Beta Presentation
NextGen Aircraft Taxi Assistance

The Capstone Experience

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Project Overview

• Integration with NextGen Flight Deck project

• Lateral Map Display
  ▪ Interface for selecting route
  ▪ Expand display to include taxiways

• Primary Flight Display
  ▪ Intuitive guidance queues
  ▪ Warnings for nearby aircraft
System Architecture

X-Plane Process
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X-Plane Plugin

X-Plane
Flight/Terrain

Lateral Map Display
Route Information

Primary Flight Display
Route Information

Cross Functionality

Service/Infrastructure

Airport Records
Lateral Map Display
Primary Flight Display
What’s left to do?

• Lateral Map Display
  ▪ Antialiasing

• Primary Flight Display
  ▪ Guidance queues along route
  ▪ Collision avoidance warnings
  ▪ Drawing runway features