



**CRANE**

## Innovation Infosheet

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# Mobile Arresting System for Unmanned Aerial Vehicles

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**Categories:**

- Mechanical Engineering
- NSWC Crane

**Keywords:**

- Aeronautics
- Crane
- Mechanical Engineering
- UAV

In existing methods for landing a UAV, the UAV requires a runway long enough for the UAV to touch down and decelerate to a stop. There are situations where it is important to land a UAV in an area with limited space, such as an aircraft carrier or roof.

NSWC Crane has developed and patented a system for stopping an unmanned aerial vehicle (UAV). The system includes a crane with a receiver that can catch a hook on a UAV. The receiver is able to pivot around the crane, holding on to the UAV, until it comes to a rest. This system for catching and stopping a UAV has a relatively small footprint when compared to the size of a runway necessary to decelerate a quickly moving UAV.

**People:**

- Miller, Gerry (Project leader)

**Intellectual Property:**

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