



SAIL CAR - AN EPS@ISEP 2019 PROJECT

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SAY HELLO TO SAILO!

WIND SENSOR

Gives information about the direction of the wind to microcontroller for positioning the tail.

RIGID SAIL

Hard sail, reinforced with wood, covered with PVC. Sail is self-correcting towards the wind direction. Offers higher speed and more performance than a soft sail.

JOY- STICK

For manual control of the tail. In manual mode the microcontroller gives information for tail position based on the movement of the joystick.

SERVO- MOTOR

Controls the position of the tail, based on information from microcontroller. The servo uses two aluminium rods to change the position of the tail between 0° and 40°

TAIL

By moving the tail, all of the wing goes into motion. This attribute allows the servomotor to turn the wing with lesser effort.

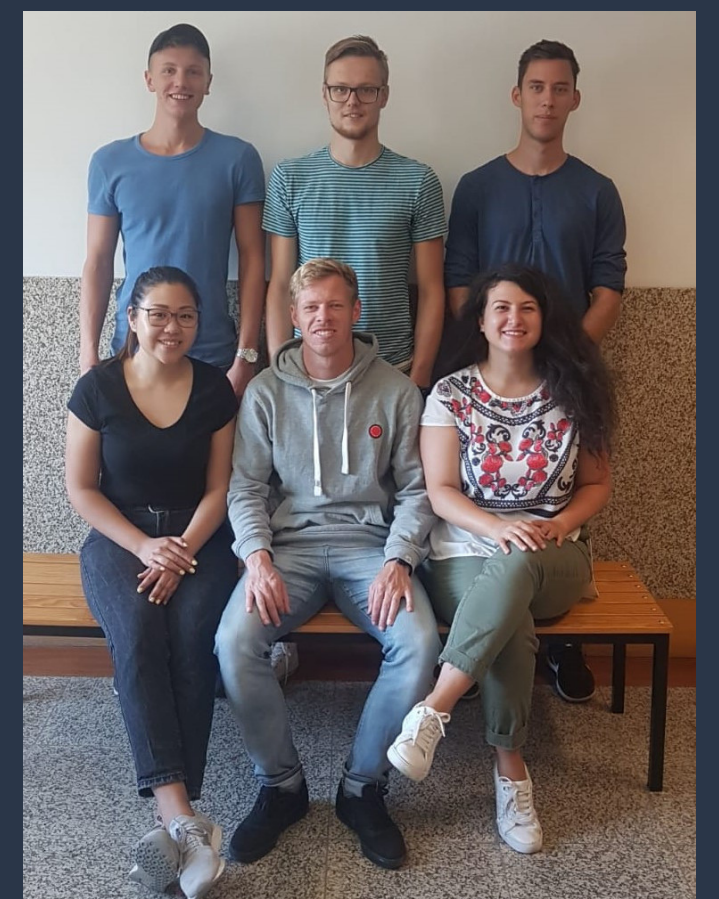
MICRO- CONTROLLER

Head unit for all of the electronics used in the project. Gives an opportunity to use the land yacht with automatic sail control. Also provides a manual sail controlling experience.

INTRO- DUCTION

*Sail Car team consists of six **Erasmus** students, who participated the **EPS@ISEP** at spring of 2019. The objective of the project was to **design and develop** a wind-powered **land sailing vehicle**, which would use the benefits of technology to be **self correcting** and easy to drive.*

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