

Ecole Centrale de Lyon – Car n°281

A - Overall Vehicle Concept

Design guideline

Provide a **safe** and **reliable** vehicle.

Objectives

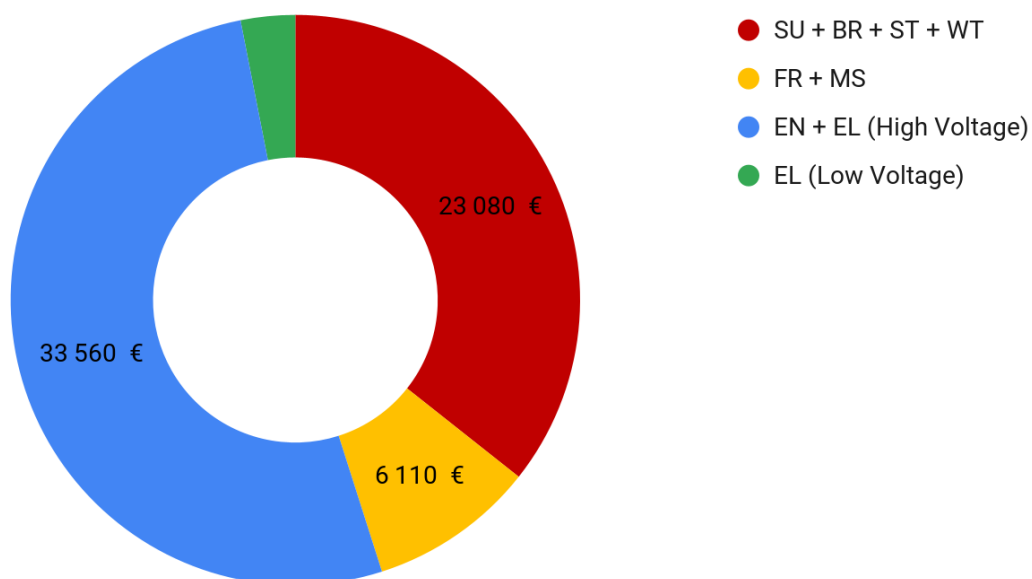
Event	Objective
Acceleration	4.4 sec
SkidPad	5.3 sec
Endurance	Finish

Main specifications

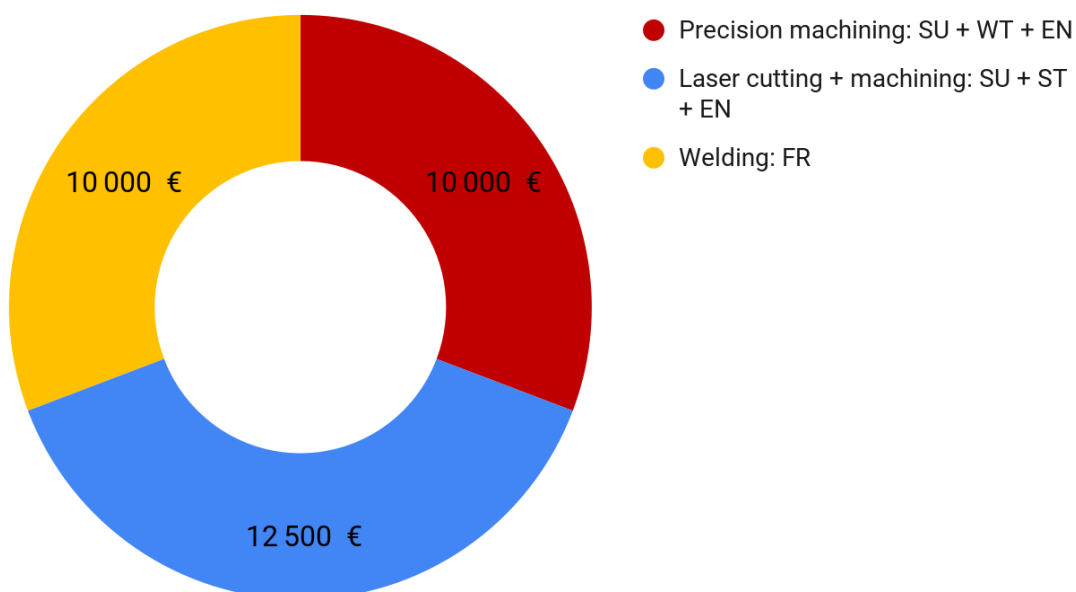
Event	Objective
Target mass	230 kg
Target CG height	290 mm
Frame	Steel space frame
Powertrain	2 rear driven wheels, one synchronous motor
Battery capacity	7.3 kWh
Wheelbase Track	1605 mm 1254 mm (front) & 1200 mm (rear)

Cost Schedule

Cost Schedule: bought parts

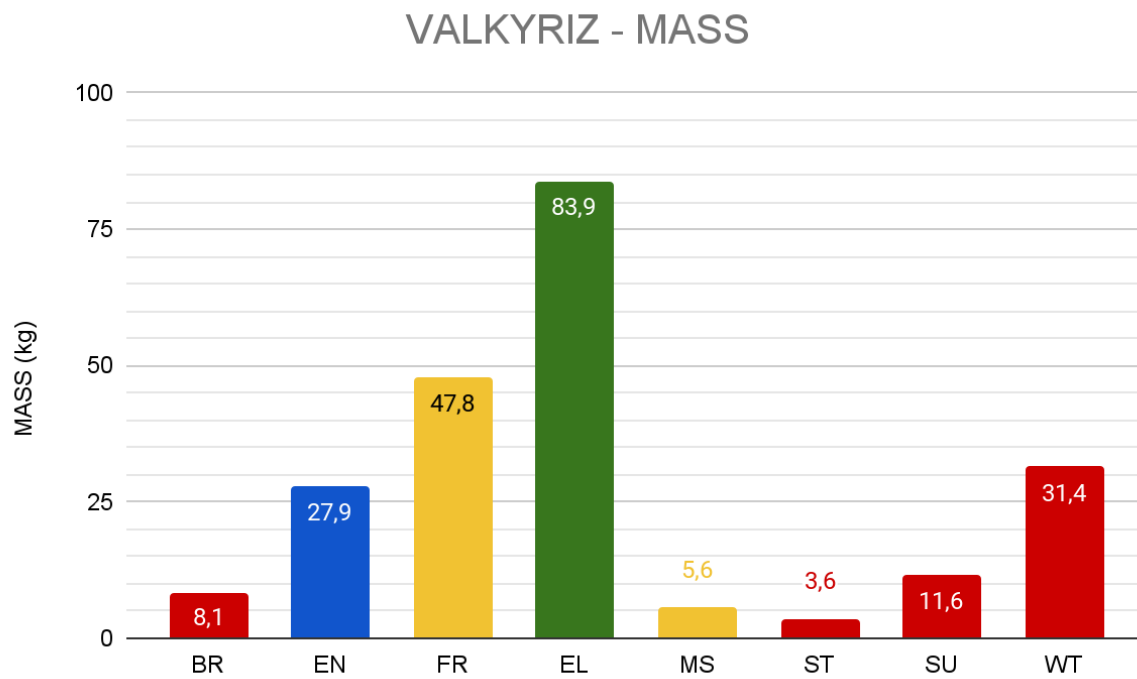


Cost Schedule: made parts



Total cost of the vehicle: 97 250 € all taxes incl.

Weight schedule



Total mass of the vehicle: 220 kg