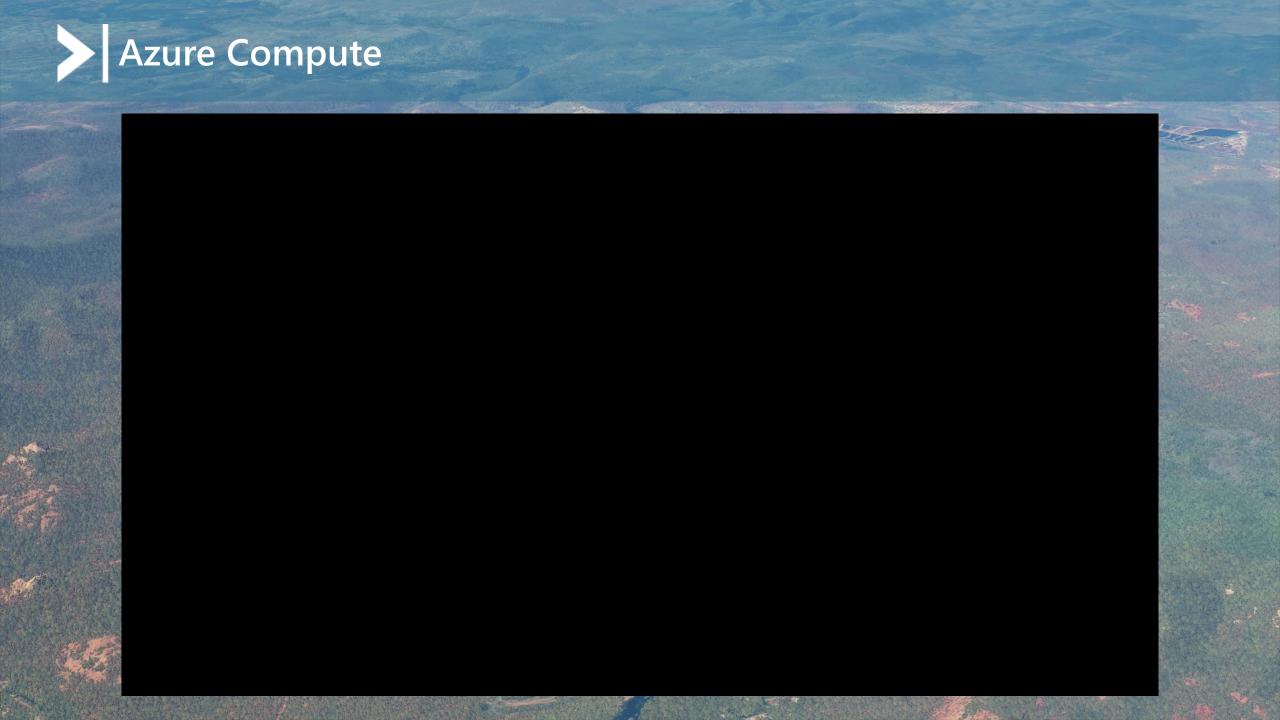


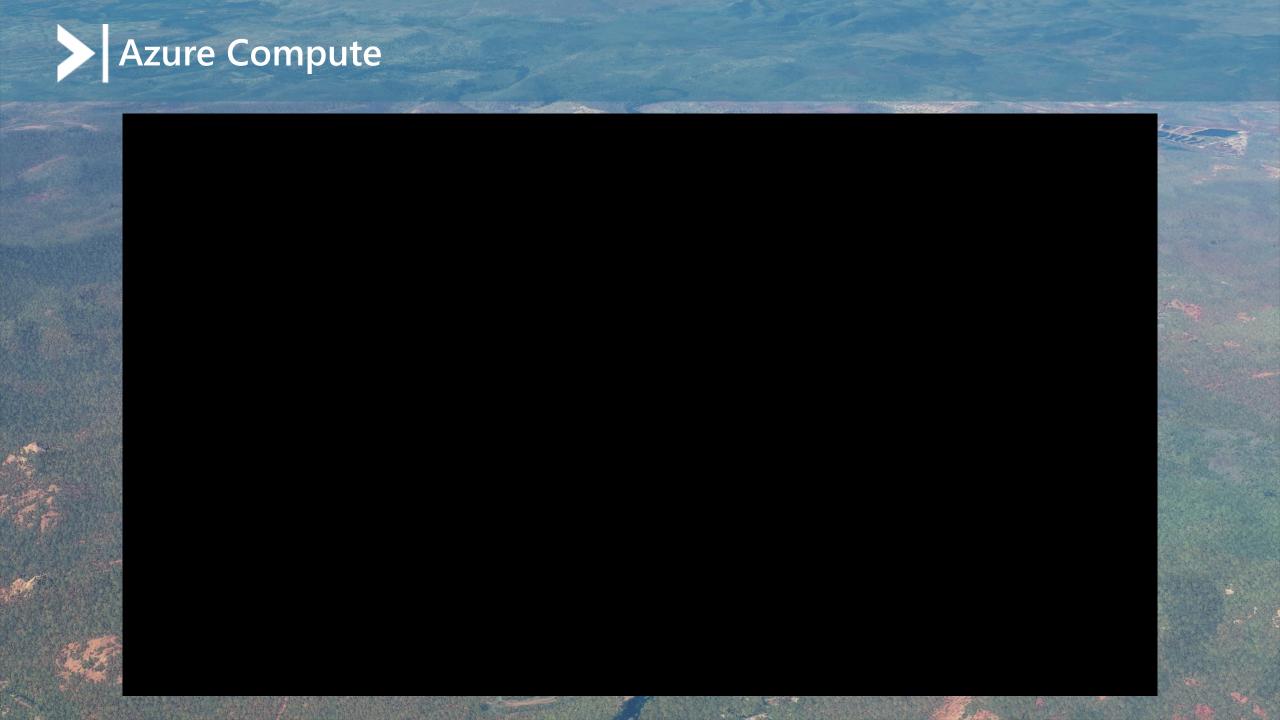


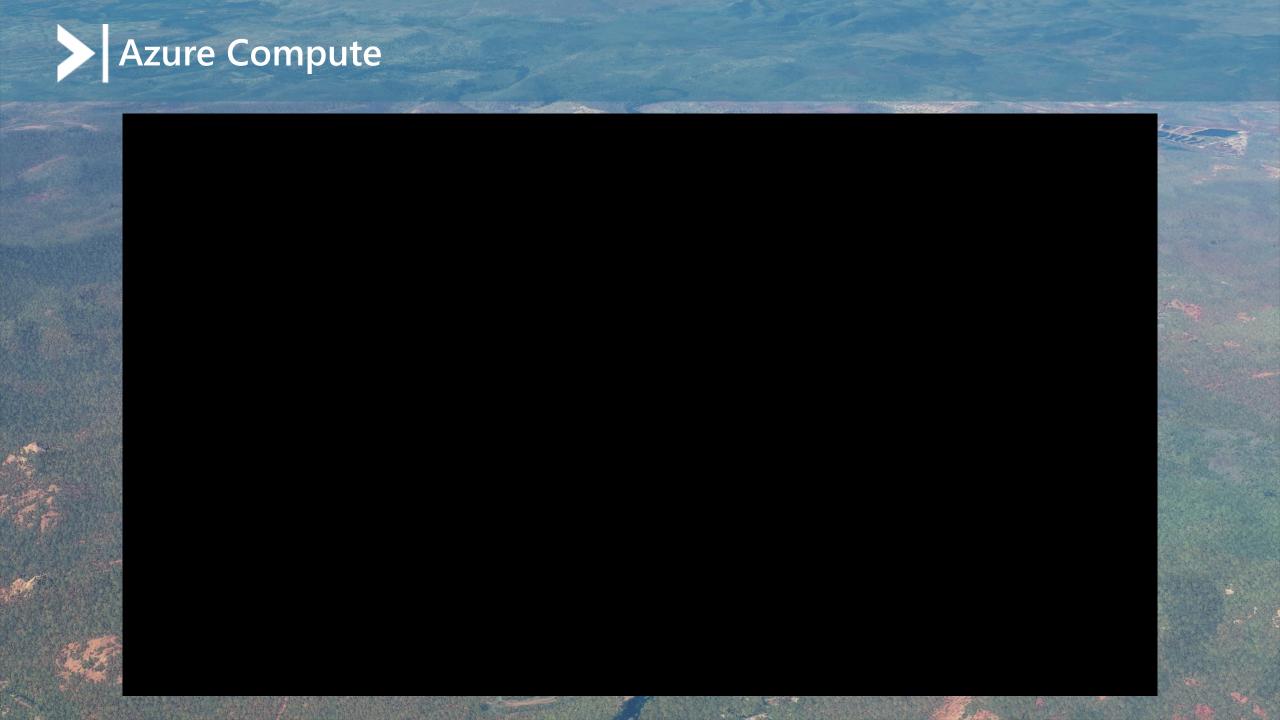
# Recreate the world

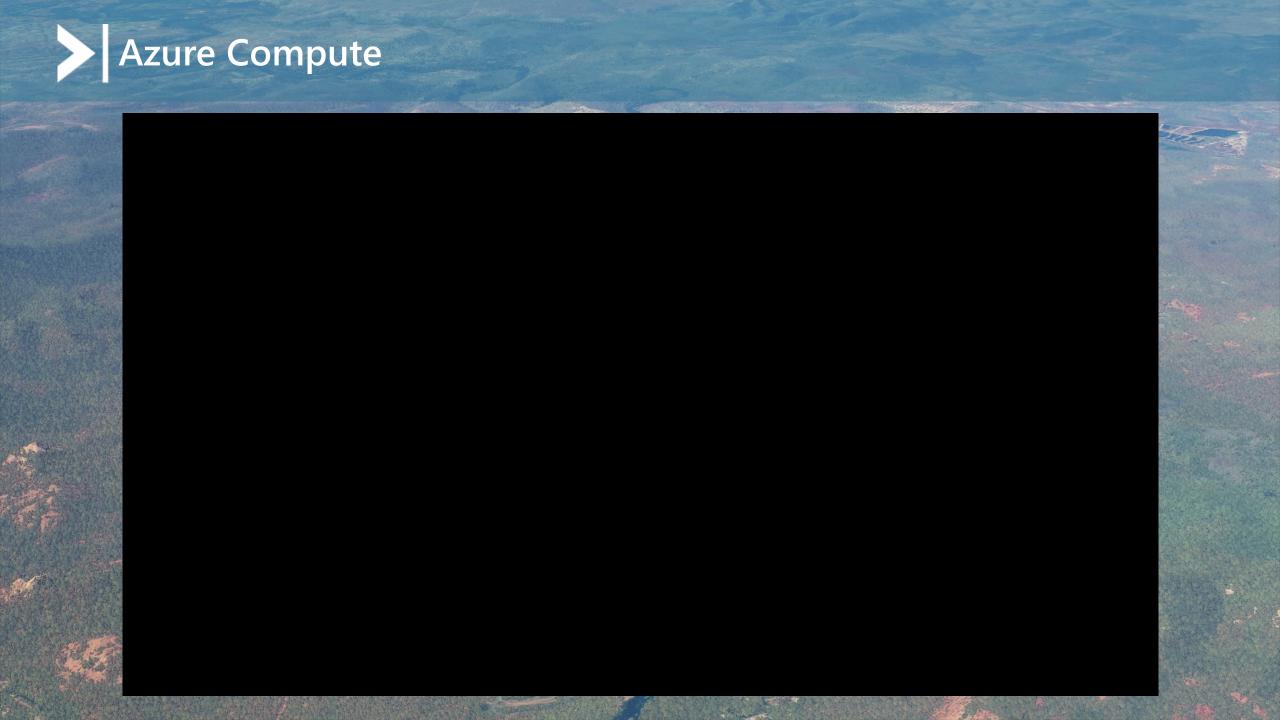


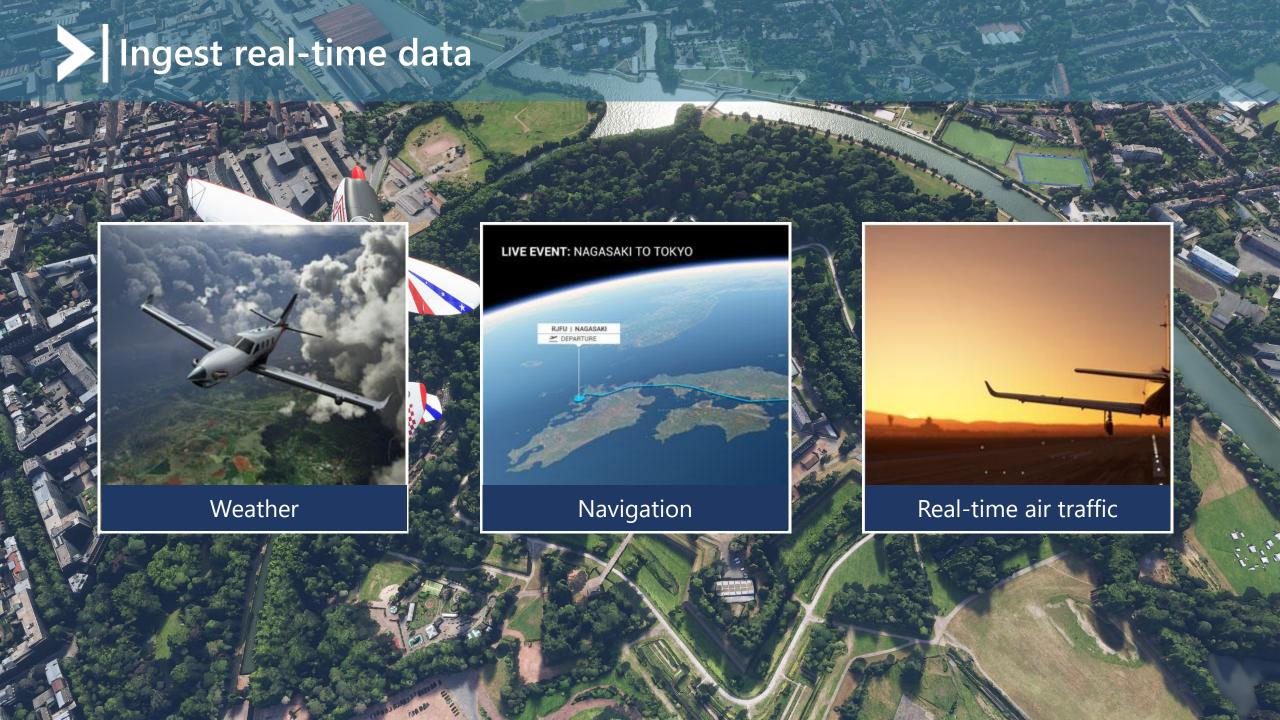












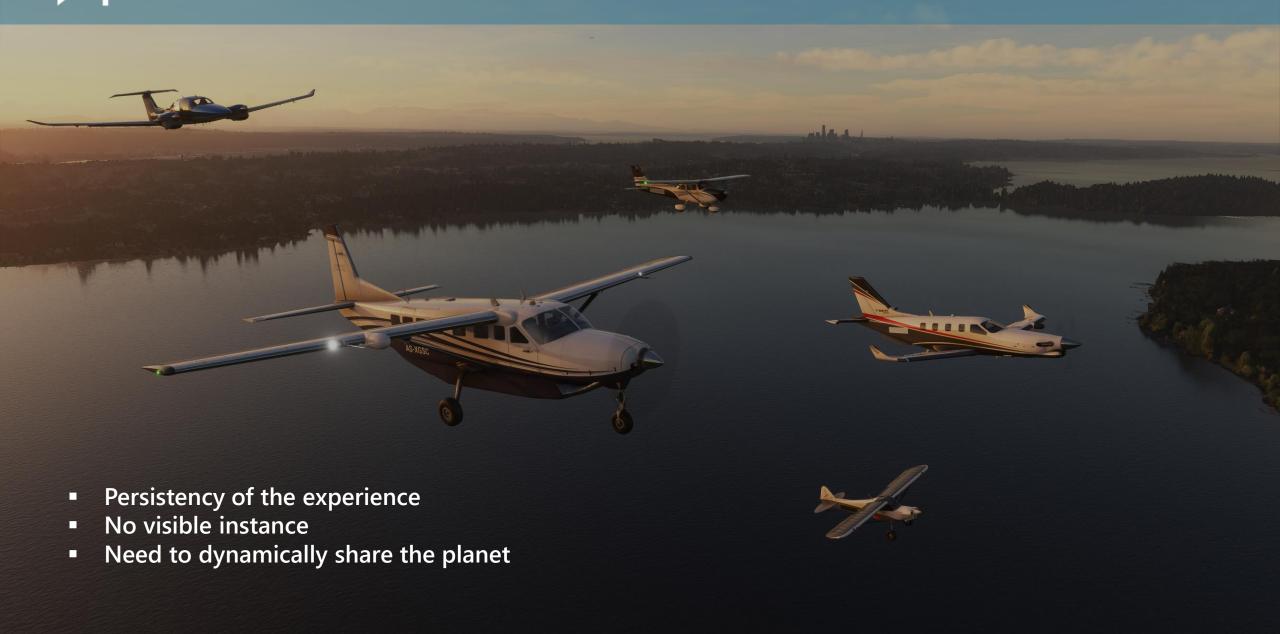
# > Scalable data distribution

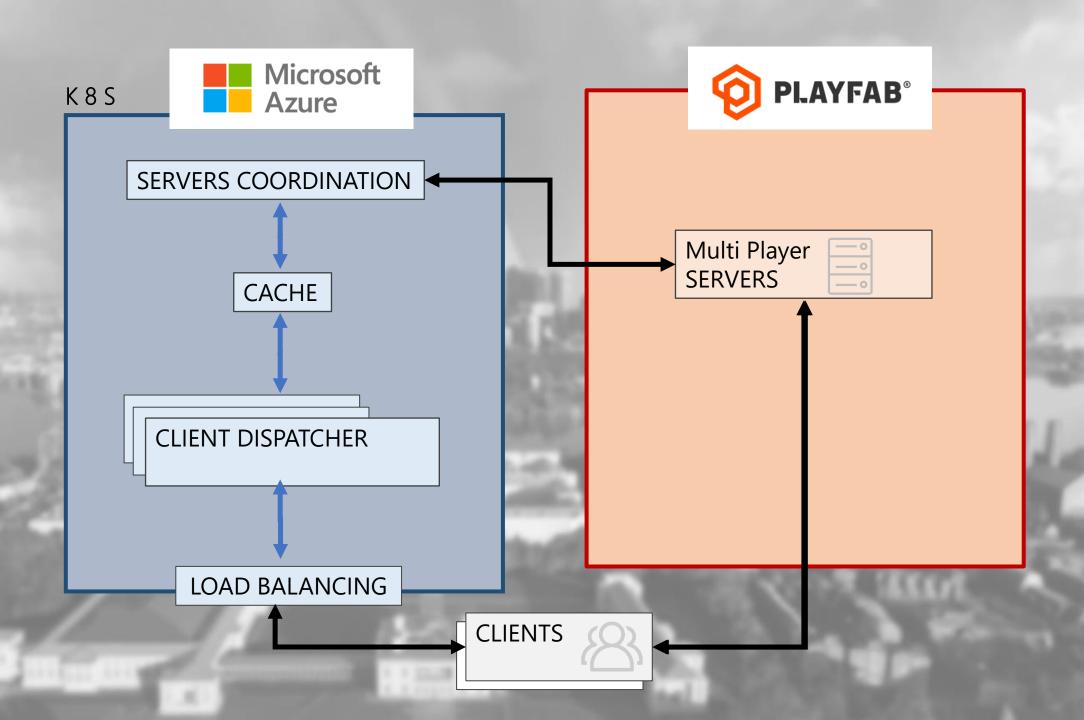






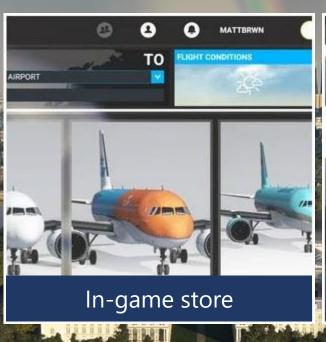
# One unified world for multiplayer











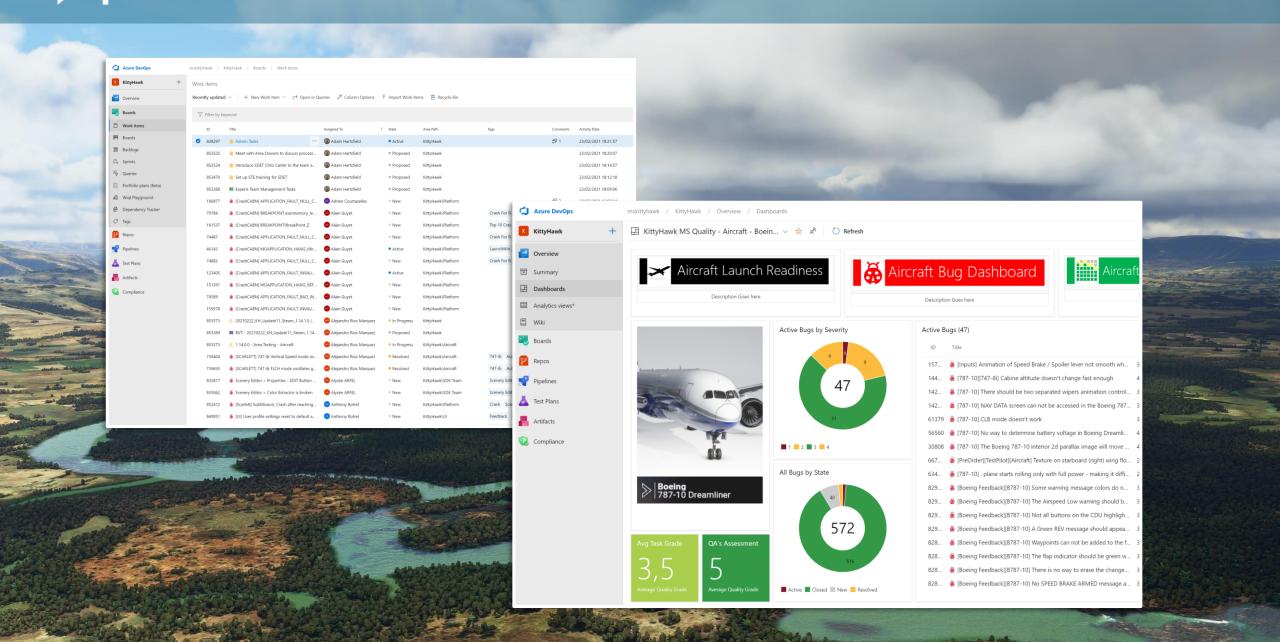








## > Project Management: Azure DevOps









### **Use case: Azure Text-to-Speech for ATC**

- ATC or Air Traffic Control
- An air traffic controller is a highly trained specialist working with pilots to ensure the safety and efficiency of the airspace
- Communication between pilots and airport control towers











## Use case: Azure Text-to-Speech for ATC





# Use case: Azure Text-to-Speech for ATC





#### Azure Text-to-Speech: costs & flavors

- Used a blend of custom & standard for MSFS
- Standard offers many speakers
- SSML is great to tweak your voice for different flavors (pitch, rate, prosody)!

Text to Speech	Standard	\$4 per 1M characters
	Neural	\$16 per 1M <u>characters</u> <sup>5</sup> Long audio creation: N/A per 1M characters
	Custom	\$6 per 1M characters Endpoint hosting: \$0.0537 per model per hour



#### Shipping with Azure TTS

- Azure Portal to monitor costs & errors
- Get in touch with Azure for subscription adjustment

