

John Womack

Mechanical Engineering

## A.R.M. H.A.I.R.

automated radiation monitoring hazardous area inspection robot



Mechatronic Engineering

James Stiling

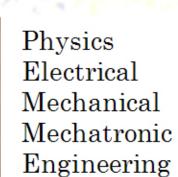


Mechanical Engineering

Ross Huber



Joel Amato

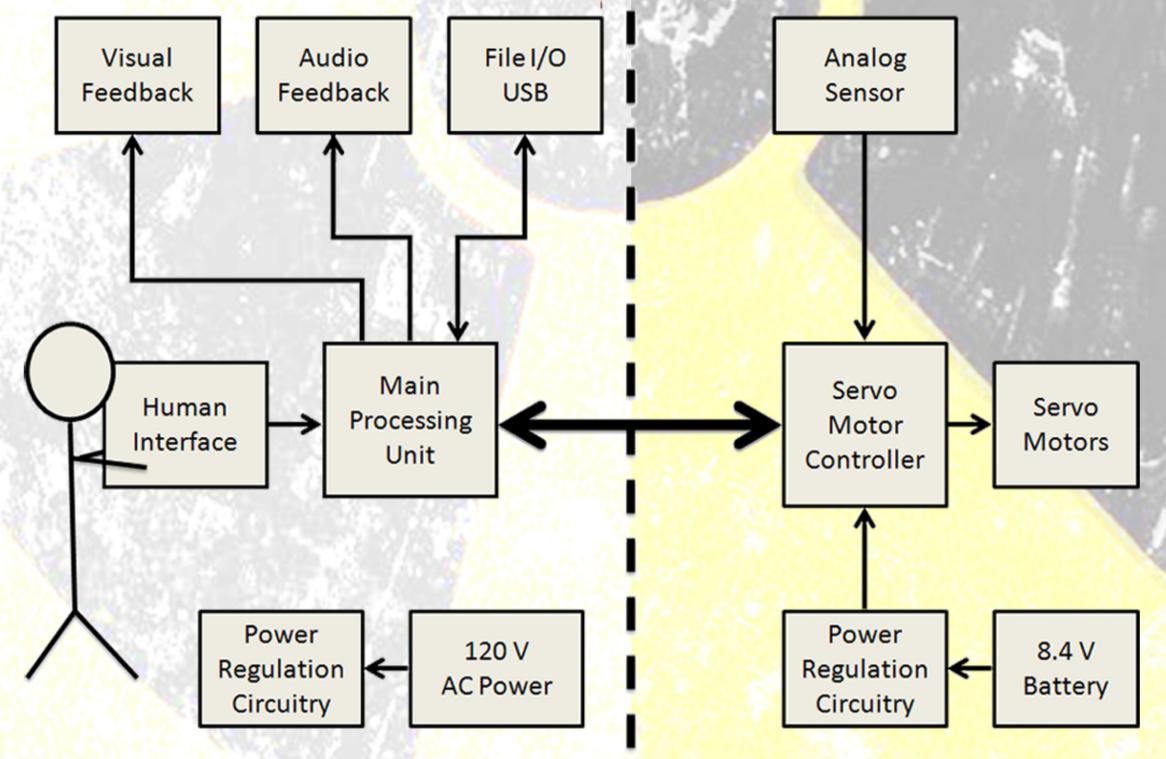


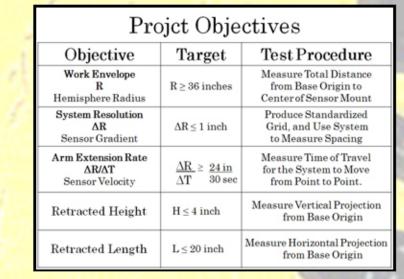




## SAFE AREA

## HAZARDOUS AREA





Mechatronic Constraints	
Attribute	Constraint
Supply Voltage	8.4 Volts Standard DC
Sensor Output	0.5 Volt DC Test Signal
Data Communication	4-Wire Serial Protocol
Required Feedback	Sensor and Telemetry Data
Operator Interface	Remote Control

Mechanical Constraints	
Attribute	Constraint
Sensor Attachment	Universal Mount
System Attachment	8 Square Inch Area
Payload Capacity	4 Ounce Minimum
System Weight	8 Pounds Maximum
Life	0.5 miles of Sensor Travel

