

**MICHIGAN STATE**  
UNIVERSITY

# Alpha Presentation

## Mobile Avionics Satellite Imagery

The Capstone Experience

Team GE Aviation

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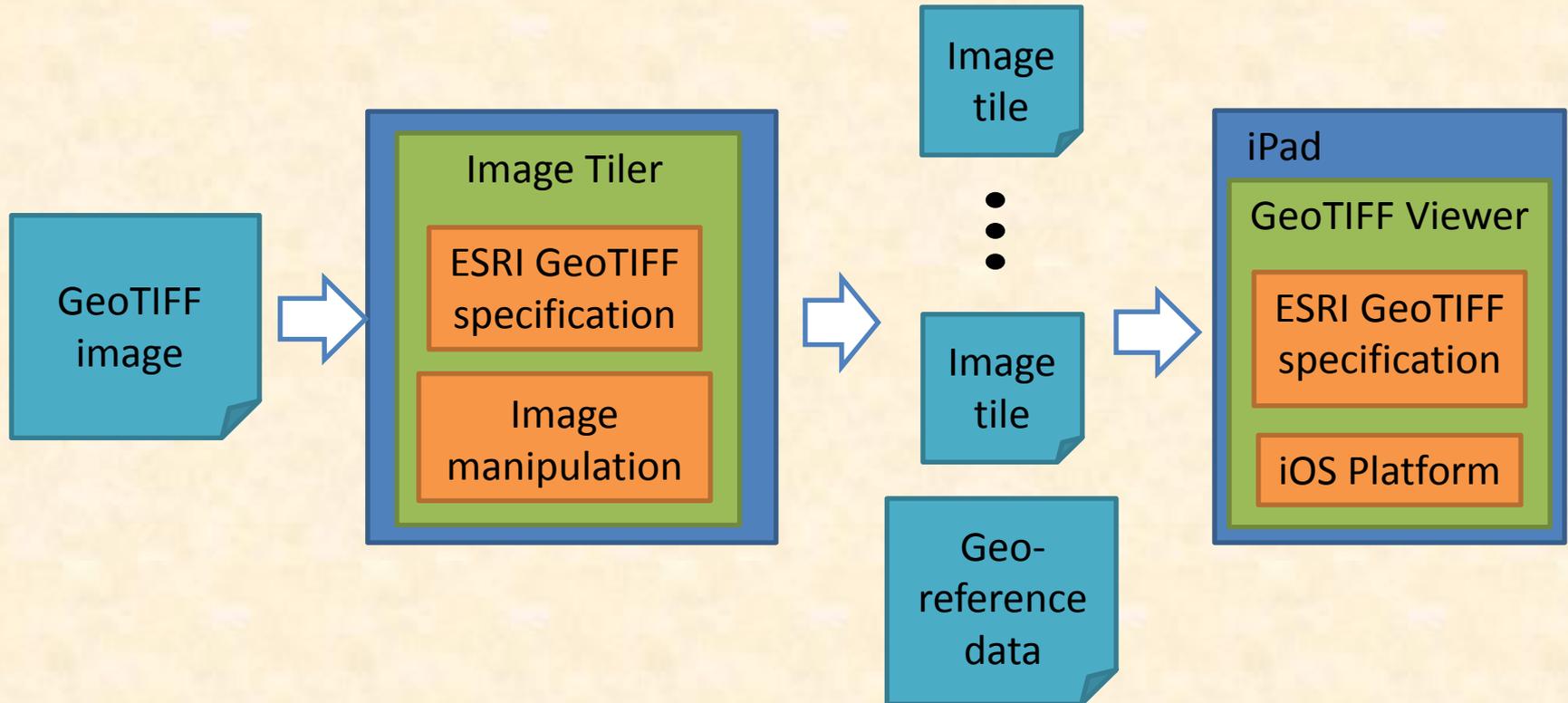
*From Students...  
...to Professionals*

# Project Overview

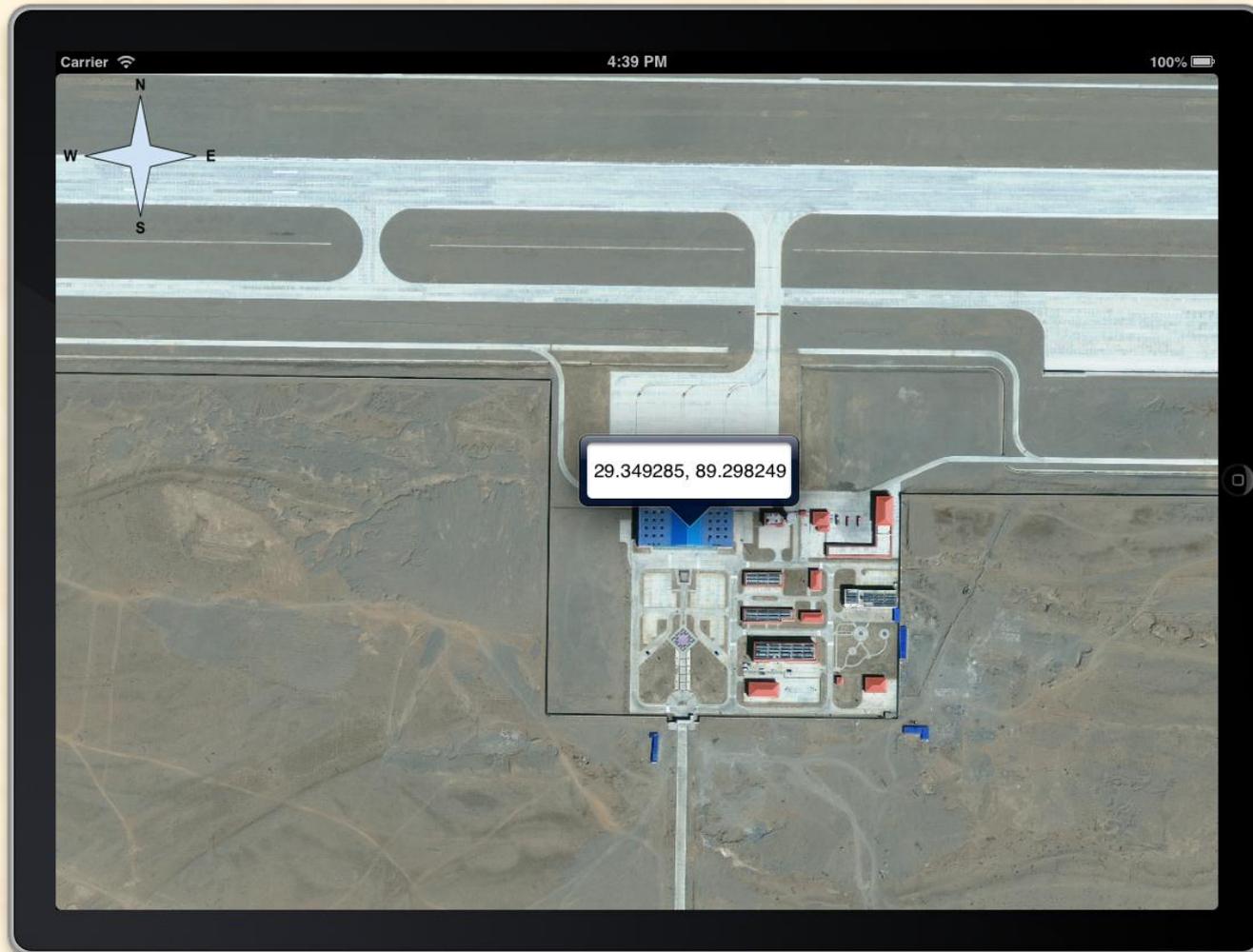
- Functionalities
  - Display ultra-high resolution satellite imagery
  - For use as a secondary source of information for pilots
  - On the Apple iPad
- Features
  - Intuitive, easy to use interface
  - Fast manipulation of images
- Technologies
  - Apple iOS SDK, C, Objective-C
  - GeoTIFF image specification



# System Architecture



# Displaying Coordinates



# Full Image



# Zoomed In



# What's left to do?

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- Provide a method for selecting displayed image
- Experiment with increasing performance
- Refine user experience

