# Cost report introduction

**NGO:**

Team manager

Optimus is the name of the 2019 car of our FS team called Ecurie Piston Sport Auto (EPSA) from Ecole Centrale de Lyon (France). After studying the rules, the team decided to design and build a reliable, high-performance car with a reasonable budget that would satisfy an amateur driver and obtain a good ranking in the Formula Student competitions. The resultant vehicle weight is 215 kg. The car is based on a tubular steel space-frame chassis, powered by a four-cylinder internal combustion engine combined with 13" tyres without aerodynamic features.

I will now let Aurelien, our cost report leader, introduce you to our cost calculation.

**ABR:**

For the cost calculation, we simulated a company sized to be a prototyping shop, able to manufacture and assemble most of the components of an FSAE car.
Here is the spatial organisation of the workshop. There is :
Offices for marketing, production support, …
A 3 axis CNC milling station
A CNC turning station with Y axis
A conventional mill and lathe
A CNC laser table
A welding station
An assembly station
A metrology lab
CAM workstations

So today, to talk about the cost report, we have
Jacques, the head of frame department
Bob, head of electrical department
Michele, responsible of wheels manufacturing
Thibaud, responsible of the intake system