

# MODUPILOT

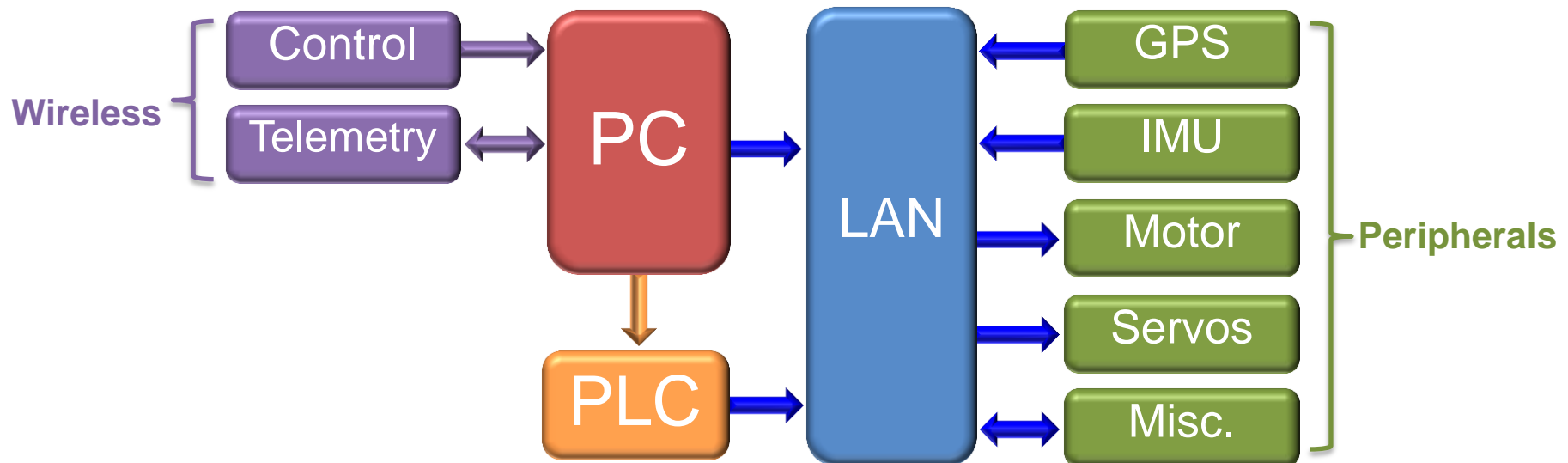
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## Project Goals

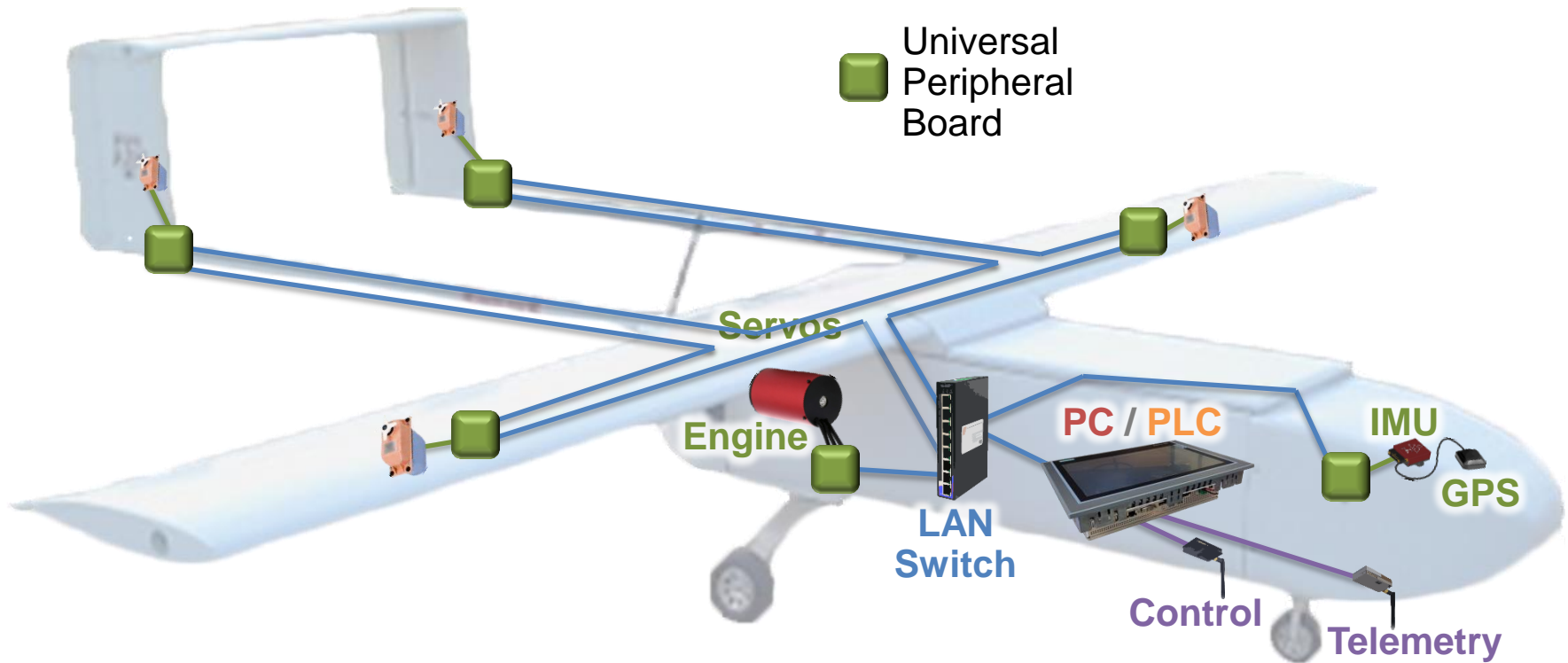
Create a “plug and play” airborne research platform, to which a variety of devices can be easily added or removed. An embedded PC supplemented by a programmable logic controller (PLC) will manage data, processing, control, and communications with a ground station.

## Project Deliverables

- Fall 2014: Bench-top prototype with basic functionality in each subsystem.
- Spring 2015: UAS integration and test flight at Texas A&M Riverside Campus.



# System Sketch



*Pegasus I*

Length: 11 ft.  
Wingspan: 12 ft.