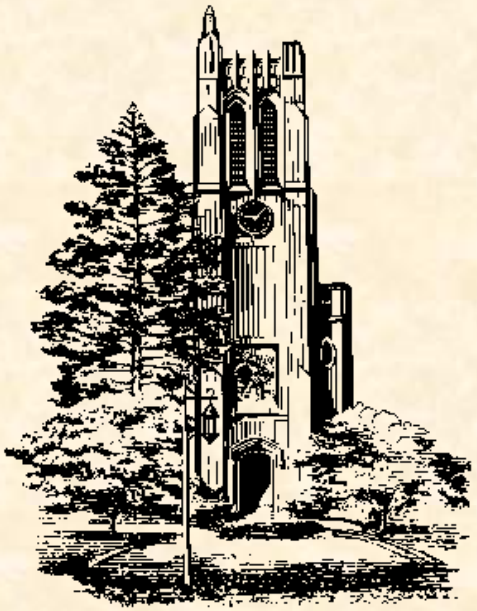
MICHIGAN STATE UNIVERSITY

Alpha Demonstration
Camera Control Appliance (CCA)



Team Raytheon

CSE 498, Collaborative Design

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Michigan State University

Spring 2010

Project Overview

- Command Assurance – Civil (CA-C)
  - User interface, overlays objects on Google Earth
- Sensor Resource Manager (SRM)
  - ‘Brains’ of the operation
- Command, Control, and Display Equipment (CCDE)
  - Message sender and listener for SRM
- Camera Control Appliance (CCA)
  - Translates messages, threaded camera control
  - What we make!

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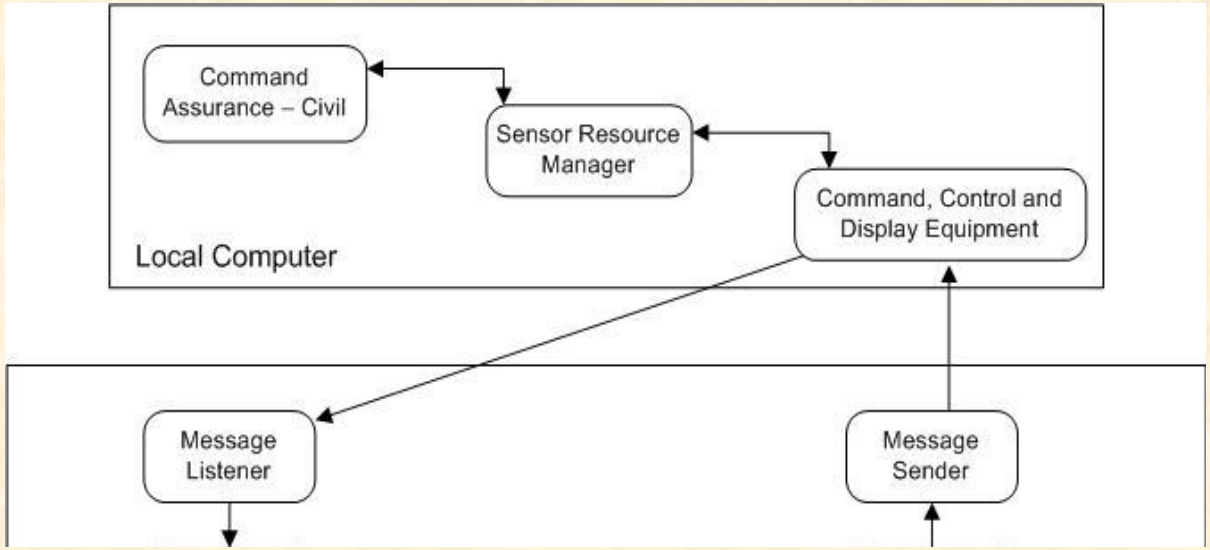
Architecture Illustrated



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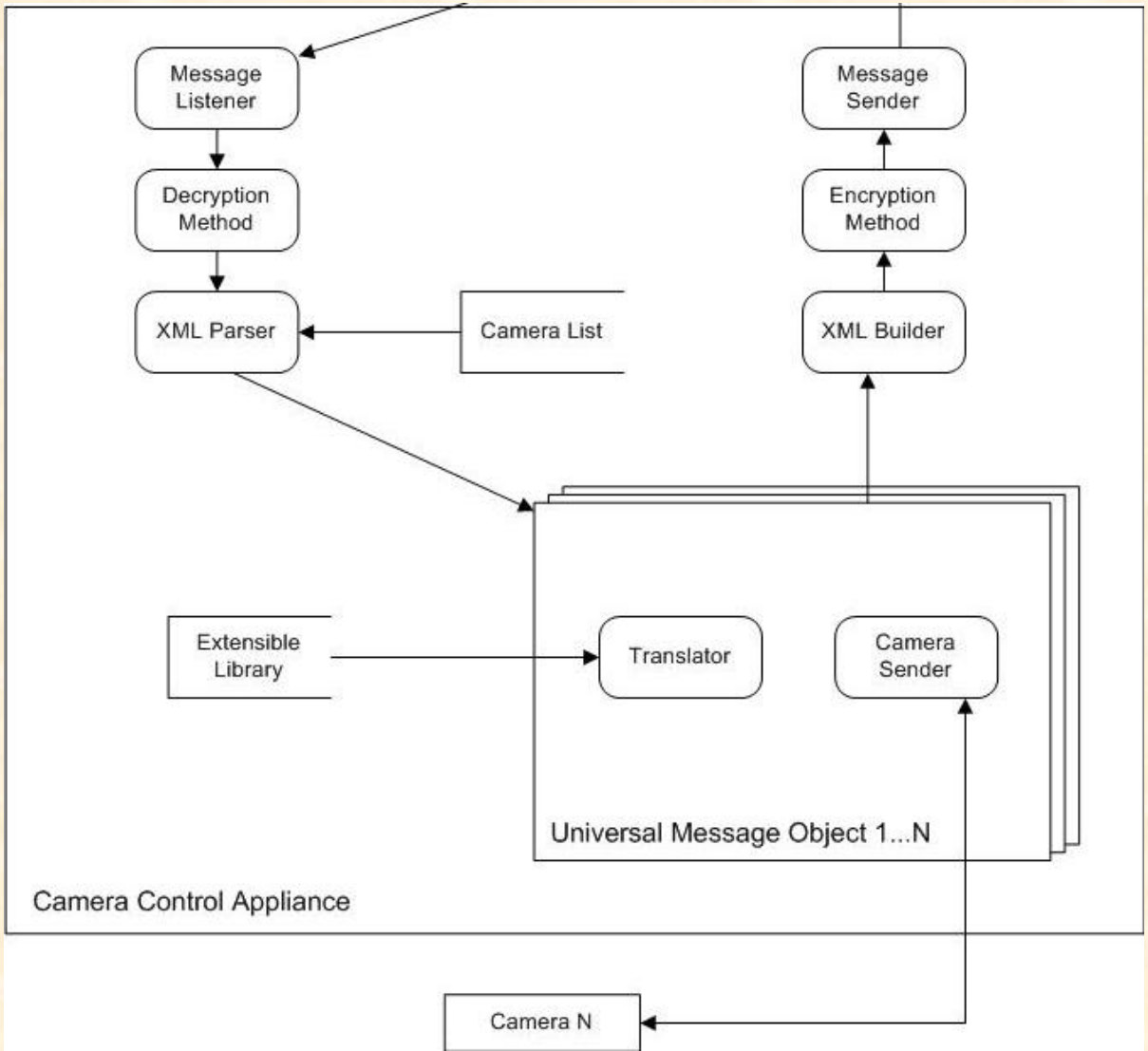
Architecture Illustrated



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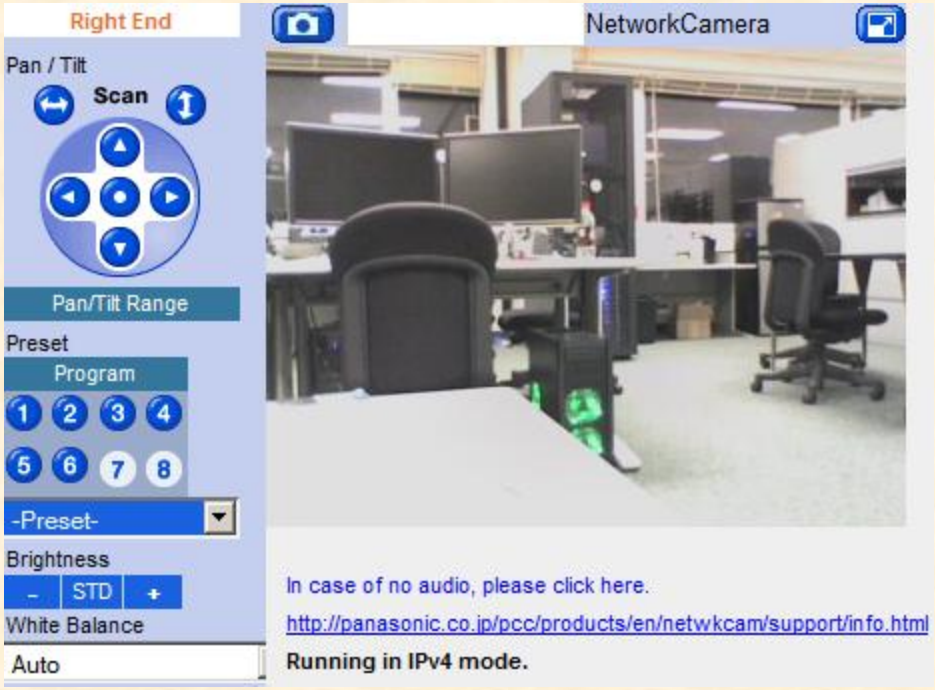
Screen Shot

Controls and Visuals



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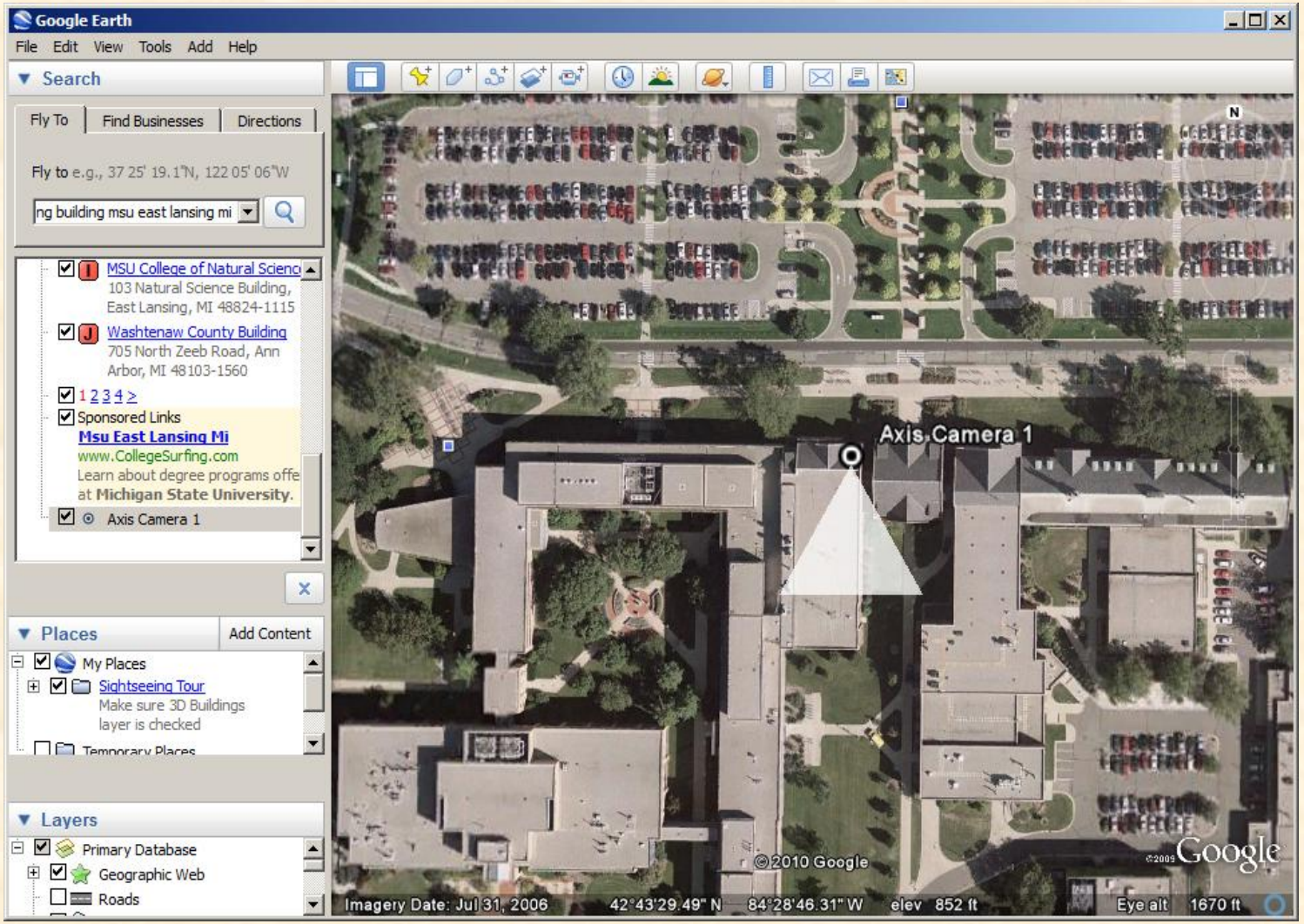
Screen Shot



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What's left to do?

- Embed Camera Controller into Google Earth
  - Implemented through CA-C
  - Design GUI
- ICD-101A
  - Parser
  - Translator
- Extend Functionality
  - Extensible Library
- Develop SRM Plugin for CA-C
- Testing

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