Basic Utility Vehicle Firetruck

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PROJECT OVERVIEW

- The Institute for Affordable Transportation

- www.drivebuv.org
PROJECT SPECIFICATIONS

- Mobile Firefighting Unit
- Modify BUV Design
- Cost Effective
- In-Country Manufacturing
PREVIOUS WORK

- Basic Design
- Engine
- Pump
- Barrels
GOALS

• Barrel Ventilation
• Plumbing System
• Water Filter
• Integrate Pump Clutch
• Design/Prototype Insert
METHODOLOGY

- Hands-on
- Design revisions
- Prototype Iterations
- Implement Feedback
BARREL VENTILATION

- Filling
- Pressure Relief
- Bulkhead Fitting
FILTER

- Protect Pump
- Corrosion Resistant
- Simple
- Easy Maintenance
PLUMBING

- Maximize Flow
- Easy Maintenance
- Flexible Connection
CLUTCH

- Stabilized coil
- Electrical switch implemented
- Pressure Treated Lumber
- Minimalistic Design
- Low cost
- Easy to manufacture
- Modular Design
CONCLUSION

- Prototypes Complete
- Design Phase Complete
- Ready for testing
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QUESTIONS