

# Plan of approach

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## Introduction

We are going to build a small solar vehicle (SSV) with the most efficient use of energy coming from the sun. This project started out commissioned by our teachers at Groep t. One of these teachers, Than Ye to be precise, will be our mentor and will help us when needed and evaluate our work and results from time to time.

## Occasion

The reason we make this plan of approach is to have some kind of contract between us (the executers) and the client we are building the SSV for, in this case the Umicore Solar Team.

## Goals

Our main goal is to build a car with the highest possible efficiency, meaning it has to be capable to use as much energy drawn from the sun as possible to use as energy for the SSV to move. So we must compute the perfect weight and shapes to achieve this goal.

## What do we have to do

We have started by finding a name and a logo for our team. Then we gave every member of the group an administrative function like file manager etc.

When all that was done we started planning the project using a gantt chart and a WBS, this gives us a good overview of what has to happen.

When the plan of approach is approved we can start our research and execution of the actual SSV. In this part again everyone will have his own function, some will be responsible for bodywork others for the motor etc.

During the whole projects there will be some test drives to find the bad parts so we will be able to adjust those parts before finishing and hand in the SSV to the client.

## How are we going to do it

If we want this all to go well we will have to set deadlines and make agreements amongst each other like everyone's responsibilities.

It is not all about the building, that is just a part of it. We also have to think about how much all of this is going to cost, which costs are useful and which ones are a waste of money for example.



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Time management is also very important, before we start building we must find what we need and how long it will take to get those things. Then we can plan what we have to do first and what is less important to start with.

The gathering of information is something what will determine the quality of the project to. It is important that we have good and sufficient information on everything and everyone must know all the information so we all know how everything works.