From a steal-tube to a flying "crane-jib"!

the idea the enthusiasm the reality the problem the solution the aeroplane!

edy schuetz

the idea

An aeroplane, where flying a simple reality and the feels like in the beginning of flying.



Feel the nature..... Fly breezy!

the idea

Not every car driver with a lot of driving experience is a car maker! (like me in 1991) ... but ...



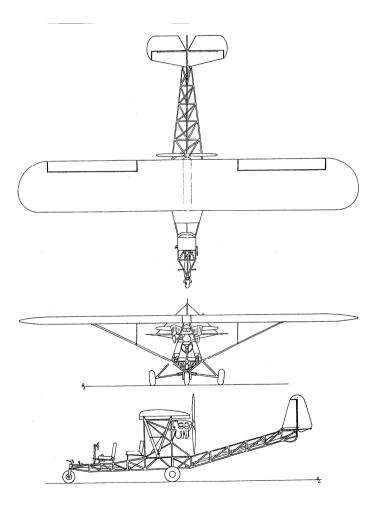
the idea

Remembering 1976, a swiss aeroplane that was real special!



the enthusiasm

After a lot of research, i discovered the kit in USA.



the reality

3D modelling was the basic for the hard work.





the reality

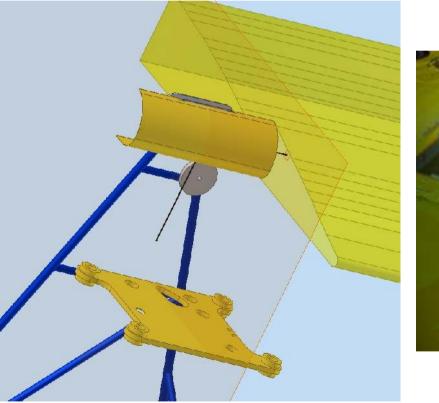
From the tube to the frame!





the reality

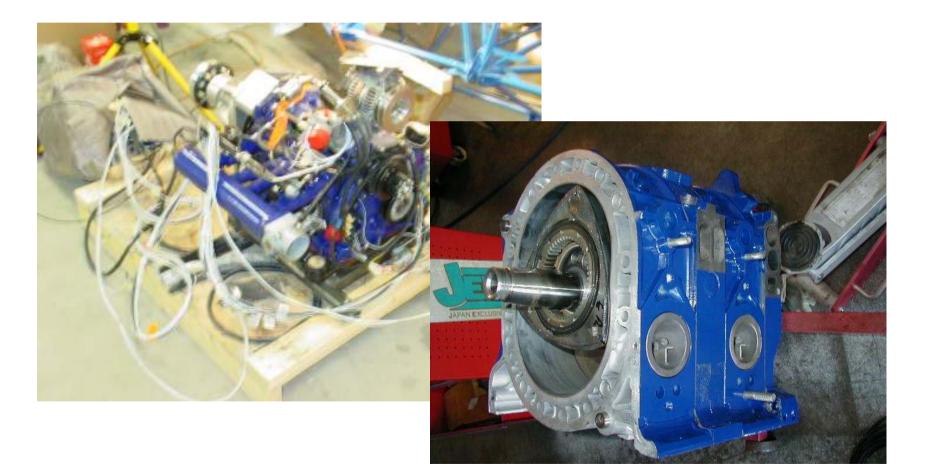
Not only welding is a hot job!





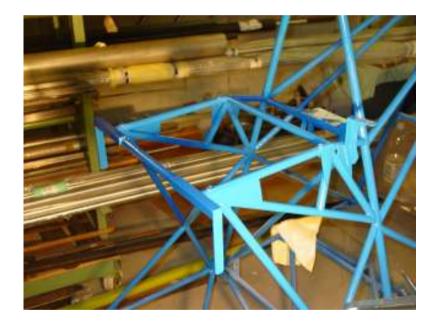
the problem

Rotary engine: Mazda Wankel 13B, 180 HP



the problem

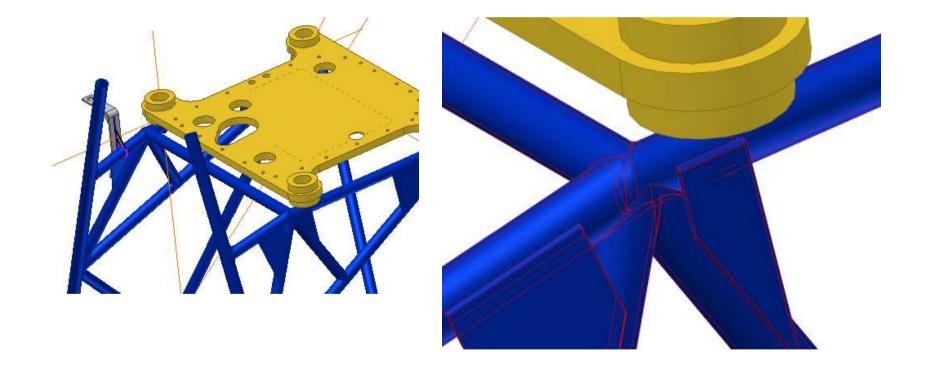
Calculation of the stength of the engine-mounting (Fg = 1400N , former 950N)



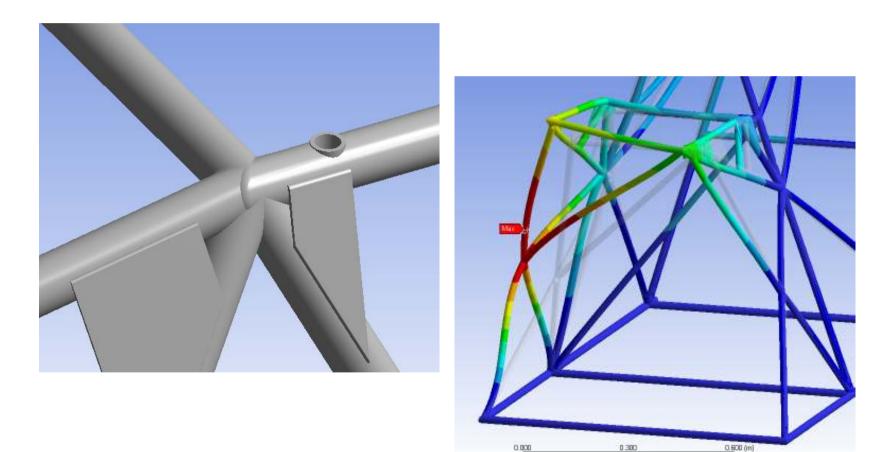


the problem

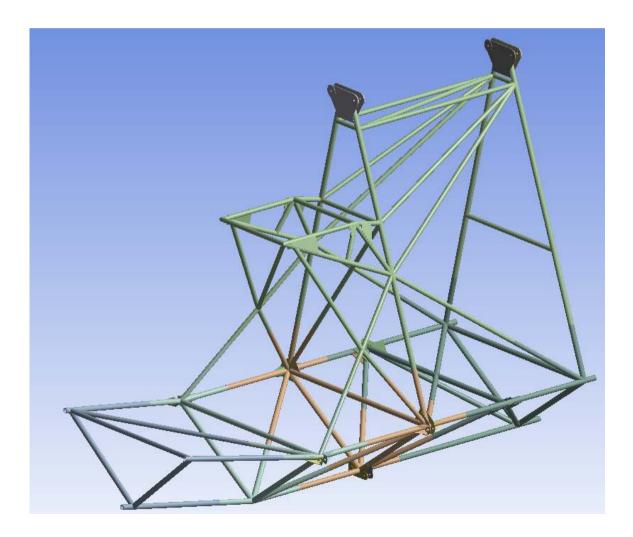
The 3D modell – the reality in FEM-tool "design space".



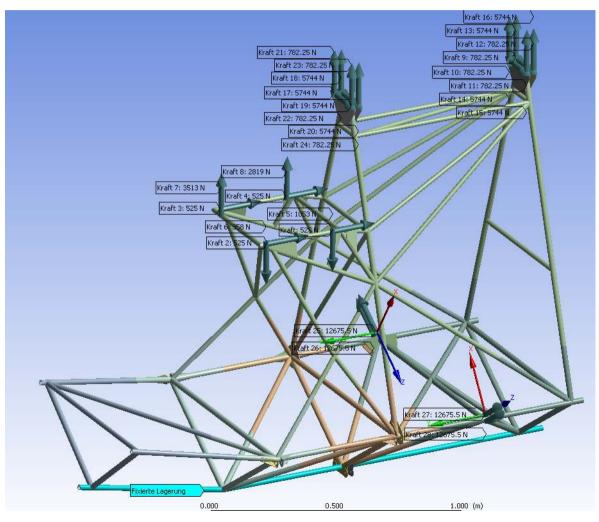
The perfect tube-construction of the engine-mounting.



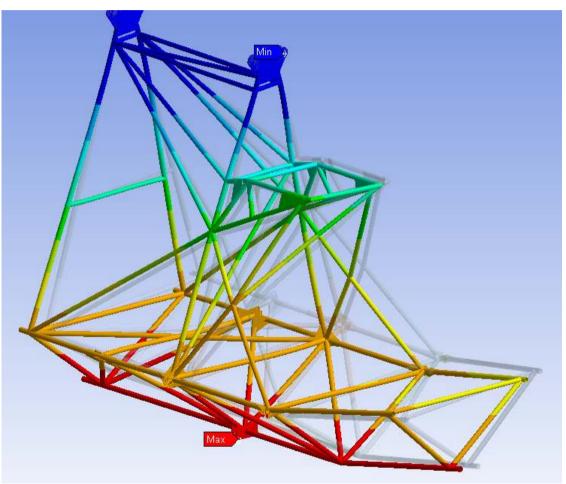
The modell of the fuselage, 3D CAD. (MTOW 1750 lb !)



The general conditions.



The deformation.



On ground with a bird watching.



Ready to go!



5 meter from the ground in the air!



First flight october 2006 near Zuerich, Switzerland!

