

100K High Altitude Student Rocket

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Overview

A student project to create and fly a rocket capable of reaching an altitude of 100,000 ft.

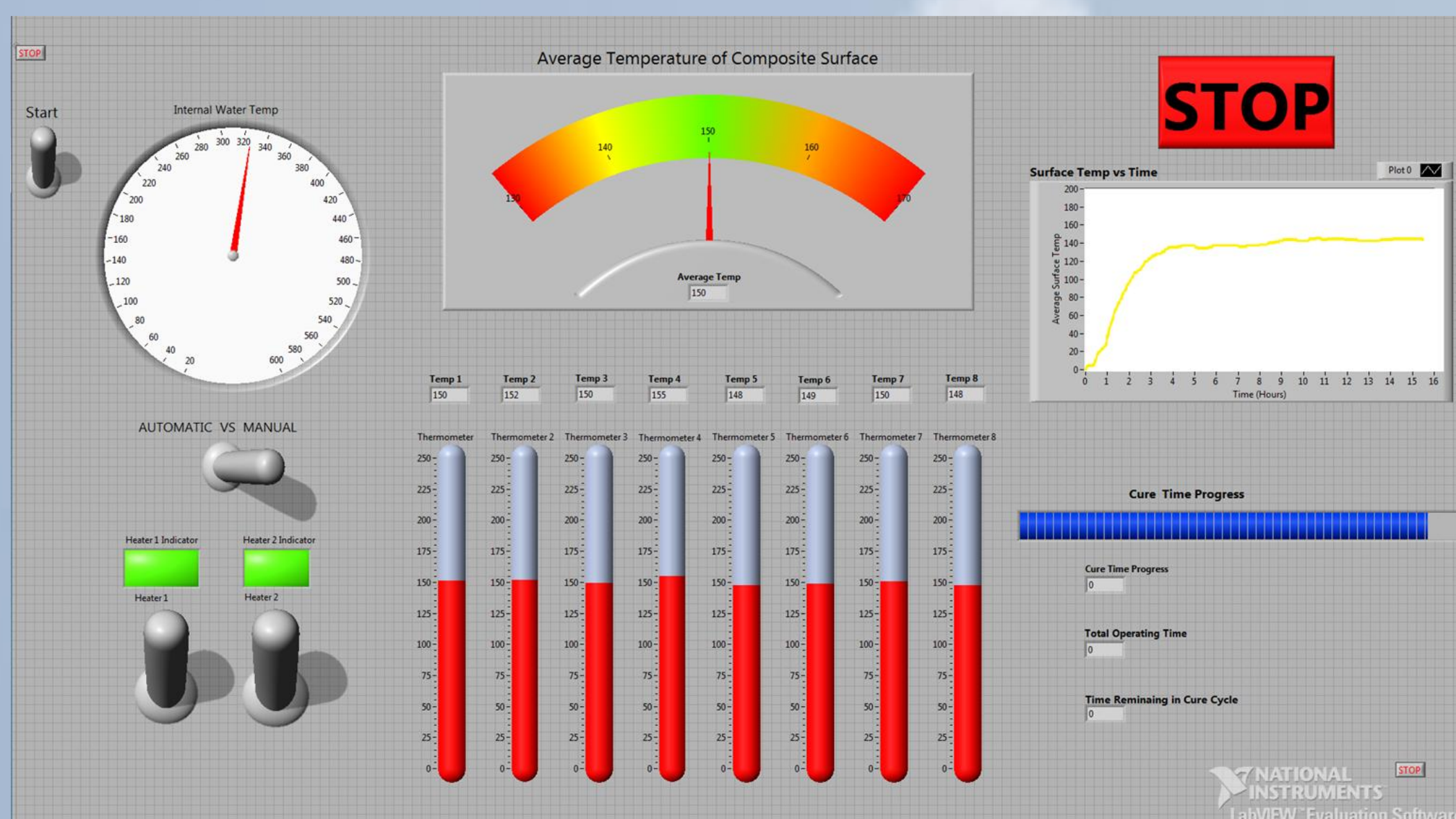
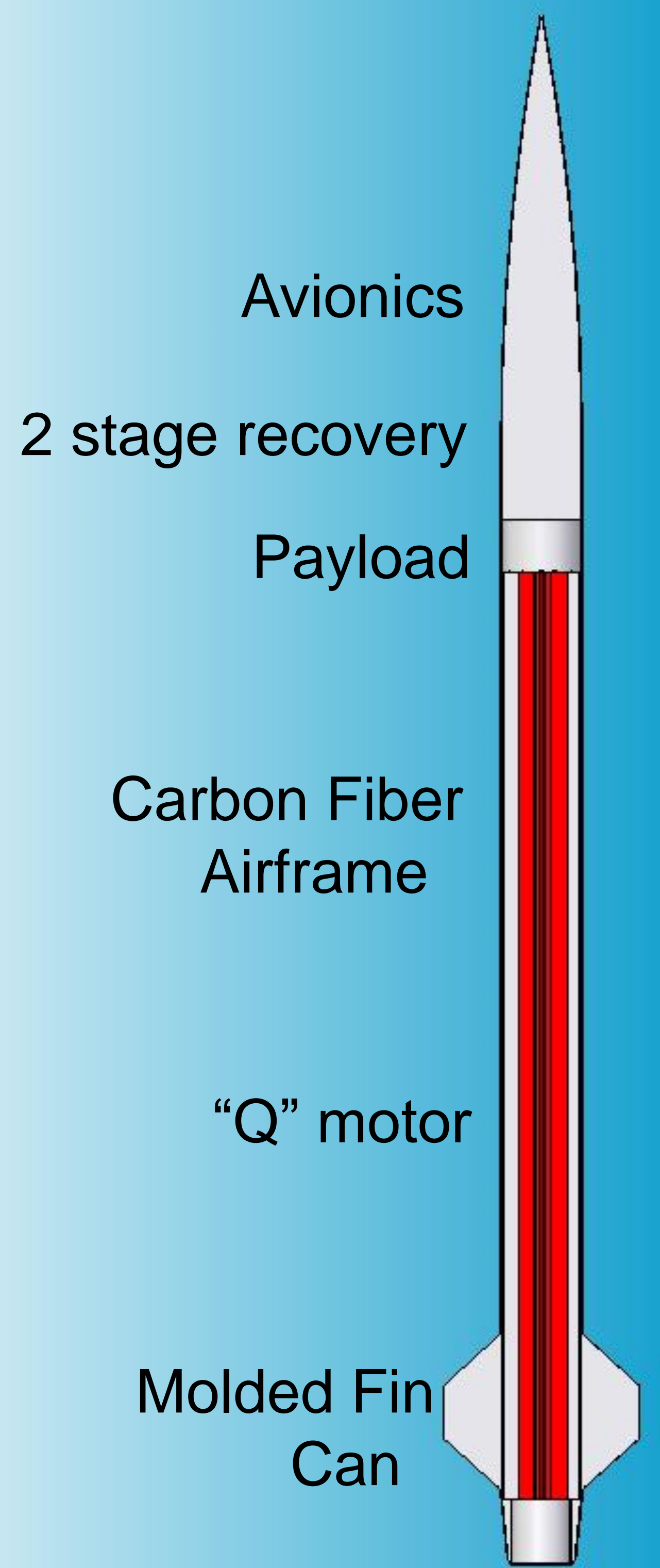
Project Features

- Student Designed, Built, Tested, and Flown
- Student Exposure
 - High Altitude/High Speed Rocket Design
 - High Altitude/High Speed Tracking and Recovery
 - National Instruments LabVIEW
 - Composites Fabrication
- Targeted Launch: Tripoli National Large and Dangerous Rocket Ships Launch, July 2013



6" x 6' mandrel for composite rocket body layups

Vehicle Features



Student Generated Mandrel Control Program using NI LabVIEW

Project Impact

This flagship project will provide members of the Space Hardware Club and MAE Graduate Design courses valuable experience as they continue their education and prepare for future employment in aerospace engineering.

Find out more about SHC projects, and how you can help, at space.uah.edu.

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