

**E. Zijlema *Concept design of a rescue-vehicle for airplanes.***  
**Report 2001.LT.5500, Transport Technology, Logistic Engineering.**

The preface gives a general view of the problem and how the idea of a rescue vehicle was originated.

In chapter 2 the given boundaries by J. van Deursen and M. van Deursen are being evaluated. A few of these boundaries have to be considered more important than the rest for the concept design.

In chapter 3 the general situation of an airplane-crash is described as well as other important issues are being described.

Chapter 4 gives a general view of the concept design. The most important aspects of the concept design are being the discussed.

The evaluation and recommendations. The concept design is being evaluated. The general question that's being answered here is: is the concept design capable of salvaging any kind of airplane. Furthermore it is interesting to look at possible improvements of the concept design. These are given in the recommendations.

In the appendices 1 to 4 different point of views of the concept design are illustrated. Trough the entire rapport sometimes a few aspects are referred to these appendices.

In appendix 5 a few calculations are made considering the concept design.

Appendix 6 gives extra information about a revolutionary aircushion technology of the dutch company Zumro B.V.

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