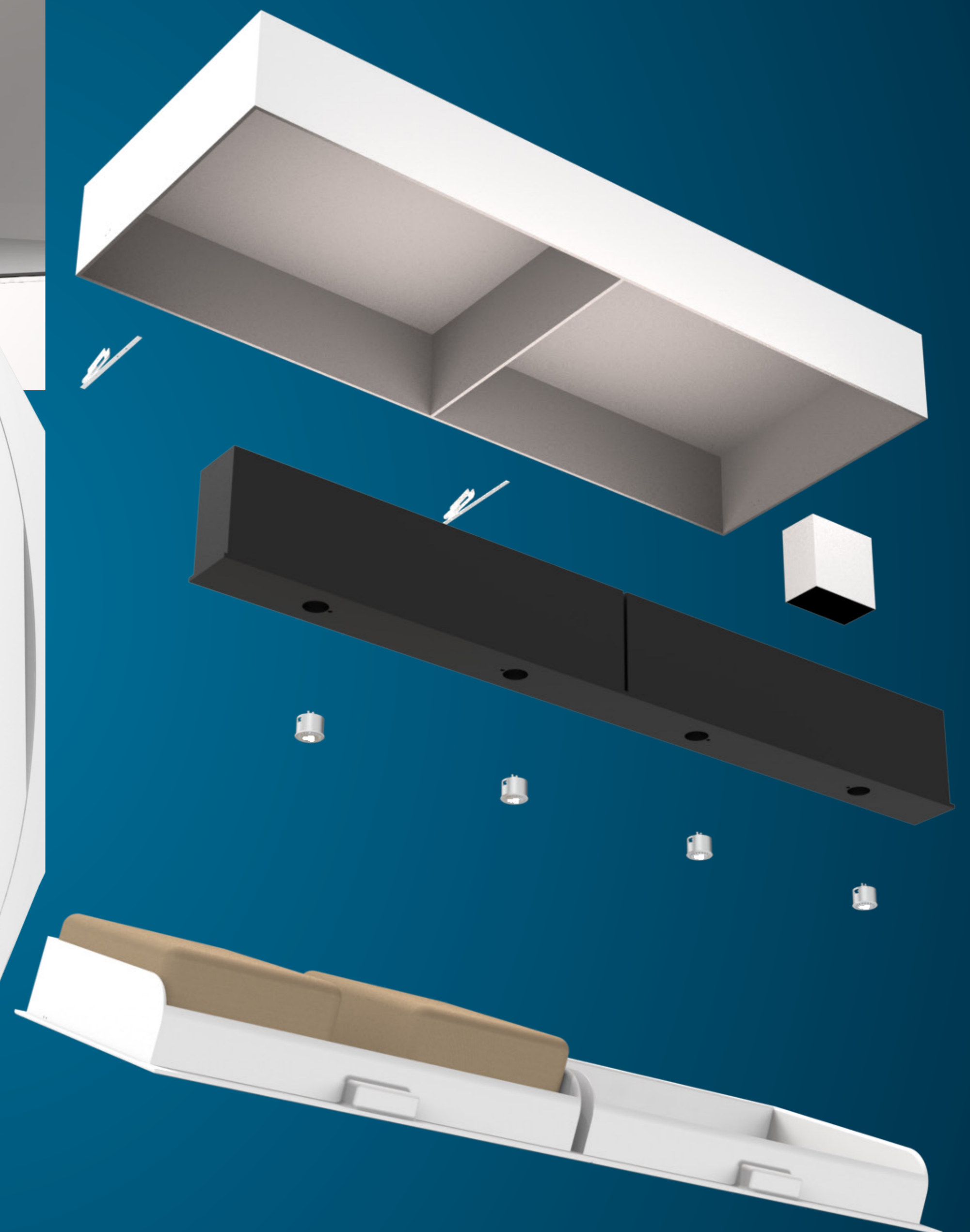


# FAST AND COMFORTABLE HAND LUGGAGE STOWAGE UNITS IN THE FLYING V



The new hand luggage stowing solution for the Flying-V consist of multiple solutions for the current problem.

- Space for all the passengers
- Dedicated place for the hand luggage
- Ergonomically sound
- Speeds up the boarding time
- Passenger can stand in front of their own seat and access their own bin
- Adjustable for every plane
- Embaded screens for projections
- Odd-sized luggage solution



This new solution for comfortable hand luggage stowage in the Flying-V consist of many advantages compared to the current solution. In this new system, the hand luggage can be placed in the overhead bin while standing between the seats **keeping the aisle free**. So this will result in **shorter boarding times** since the passengers do not need to stand in the aisle to load their suitcase.

From previous research, 90% of the participants during the questionnaire preferred to have access to their hand luggage during the flight without bothering other passengers, and have to pass their neighbors. In the new design, it is possible to **stand at your own seat and be able to access your own luggage**. The new bins are made for two passengers and open directly above their own seats. The bin is divided into two by lighting and the seat number is placed in the bin in order to guide the passenger to use their dedicated part of the bin.

So the passengers are guaranteed their own **dedicated space** within the aircraft where they can stow their hand luggage. With the side note that this applies as long as they follow the guidelines. But when they do it will be possible to stow the biggest hand luggage suitcase, which is 56x45x25cm(Samsonite, 2020). On top of that, they can place their jacket in there as well.

During the research, a returning topic was the part of being assured that the passenger was able to bring their personal belongings on board and keep them closeby. Knowing that it is possible for your suitcase to be in the lower luggage compartment last minute due to lack of space. It gave many passengers anxiety, which led to that they could not enjoy their trip as part of their holiday. With this design, **every passenger is assured of enough space**.

All other luxuries the passengers currently have, are included in the new design. For instance, they have control of their own light and air flow. The safety features that are currently in place are still present. So the emergency masks will come down in the same position that they used to according to known specifications.

The new design and system are **ergonomically sound** in the sense that the dimensions are based on the sizes of humans and measurement guidelines used by interior manufacturers.

So next to this design, an other idea returned. In the plane, there will be space in closets on the side of the aircraft in unused space currently. It has a multifunctional purpose, on the one hand, for the cabin crew for their hand luggage. On the other hand, for the **odd-sized luggage**. The idea is that passengers can reserve a spot in one of these closets for an extra amount of money.

Also, for items that may fall out of the overhead bins or are too big, these places will be ideal for this sort of hand luggage.

Thomas Hof's  
..... (project title)  
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IPD

**Committee** Peter Vink  
Caroline Kroon  
**Company** TU Delft

