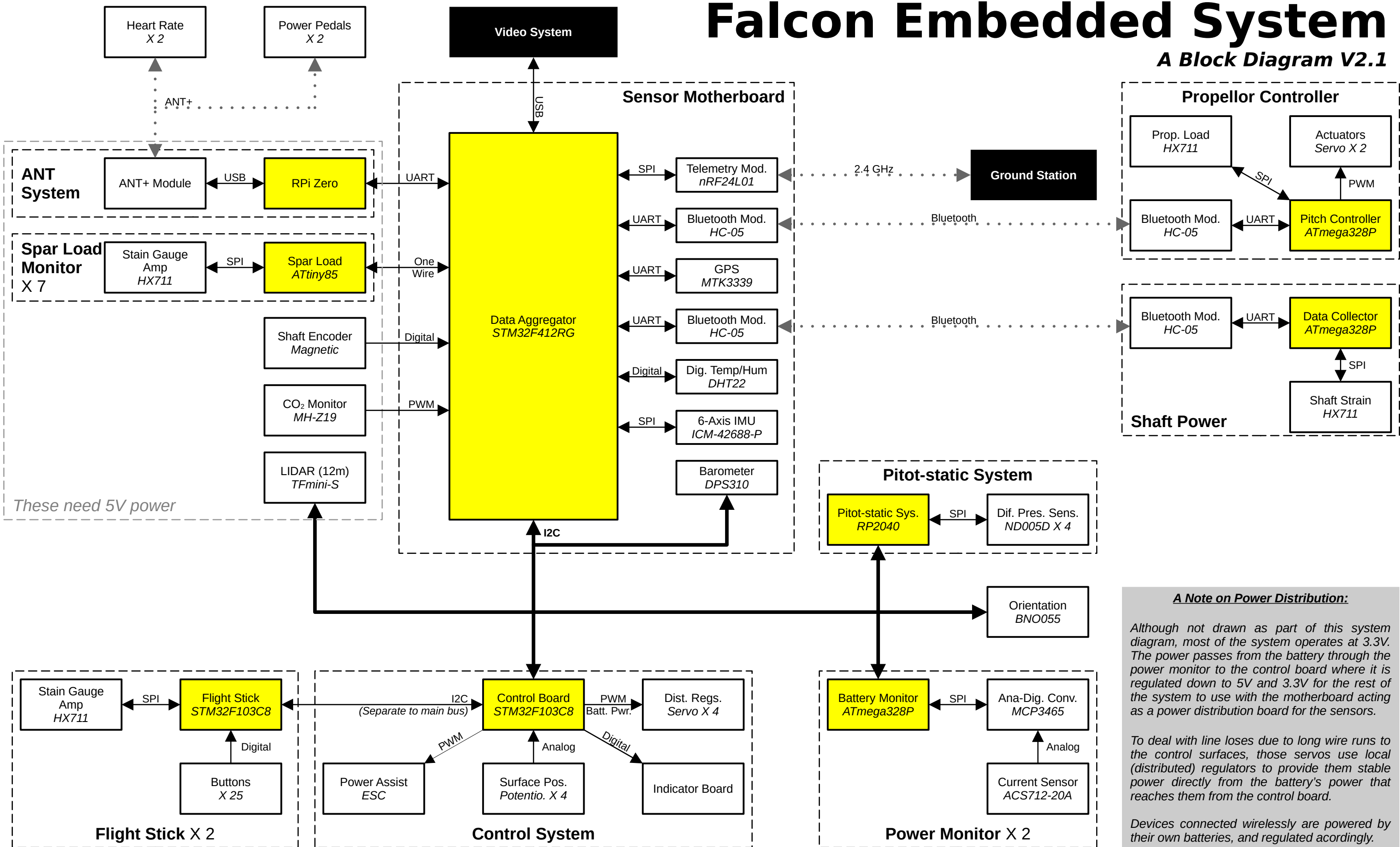


Falcon Embedded System

A Block Diagram V2.1



A Note on Power Distribution:

Although not drawn as part of this system diagram, most of the system operates at 3.3V. The power passes from the battery through the power monitor to the control board where it is regulated down to 5V and 3.3V for the rest of the system to use with the motherboard acting as a power distribution board for the sensors.

To deal with line losses due to long wire runs to the control surfaces, those servos use local (distributed) regulators to provide them stable power directly from the battery's power that reaches them from the control board.

Devices connected wirelessly are powered by their own batteries, and regulated accordingly.