

Project Charter: **HoverCycle**
Project Manager: Bill Carswell
Amazing Gadgets, Inc.
Date: 2/11/14

Project Description

AGI has patented a new technology to allow metallic objects to hover above the ground in a cost-effective manner. Our first product to market with this technology will be a HoverCycle, a single-occupant commuter vehicle. The product will be manufactured by AGI and sold by the new business venture, AstroCycles, Inc.

Stakeholders

Stakeholder	Role/Interest
AGI Exec Staff (Pete Wilson)	Schedule/Budget status
Prototype Team	Execution
Field Test Team	Track development and testing
Manufacturing	Preparing for full-rate manufacturing
Supply Chain	Long-lead and specialty items
Regulatory Compliance Team	DOT Certification
Documentation group	Training/Ops/Maintenance Manuals
Business Development and Marketing	Recommend approval/cancellation based on initial project plan and costs

Scope

The primary scope/deliverables and requirements are listed in the IRAD SOW:

- 10 functioning HoverCycles
 - 30mph max speed
 - Breaking time 55-0mph in 6 seconds
 - One person capacity
 - 90-mile range between refueling/charging
 - Able to climb 45° slopes
- Test track facility
 - 0.5-mile closed, continuous track.
 - Should include paved and unpaved, all-terrain segments
- Any special tools for operations and maintenance (10 sets)
- Initial key spare parts
- HoverCycle testing
 - Reliability
 - Safety
- DOT approval
- Training/Operations Manual
- Maintenance Manual
- Assembly line requirements

Other requirements include DOT off-road vehicle regulations

Schedule Milestones

From the IRAD SOW:

- 1 Month to develop the project plan. Approved plan is ATP
- First prototype to begin testing on closed track 9 months from ATP
- All 10 prototypes completed 1 year after first prototype completed
- DOT approval for limited use (off-road) 2 years after ATP
- Remaining scope to be completed by DOT approval

Budget and Resources

- The budget for this project will be determined by the initial one-month project planning effort. The business development unit will then assess market feasibility and the executive staff will approve or cancel the project based on the business development unit's recommendation.

Risk

- If there are problems with full-rate production of the Hover technology the reliability and/or cost may be prohibitive.
- The propulsion and braking systems have not been designed. If they prove to be more challenging than expected this could result in schedule delays to full-rate manufacturing or unacceptably high production costs.

Approvals

President: Peter Wilson

Date

Project Manager: Bill Carswell

Date