

# OLGA - Open Loop Gust Alleviation

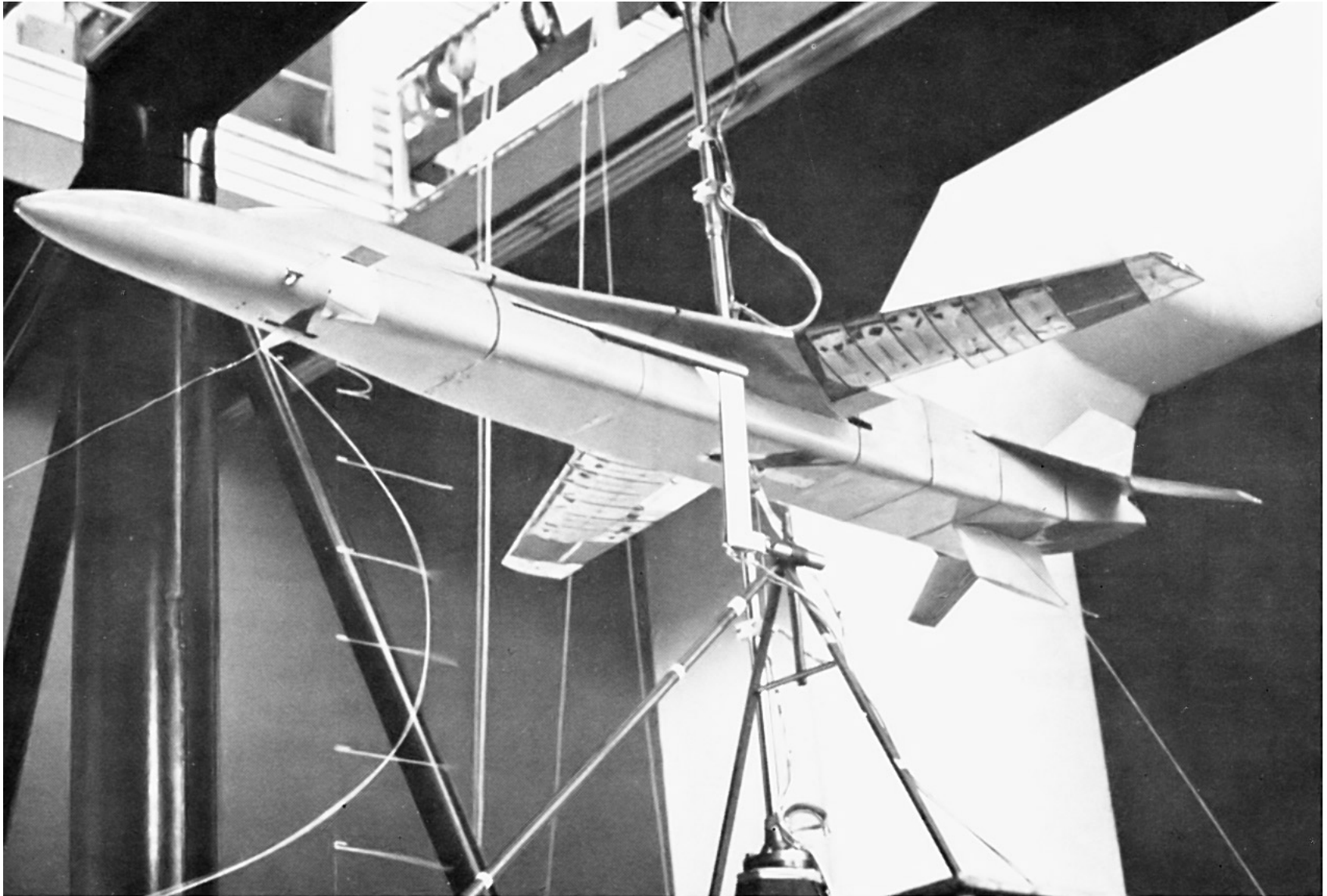


Foto by courtesy of DLR

In the years 1973 - 1976 the German Aircraft Research Institute DLR hat started investigations about the control of elastic aircraft models in a windtunnel.

The project was initiated by Dr. Peter Hamel. Staff members were Dr. Bernd Krag, Dr. Henning Subke and the author of this document, Gernot Hoffmann, who wrote his PhD thesis about the research.

Of course many others contributed - the mechanical and the electrical workshop, the windtunnel group, engineers for mechanical and electronics design and last but not least the secretaries.

Aim of the research was the investigation of control laws for the improvement of riding qualities of elastic aircraft in gusts.

At this time, the author was a member of the Technical University in Braunschweig in the Institutes for Technical Mechanics (Prof. Dr. E. Brommundt) and Flight Mechanics (Prof. Dr. G. Brüning). The simulations were supported by Dr. K. Andresen, head of the Mechanics Computing Center.

