

Drone Delivery Mailbox

Group 1

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Scenario & Problem

- Commercial Drone Package Delivery – Possible?
- Where? To Whom? What if?
- Question: How can drones package delivery reach the appropriate person living in an apartment complex?
 - Our “solution”: Conceptualize/design a package mailbox for drones which can be used in apartment buildings

Objectives

- Understand the design process & what is involved in designing for the future
- Create a mailbox/package box for drone delivery
- Test the varying mechanisms used in the design and use results to make recommendations for design alterations in the future

Approach

- Background Research
 - Information about the situation
- Brainstorm, sketch/design
- Prototype, Test & Iterate
 - ME Lab?
- Conclusions and Advice for the future

Milestones

- End Week 3 (22/9) – Mailbox idea/components chosen
- Week 4 – Prototype & test iteration(s) begin
- Mid Week 5 (29/9) – Main test plan complete & Prototype together
- End week 6 (13/10) – Testing & Tweaked – final iteration of prototype for this project complete
- 17/10 – Presentation done & latest prototype

Deliverables

- Weekly Updates – Meeting & Main Page
- Background Research (15/9)
- Requirements (18/9)
- Brainstorm & Design Matrix (20/9)
- Material List / Concept Sketch (23/9)
- Build Plan (24/9)
- Test Plan (29/9)
- Results, Future Considerations & Conclusions (week 7)
- Final Presentation (20/10)



Any Question?