

Thesis Proposal

Optimization of Assembly



Description

Safedock Advanced Visual Docking Guidance Systems (A-VDGS) provide active guidance to pilots to support safe, efficient and precise automated aircraft parking during virtually all operating conditions.

Automation creates a safer operation by reducing the opportunity for error. Allowing pilots to self-park speeds up the docking process, aircraft are parked faster in all kinds of weather conditions, fuel burn and emissions are reduced and ground crew are free to focus on preparing the aircraft for departure.

To make the docking guidance system functional, a lot of both mechanical and electrical components need to be assembled to obtain a complete system. It is our belief that this can be done much faster and more efficiently. We are looking for innovative ideas to minimize the total assembly time. Design changes of the existing products are possible for a conceptual proposal.

The thesis is most suitable for two students working together. It will be based in Malmö and may also include visits to other offices.



Tasks within the project:

- ▶ Design for Assembly
- ▶ CAD
- ▶ Innovation and creative thinking
- ▶ Proof of concept

Suitable skills and interests:

- ▶ Technical interest
- ▶ Mechanical engineering education
- ▶ Lean production
- ▶ Optimization

Application

Please send your application by December 1st 2017 to thesis@adbsafegate.com.

Title your email "Master Thesis - Optimization of Assembly"

www.adbsafegate.com

