



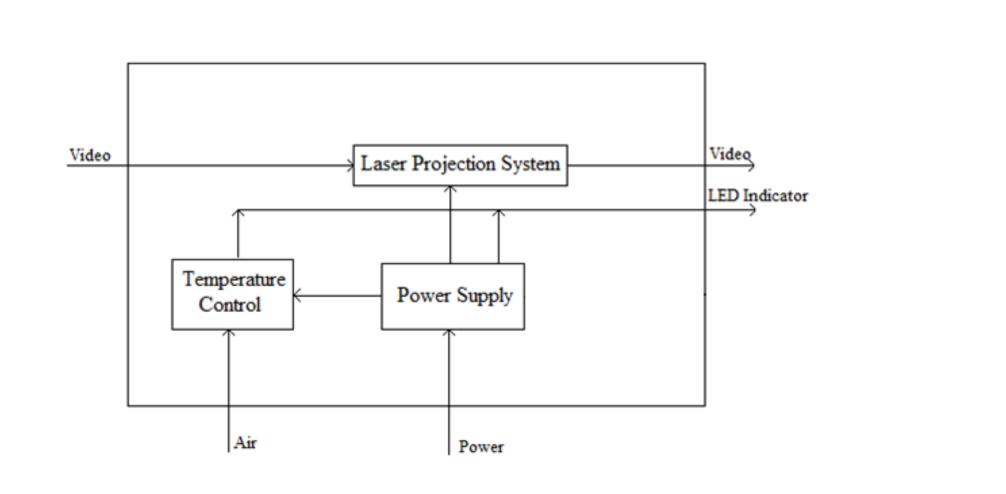
Objectives

We set out to create a projector that uses diffused lasers instead of a white halogen lamp to project an image onto a screen. The benefits of lasers include much lower power consumption and a wider range of colors then you could attain with a normal projector.

Design Requirements

- System should be easy to use
- System should have a clear display
- System should be low cost
- System should be easy to install
- System should be safe
- Projector should be compact

Functional Decomposition



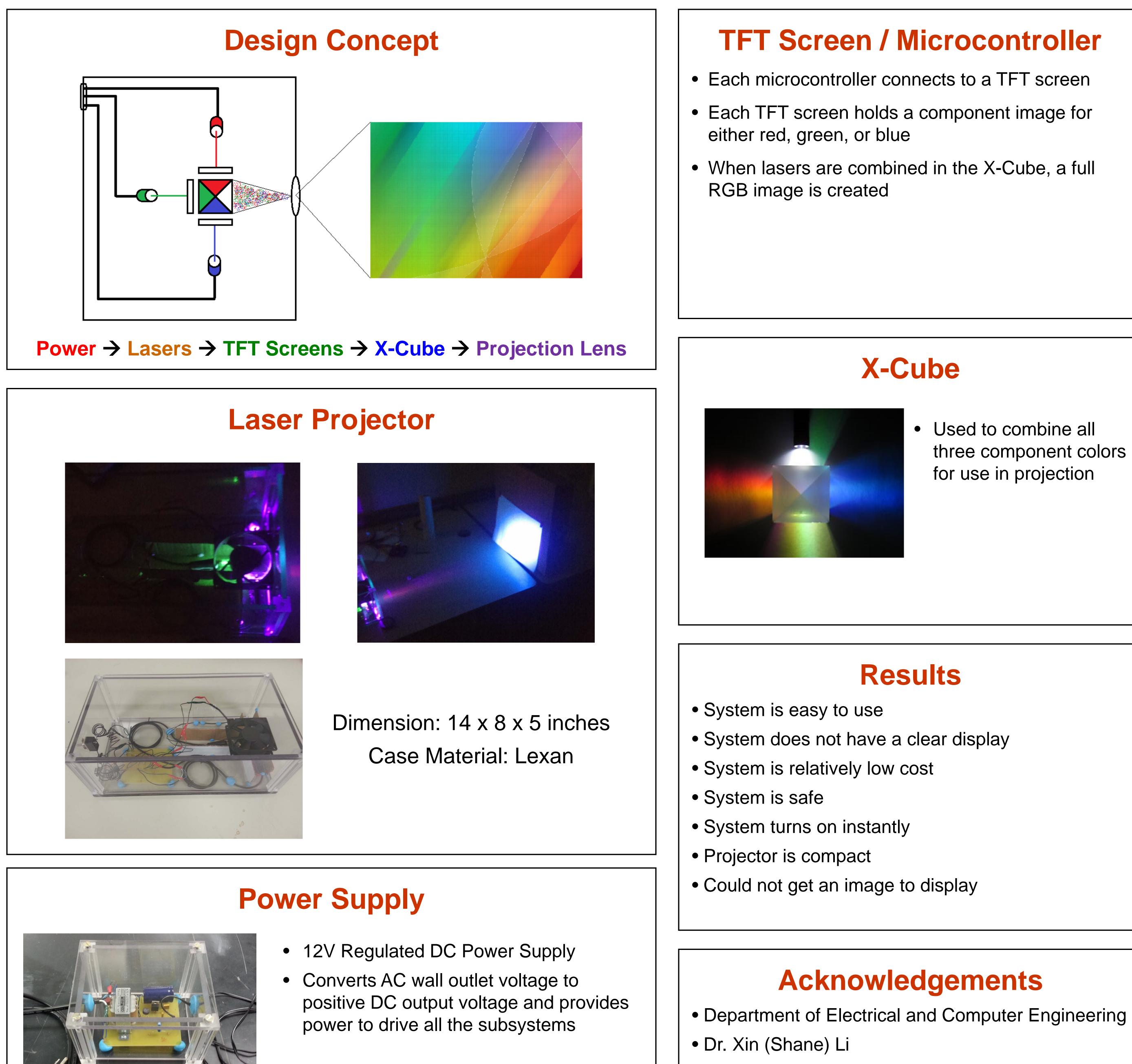
Features

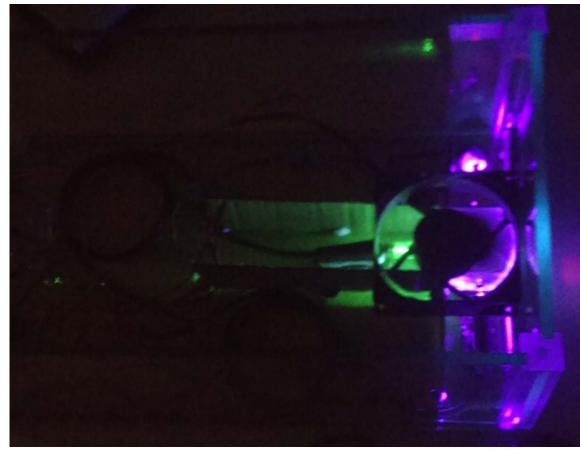
- Uses lasers instead of a white halogen lamp
 - Quick boot-time
 - Low power consumption
- Temperature sensing cooling system

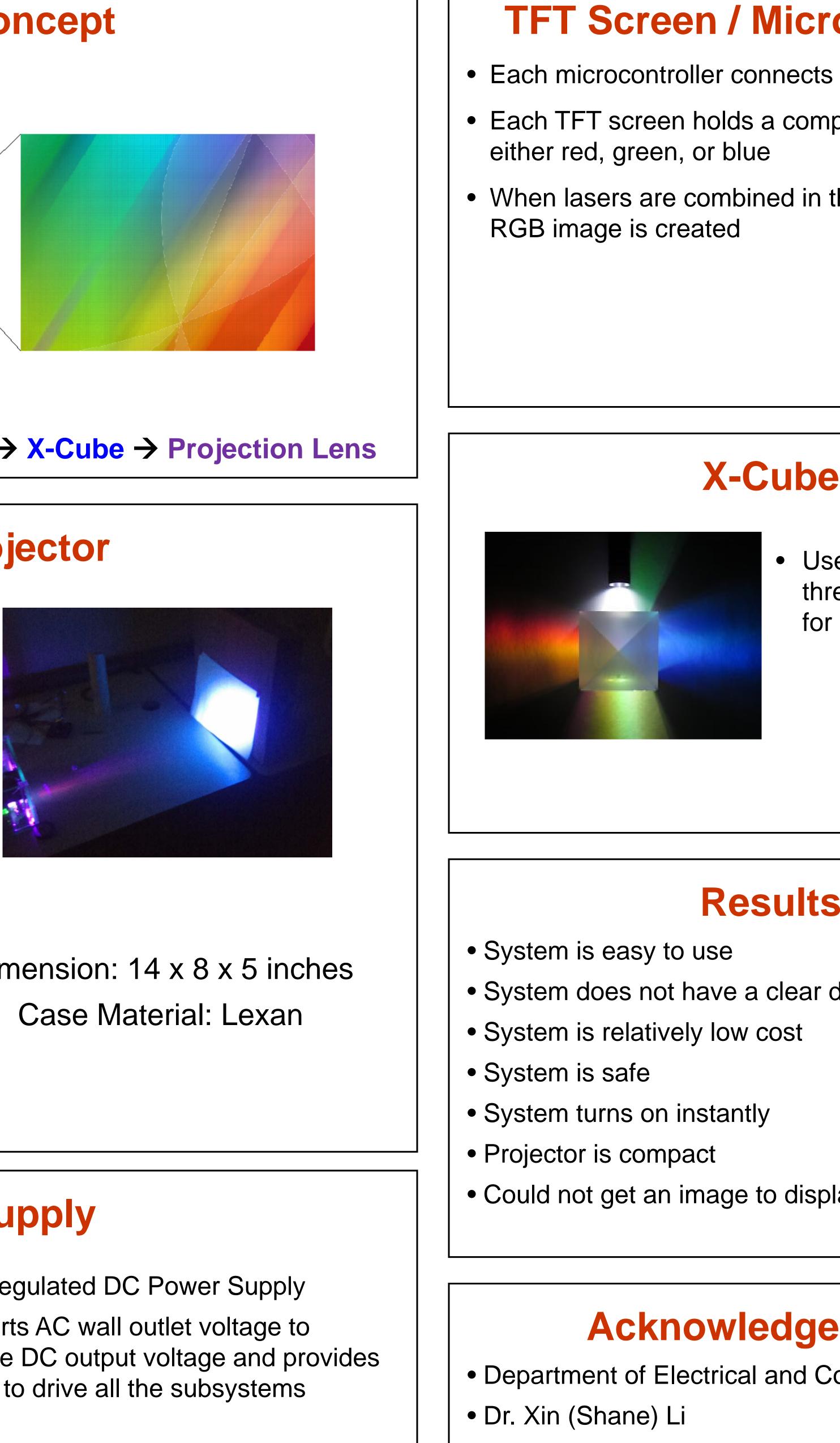
• Portable

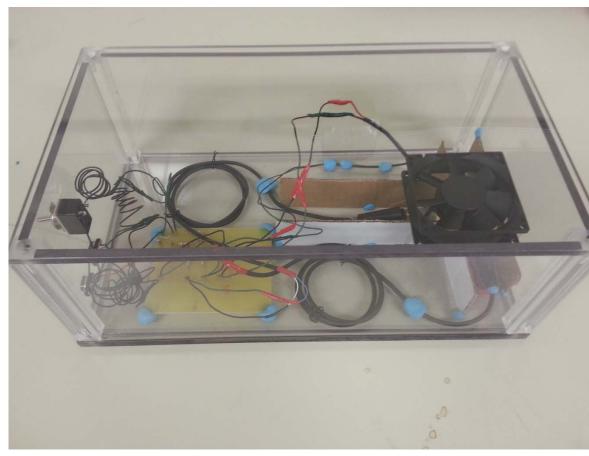
 Can be used with a rechargeable lithium-ion battery

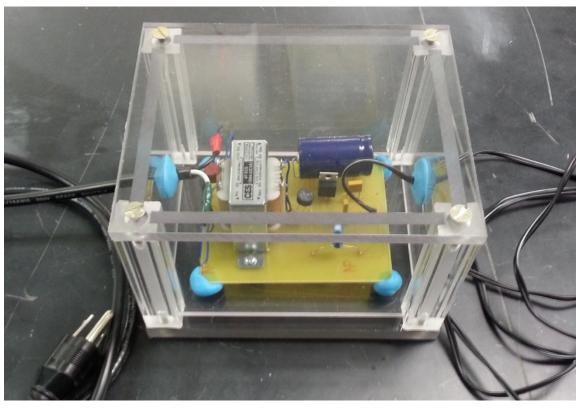
Team Members: Ryan Williams, Jeong Kim, Patrick Beler, Brad Odums Mentor: Dr. Xin (Shane) Li













• James Breedlove

