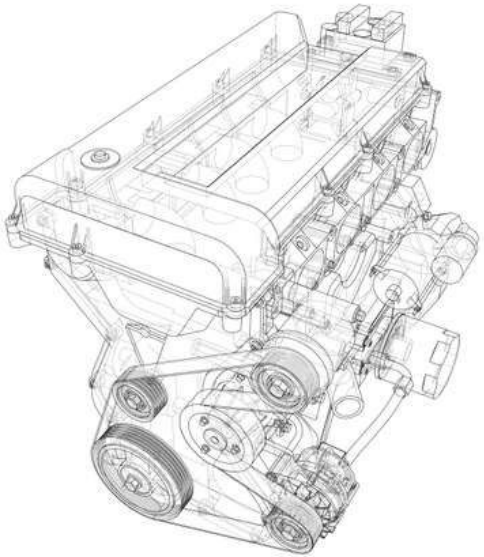
Robotic workshop

with Lego Mindstorm EV3

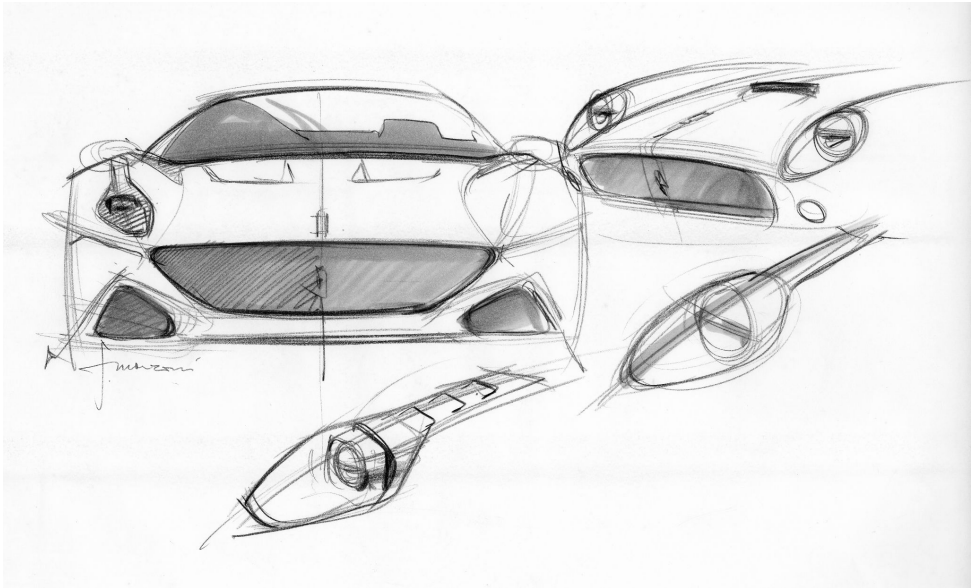
"Discovering my STEAM vocation" - Erasmus+ project - C3 Italy

Robotic competition: 2 awards

Most efficient robot:
best job with less codeblocks

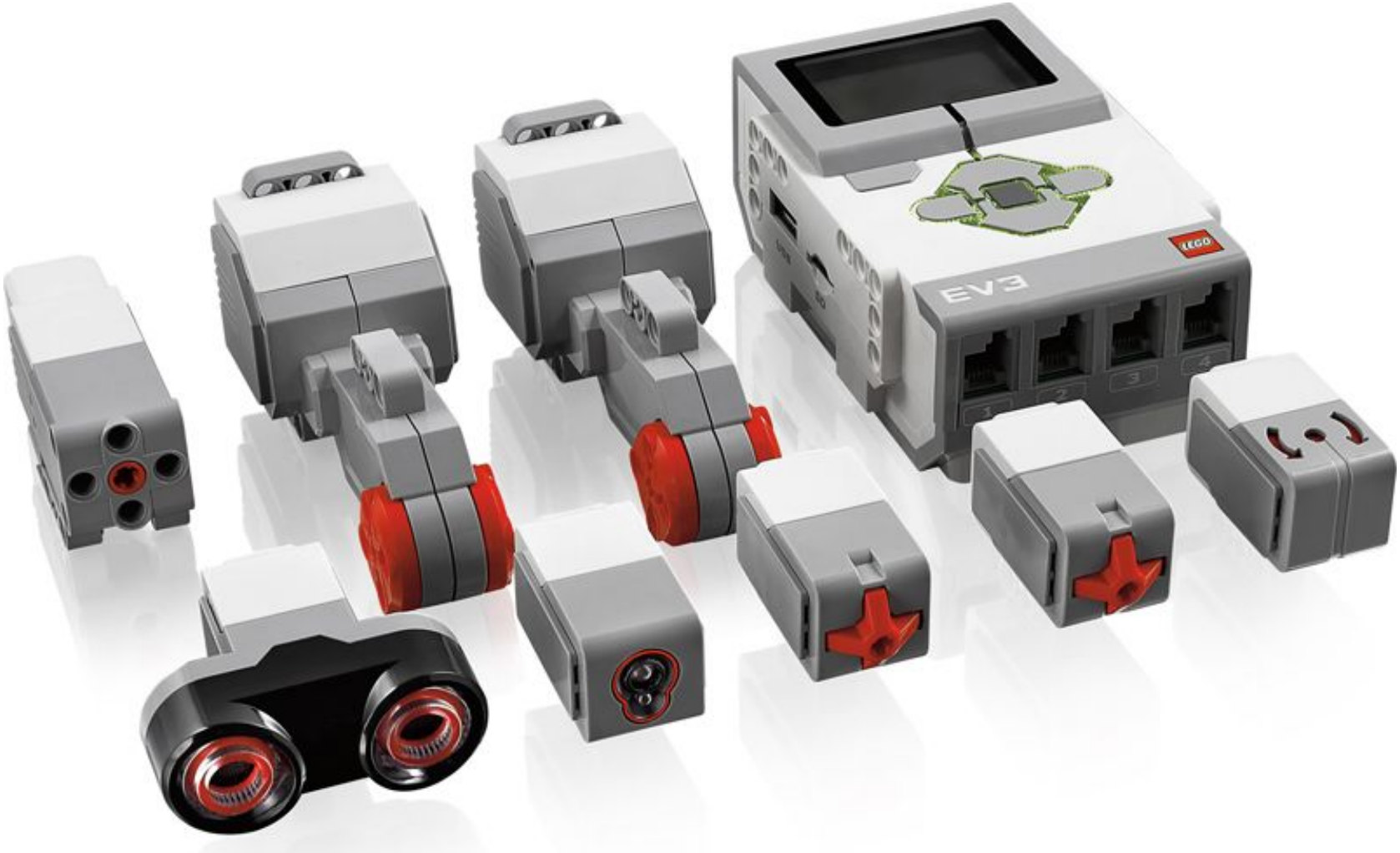


Most fascinating design:
use pieces of the kit, cardboard,
colors, tape, but first of all fantasy

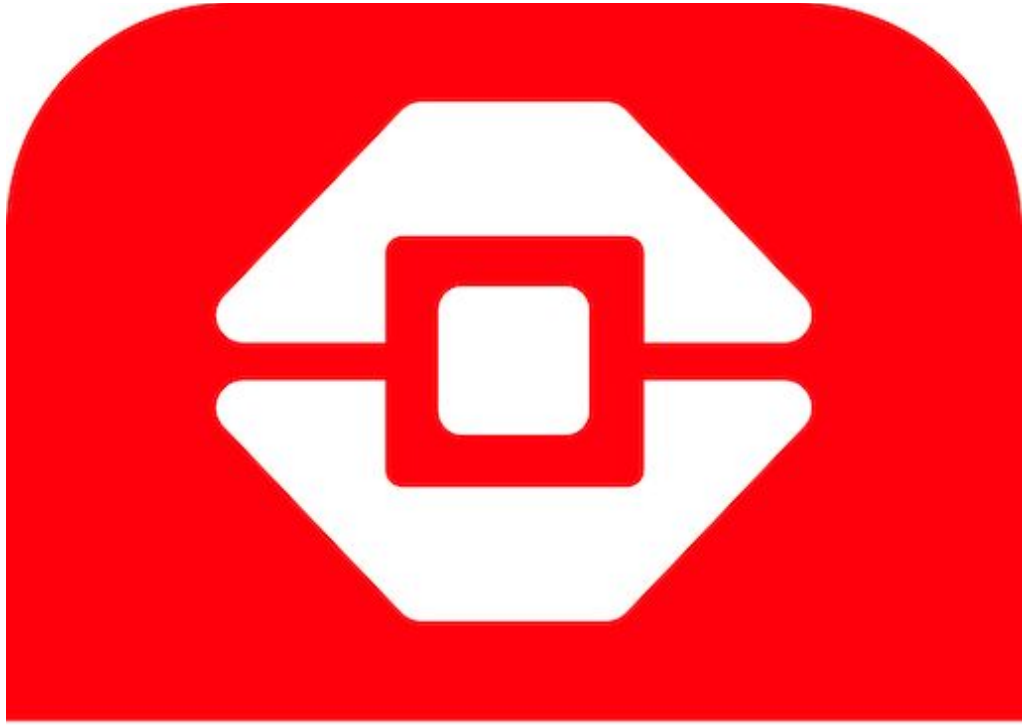


EV3

USB
SD
EV3
1
2
3
4


EV3
LEGO

EV3



LEGO education

PC
D
C
A

Today's challenge

Program you robot to do these actions

1. Move exactly 50cm
2. Move exactly 50cm and turn 90° right
3. Move forward until it comes within 10 cm of an obstacle, then stop motors, rotate 180° and go back 25 cm
4. Walk a square of 50cm side and return exactly to the starting position. Can you do it with less than 5 codeblocks?
5. Like point 4, but start only when sensor button is pressed