

MICHIGAN STATE
UNIVERSITY

Beta Presentation

NextGen Aircraft Taxi Assistance

The Capstone Experience

Team GE Aviation

Mitch Thelen
Jacob Walker
Jason Cepela
John Richter

Department of Computer Science and Engineering
Michigan State University

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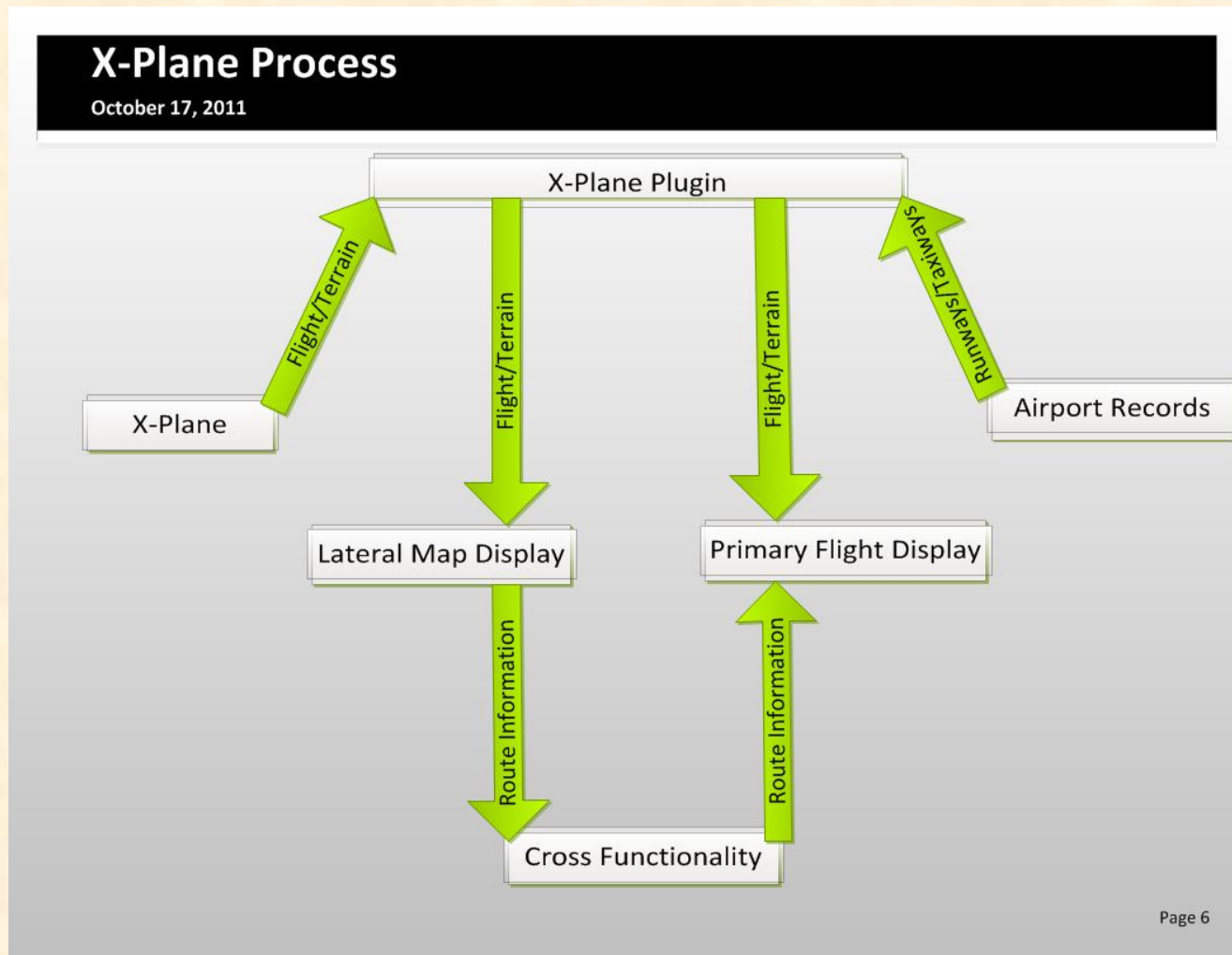
*From Students...
...to Professionals*

Project Overview

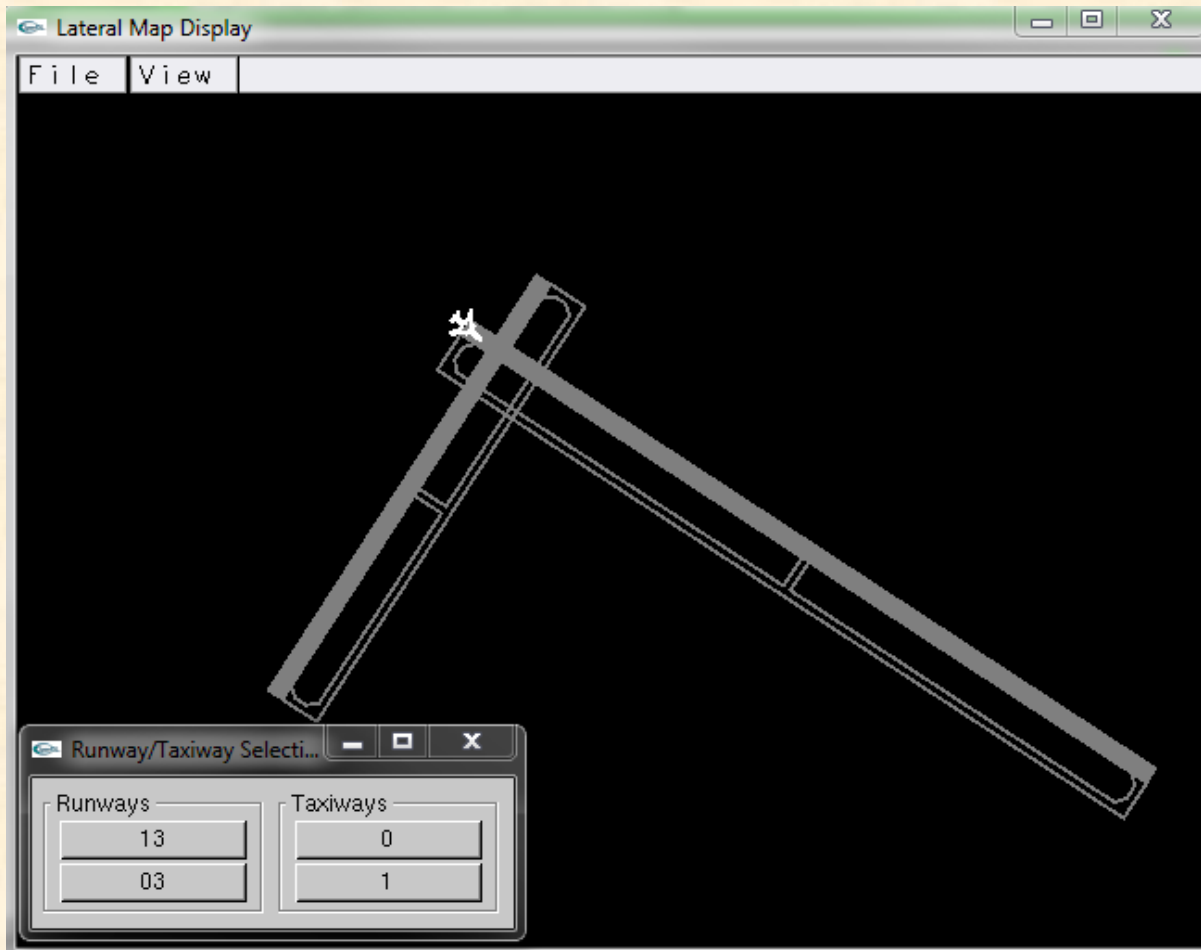
- Integration with NextGen Flight Deck project
- Lateral Map Display
 - Interface for selecting route
 - Expand display to include taxiways
- Primary Flight Display
 - Intuitive guidance queues
 - Warnings for nearby aircraft



System Architecture



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

