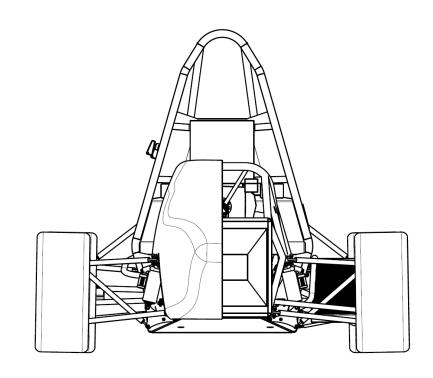


### A - Overall vehicle concept

Concept Class FSUK 23/07/2021



### Objectives

#### 1st electric vehicle: Pass the **Scrutineering** + **Finish** endurance

#### Focus on reliability

Event	Objective	Max pts
Cost Event	75	/100
Business Event	60	<i>l</i> 75
Design Event	80	/150
Skid Pad	30	<i>l</i> 75
Acceleration	30	/100
Autocross	40	/125
Endurance	125	/275
Efficiency	10	/100
Total	450	/1000



Event	Objective
SkidPad	5,3 sec
Acceleration	4,4 sec
Endurance	Finish



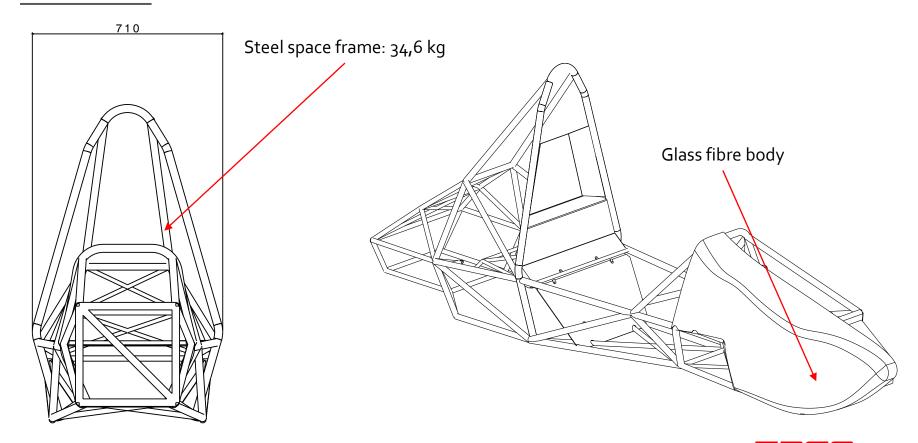
## The vehicle: Valkyriz

Electric powered Mass: 230 kg 2 Driven Wheels, 80 kW 13" Continental C19 No aerodynamic devices 2755





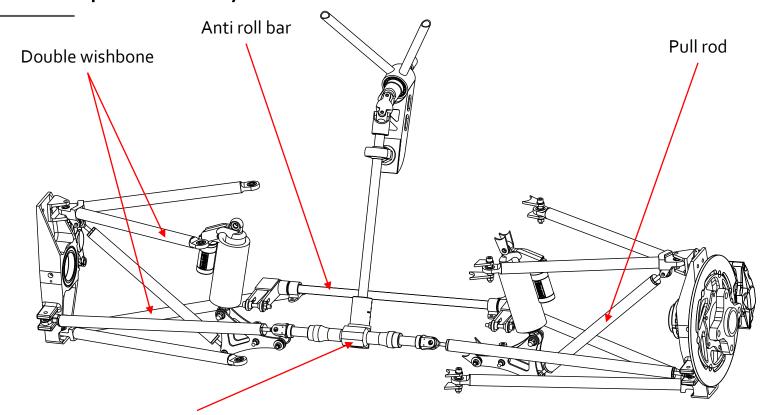
# Frame & Body







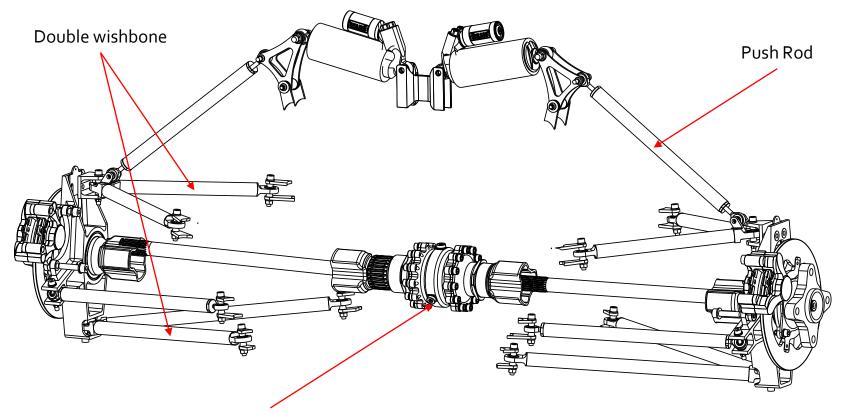
# Front Suspension System



Parallel steering system



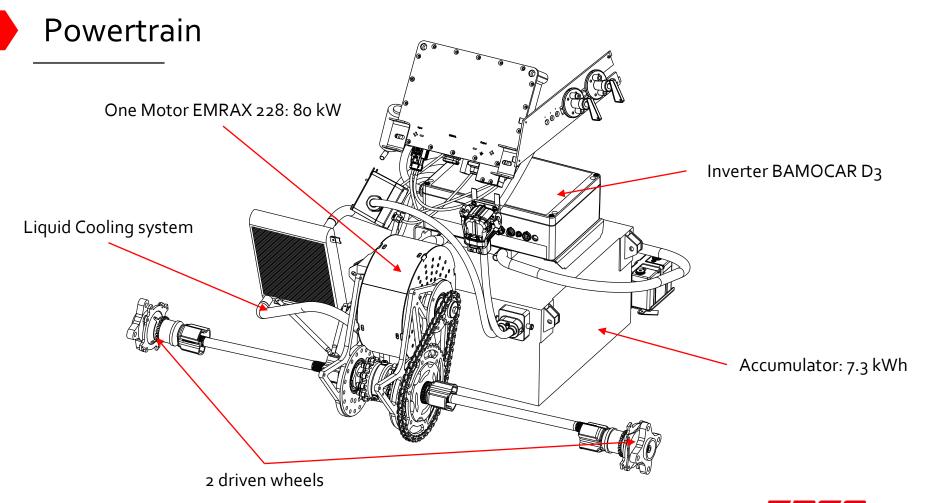
## Rear Suspension System



Drexler limited slip differential



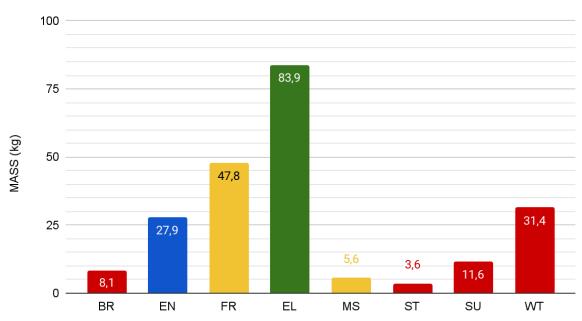






### Mass schedule

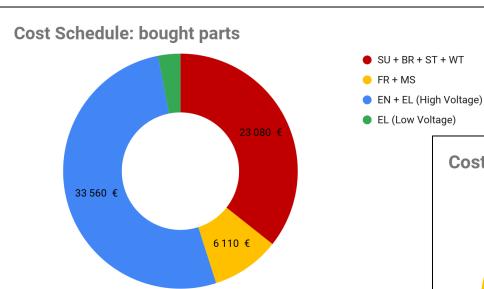
#### **VALKYRIZ - MASS**

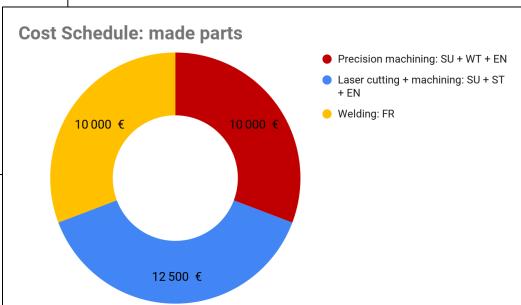


Total mass: 218 kg



### Cost schedule



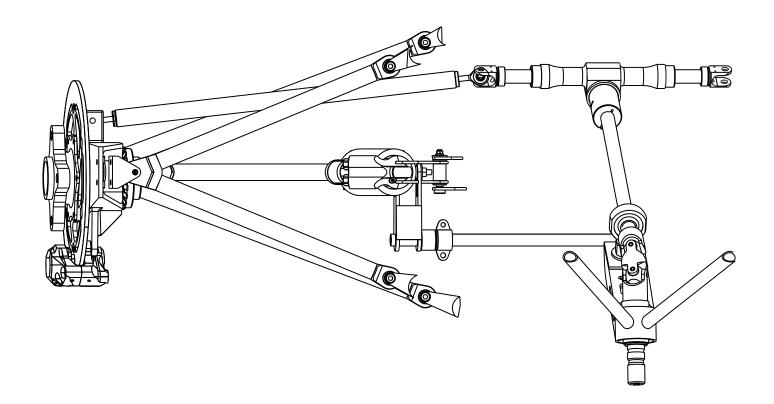


Total cost: 97250 € all taxes incl.



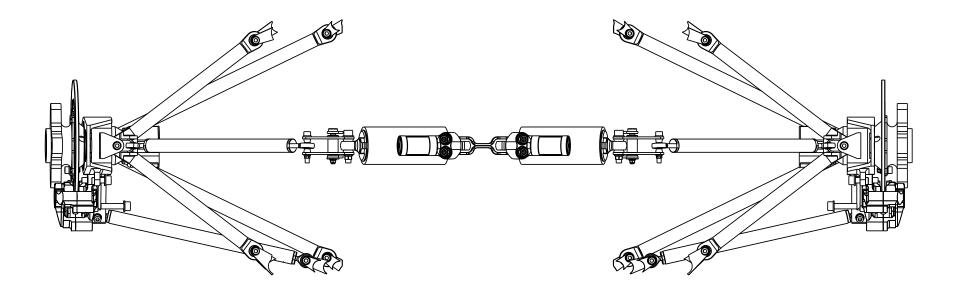


# Front suspension: Top View

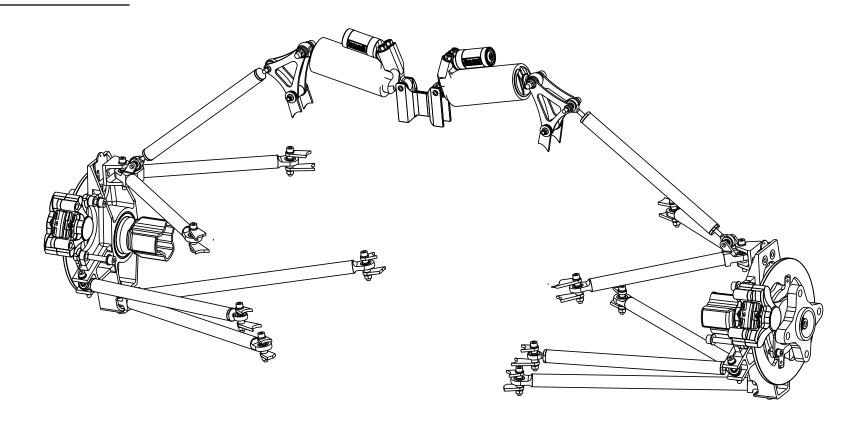




# Rear suspension: Top View

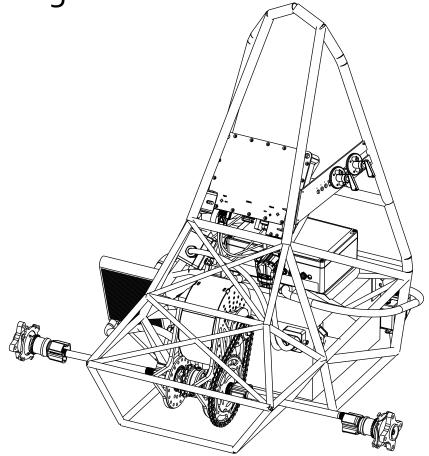


## Rear suspension system

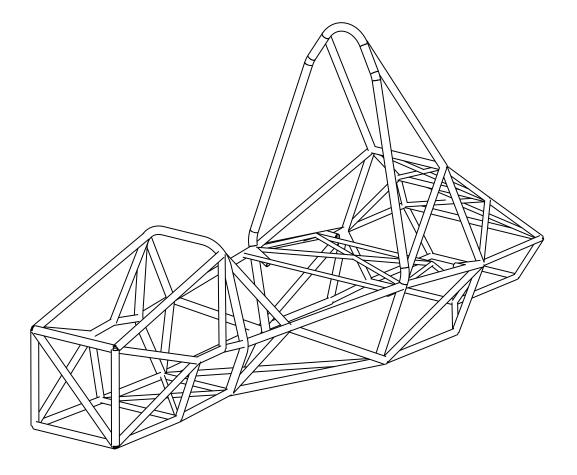




Powertrain integrated into the Frame

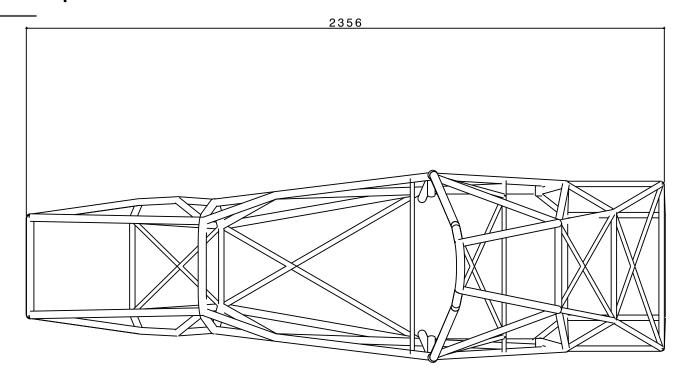


### Frame

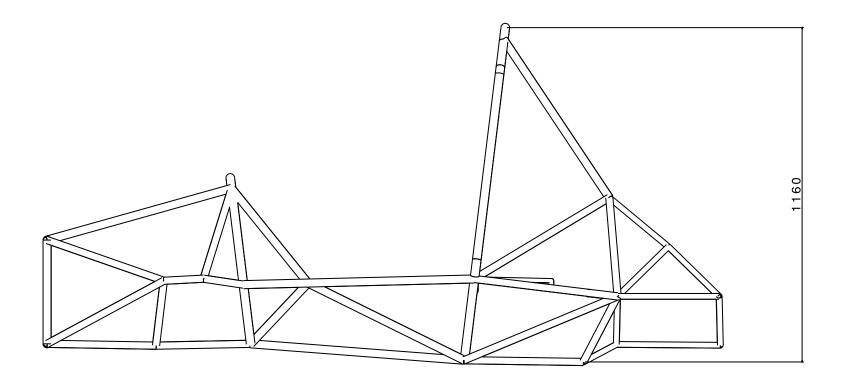




# Frame: Top View

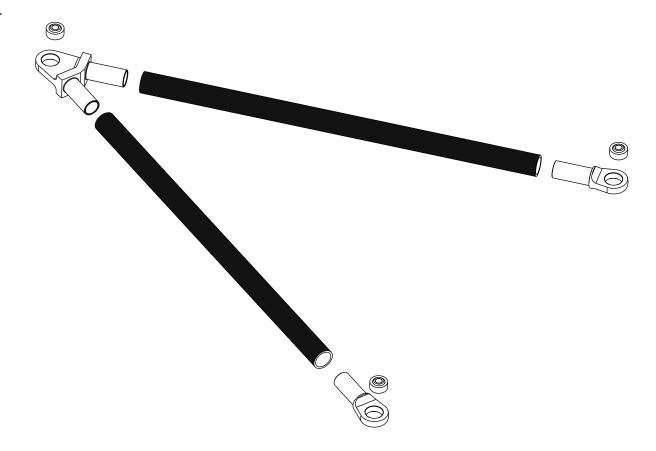


### Frame: Side View





### A-Arms





# Wheel Assembly

