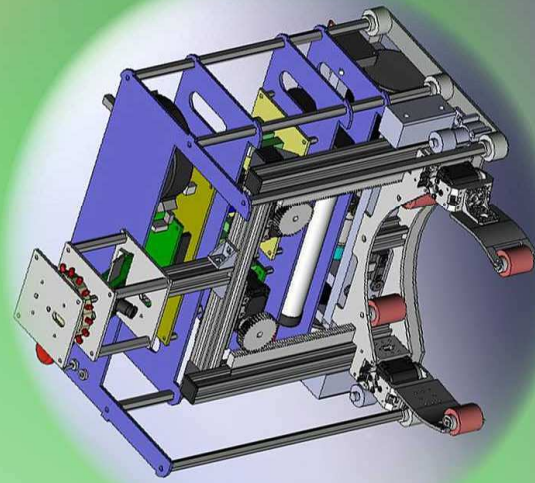


Moving

The robot moves with two CC motor FAULHABER. The robot moves with two CC motor FAULHABER, managed by an FPGA), by free wheeler encoder (managed by the rest of the work done since the creation of this year is to validate all the work done since the creation of the club. For further informations, feel free to visit our website or to send us an E-mail.

They are bonded in position (x, y, alpha) by a microcontroller PIC32. The power is distributed to the rest of the robot.

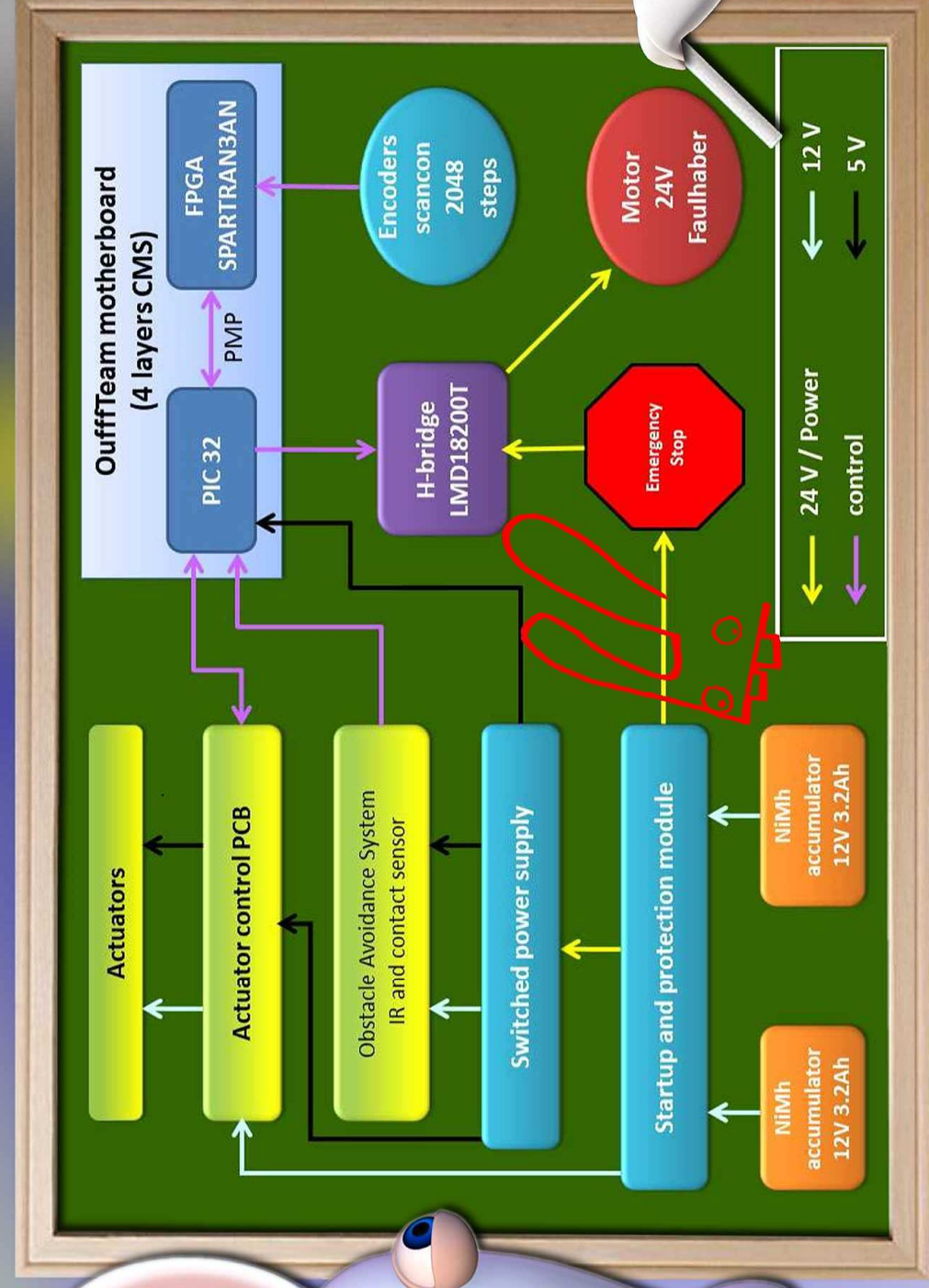
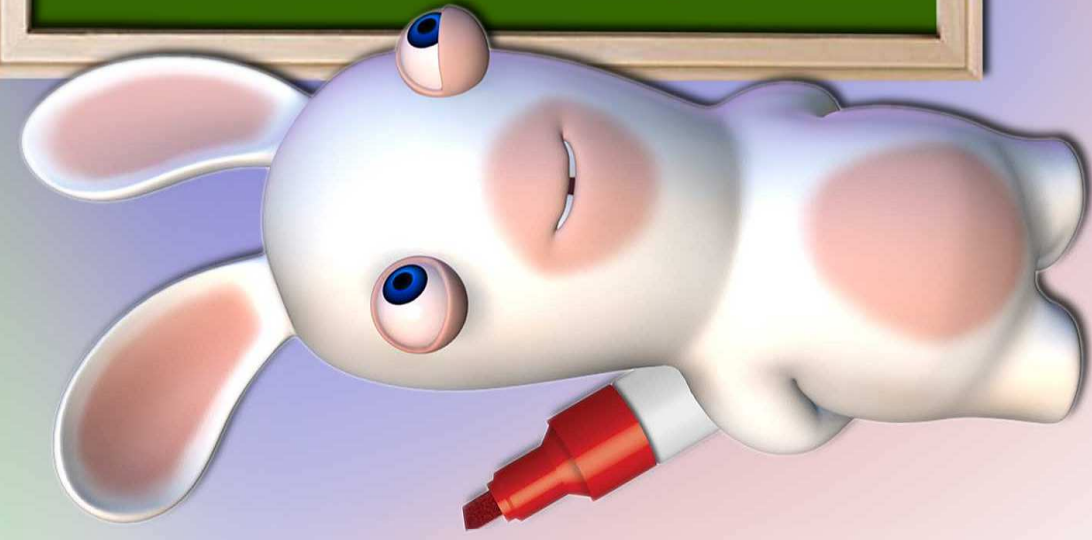
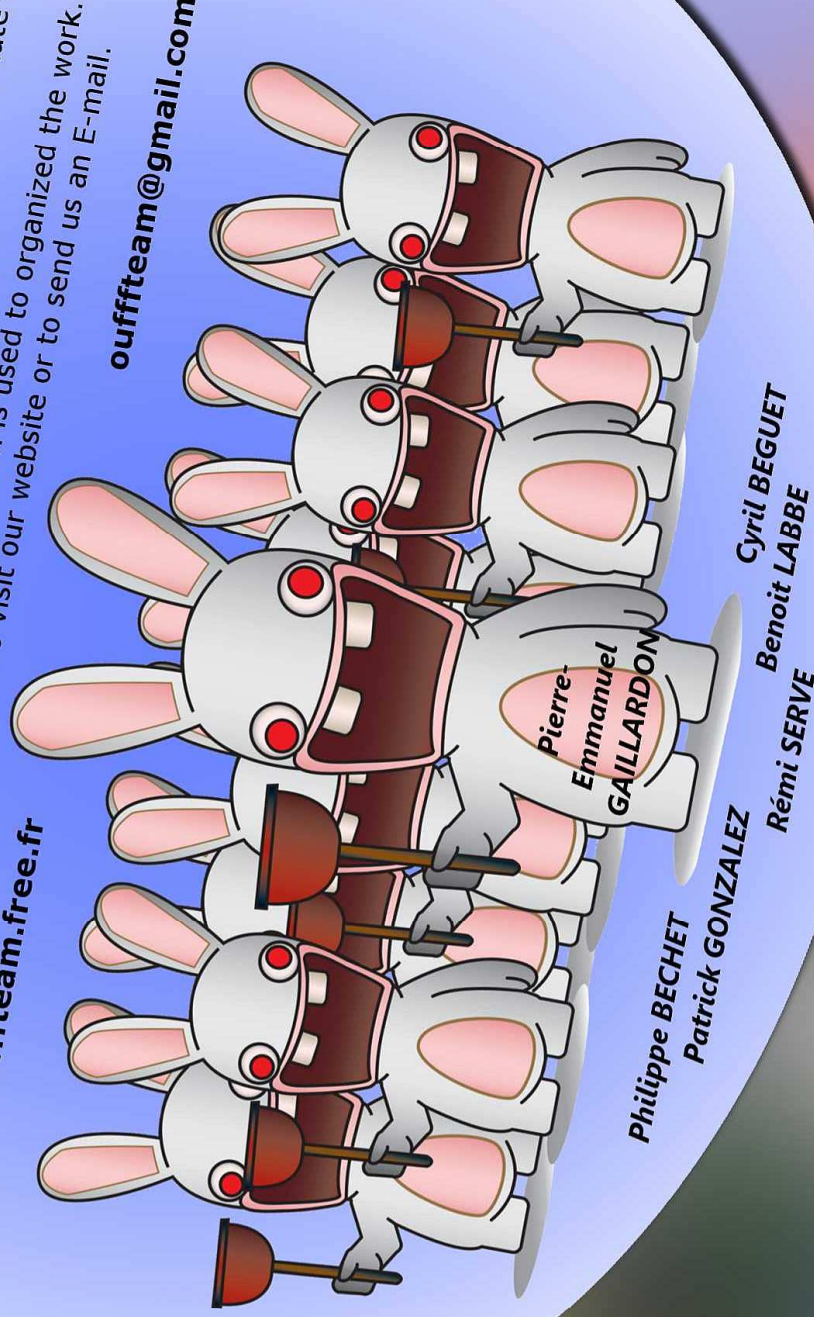
The power is provided by two 12V NiMH accumulators.



The association

The Ouffteam was born in 2007. After four years of development and adjustment, the goal of this year is to validate all the work done since the creation of the club. For further informations, feel free to visit our website or to send us an E-mail.

<http://www.ouffteam.free.fr>



Al.

The intelligence is located on a PCB developed and programmed by the team. It is based on a microcontroller PIC32. A real-time OS, ILC-OS/IT, is used to calculate the displacement of the robot and to realize the interface with the hardware.

The strategy

Our strategy is divided into two parts:

The first objective is to use our articulated arms (with suckers) to store the coins and bullions into the captain's room.

If we have enough time, we will try to throw the bottles into the sea and discover the treasure map at the end of the game.

And as we are friendly pirates, we will not attack the competitor's ship.



howto move:

Turn (right),
Turn (left),
Go (staight forward),
Turn(back),
Shout out (bwaaaaahhhhhhhhhhh);

The robot figures

- 2 x 20W : this is the power of our motors,
- 5 years : the age of the association,
- 6 : number of members,
- 1000 : number of kilometers driven by the member during "days of robotics",
- 30 000 : this is the amount of lines needed to move the robot,
- and millions of neurone during long days of robotics.

