Assignment 6: Applying Design For Safety Principles

Reading:

Take a look at the other 2 Follensbee papers online:
- "Safety and Reliability Concepts in Civil Aircraft Design"
- "The practice of fail safe design"

Applying safety principles

For the system in the accident you studied, identify <u>three</u> Design For Safety principles from the lecture and the Follensbee papers that you would recommend to be added to the design to help prevent your accident from reoccuring. Some principles to consider:
- Redundancy
- Monitoring
- Passive/active protection
- Incremental control
- Lockout
- Lockin
- Interlock
- Safety margins
- Fault tolerance

Feel free to cite external resources aside from the accident report.

For each of the <u>three</u> design principles you choose:
- Describe how the design principle could be incorporated in your system and how it would prevent similar accidents in the future.
- Comment on the strengths/limitations of the proposed design change.

Submit your findings as a ~5 minute powerpoint presentation.

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