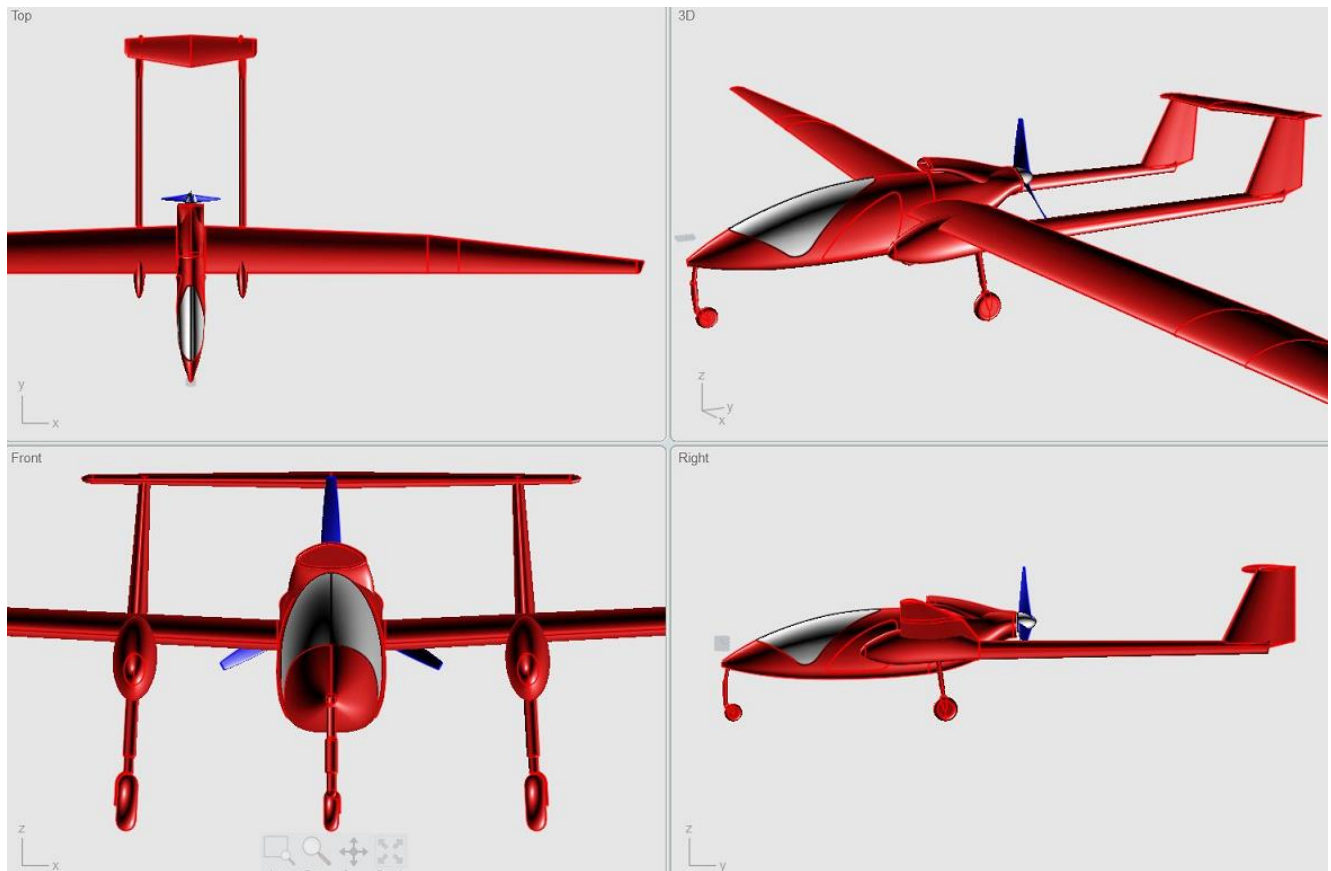


CA11 design for a highly efficient two seat touring motorglider



Technical data

span	22	m	
wing surface	18.29	m ²	
aspect ratio	26.5		
length	8.402	m	
span horizontal tail	3.17	m	
mean aerodynamic chord	0.91	m	
empty weight	644	kg	
tank load in wing 350 l 0,72=	252	kg	
max. flight weight MTOW	1042	kg	
max. weight of fuselage loaded	482	kg	
max. load factors	3.8/-1.52	at VA	
	3.8/-1.52	at VNE	
wing loading max.	57.0	kg/m ²	
max. speed for flaps (+15°)	150	km/h	
V.A	186	km/h	
V.C=V.RA	209	km/h	
V.NE	260	km/h	
V.D	292	km/h	
centre of gravity, CG-range	185-480 mm		
aerobatic flight	forbidden		
engine with turbo charger	Rotax 914F		
max. power	84.5 kW @5800 RPM	up to 8000ft	33.0 l/h
continuous power	73.5 kW @5500 RPM	up to 1600ft	27.5 l/h
reduction gear ratio	2.43		
propeller	MTV-33-A-175-200 hydraulic constant speed two blades		
propeller diameter	1.75	m	