

MICHIGAN STATE
UNIVERSITY

Alpha Presentation

MSU Next Generation Flight Deck

[The Capstone Experience](#)

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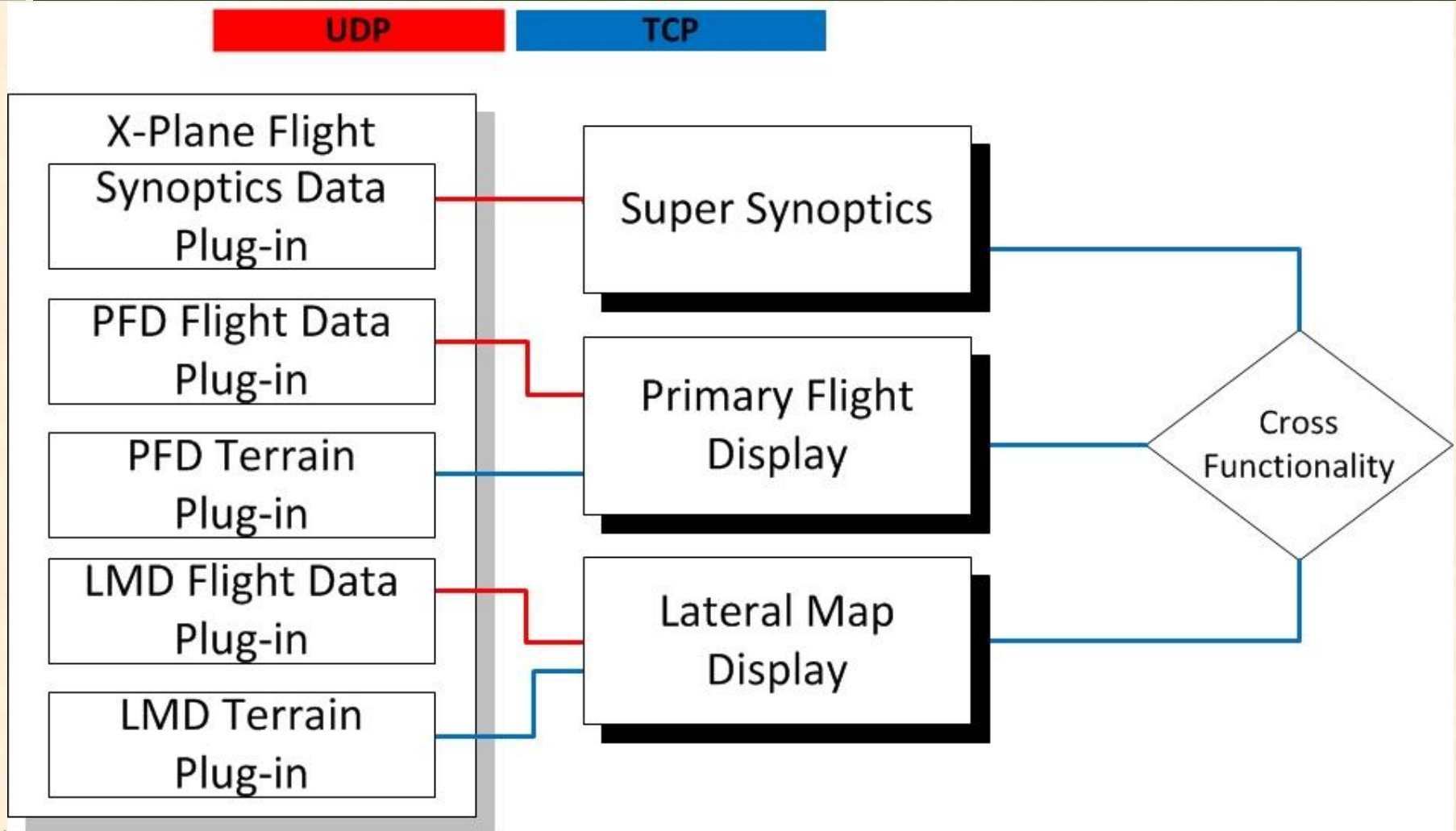
*From Students...
...to Professionals*

Project Overview

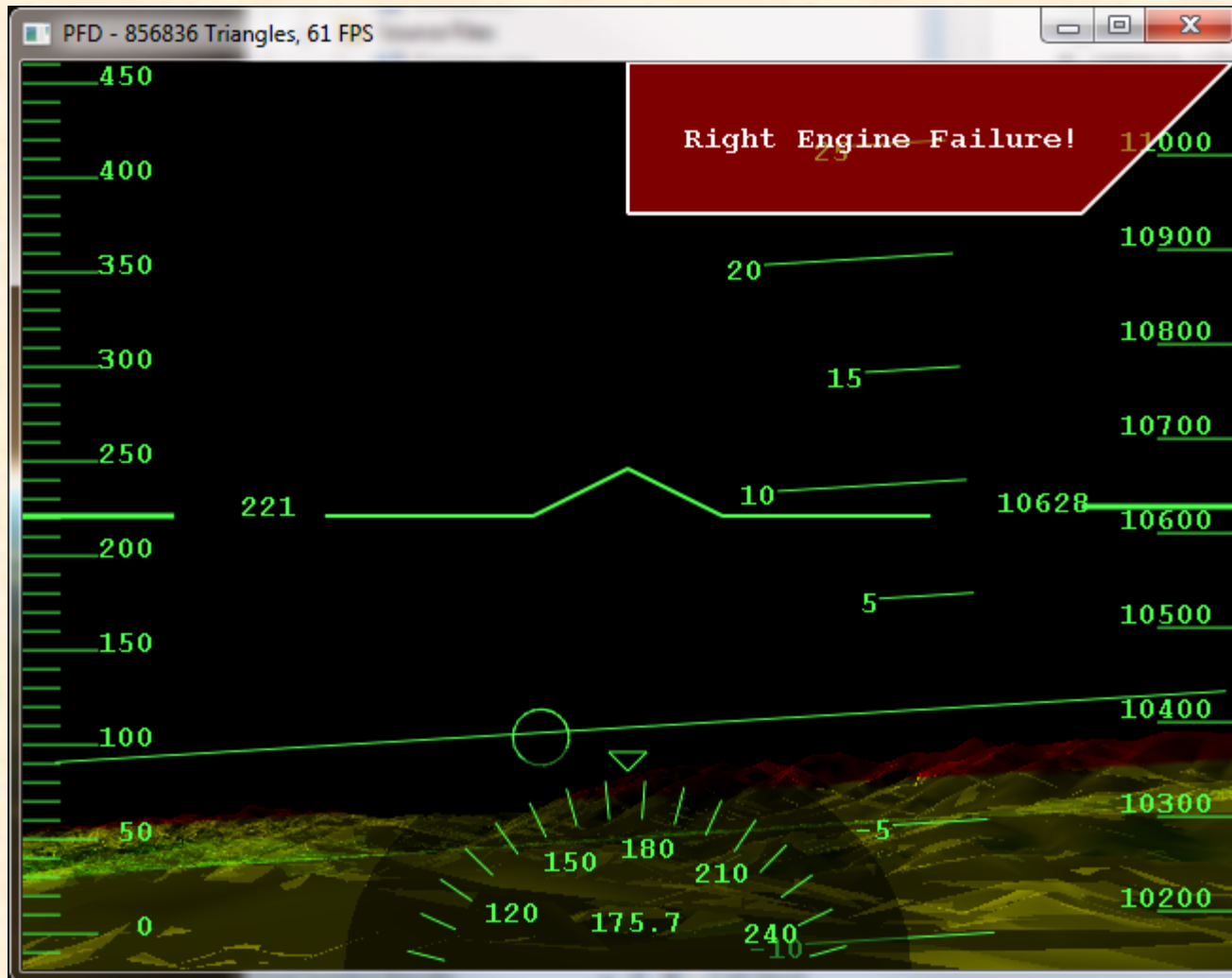
- Create the next generation flight deck
- Make flying
 - Easier
 - Safer
 - Meet the demands of the future



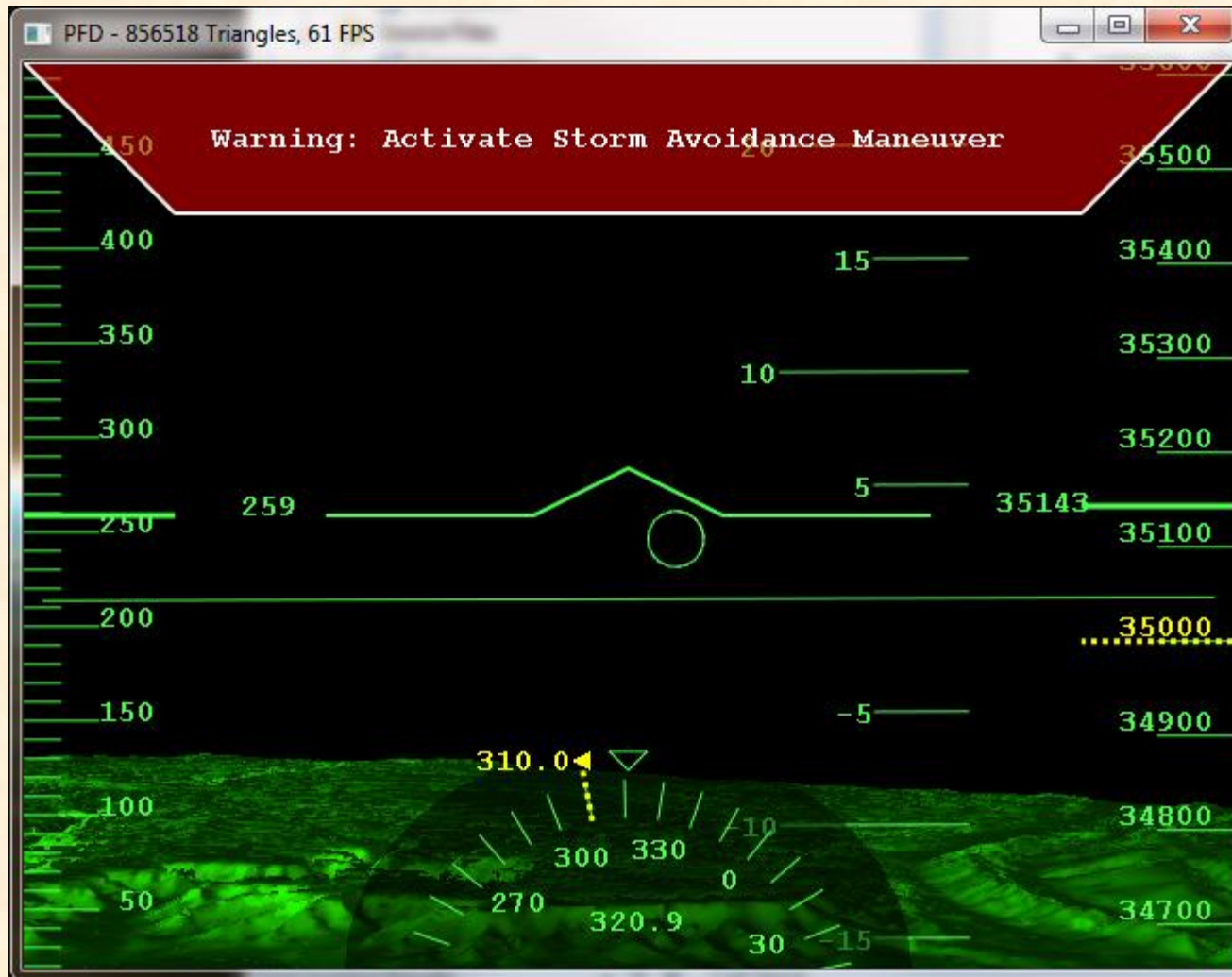
System Architecture



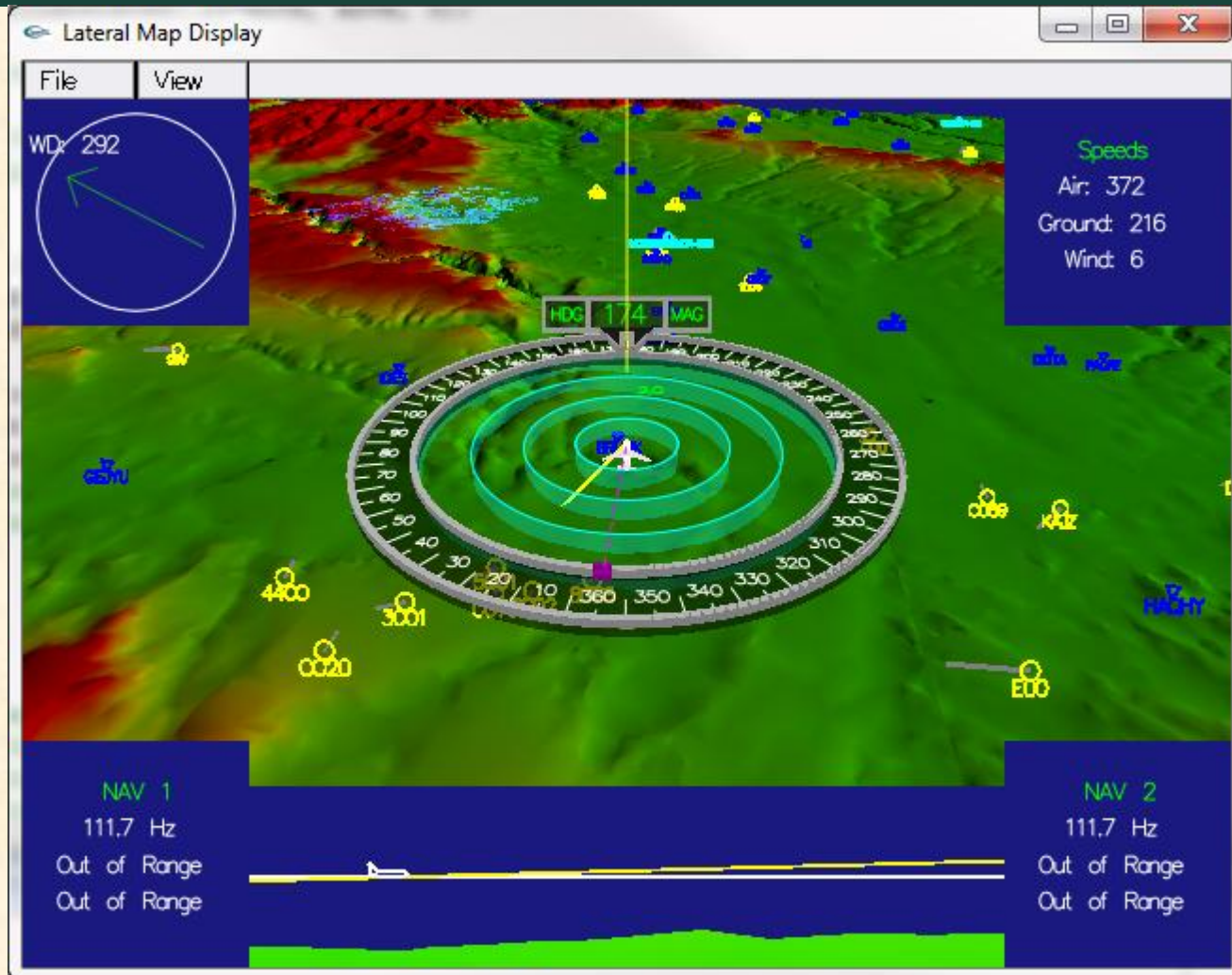
Right Engine Failure (PFD)



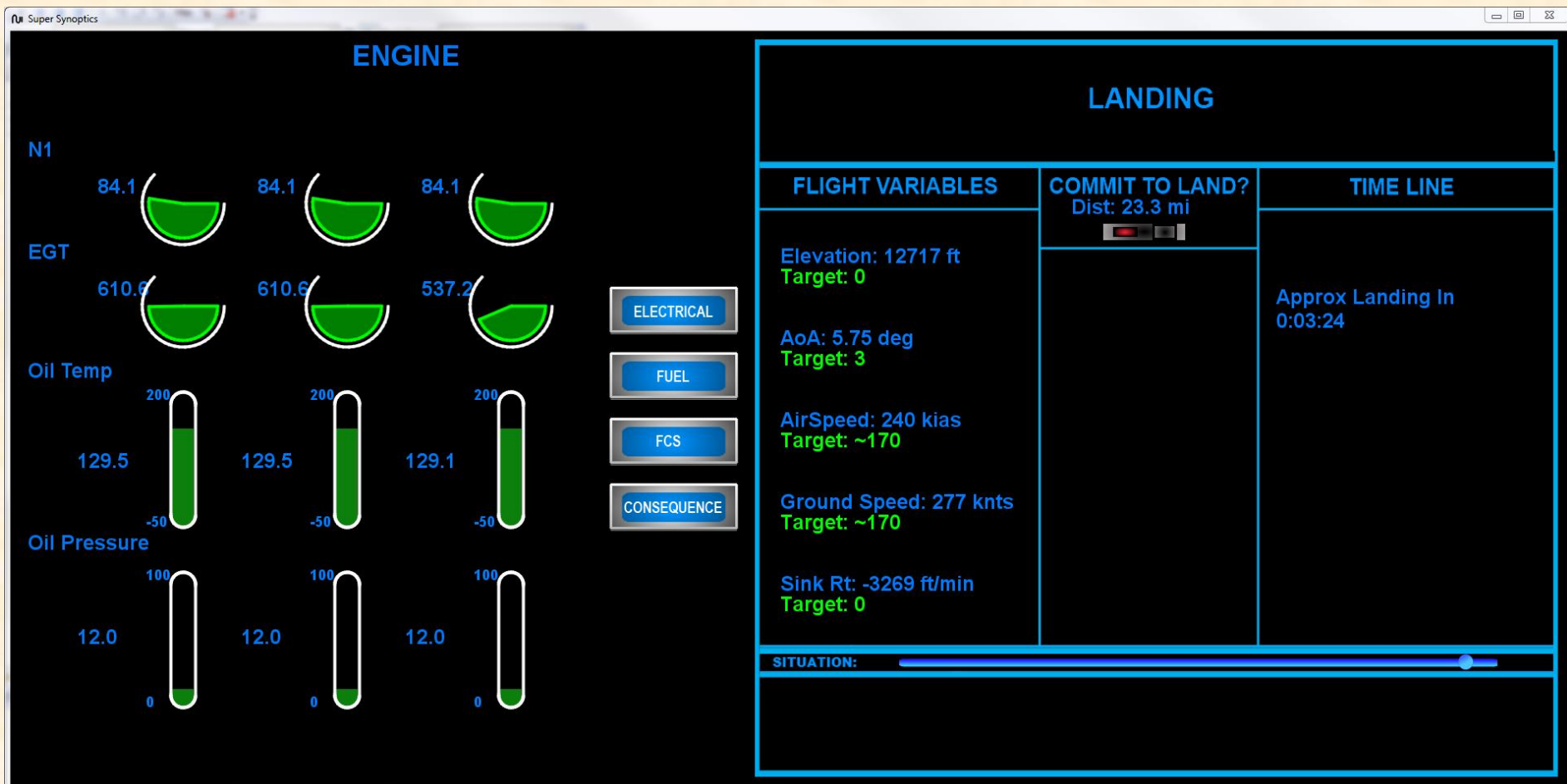
Weather Avoidance (PFD)



Weather Avoidance (LMD)



Super Synoptics



What's left to do?

- Implement cross functionality
- Develop weather-avoidance algorithm(s)
- Add Warning Messages to LMD, SS
- Homogenize and Polish Graphics

