5 minutes presentation

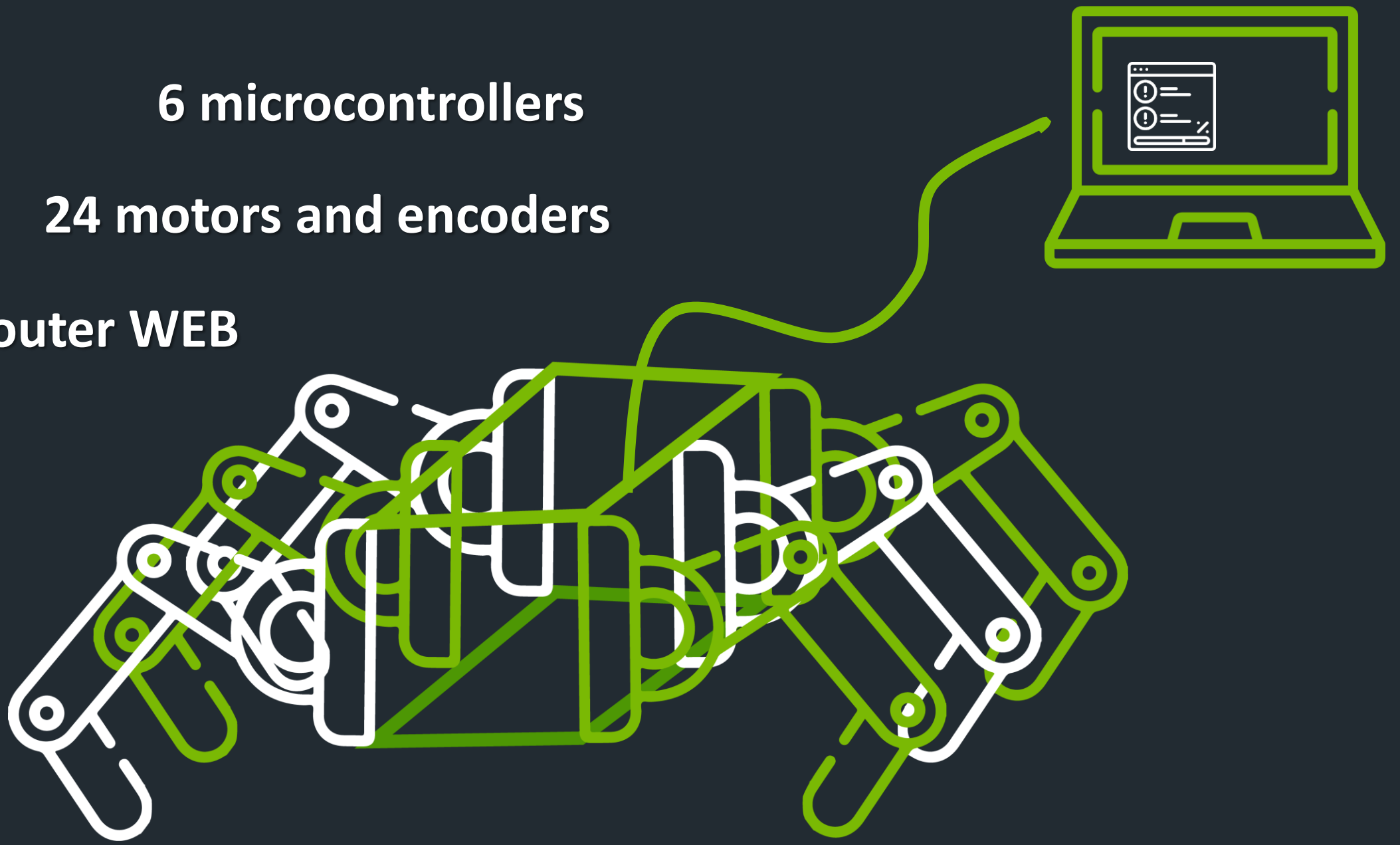
Robot Rhex Project

BERGERON Jeremy – ROBERT Clara – GARD Romain – RATSITOHARANA Tsinjo – BOUREE Mathieu

6 microcontrollers

24 motors and encoders

1 router WEB



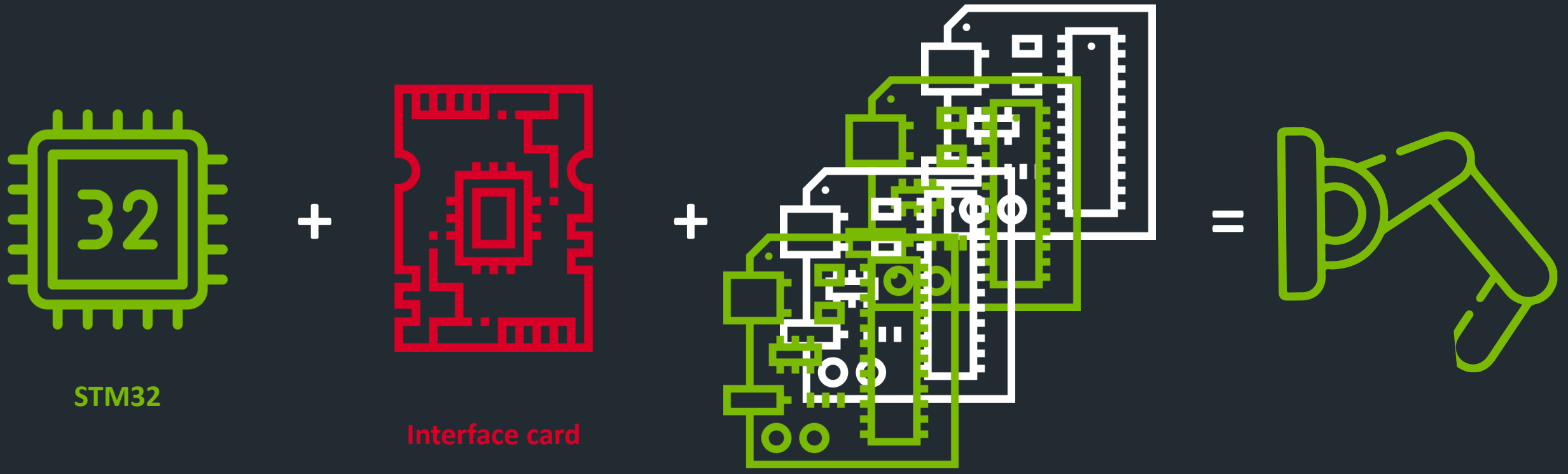
Difficulties

Understand the previous project

Departure of one member

No cards allows for test

The electronic Shield



STM32

Interface card

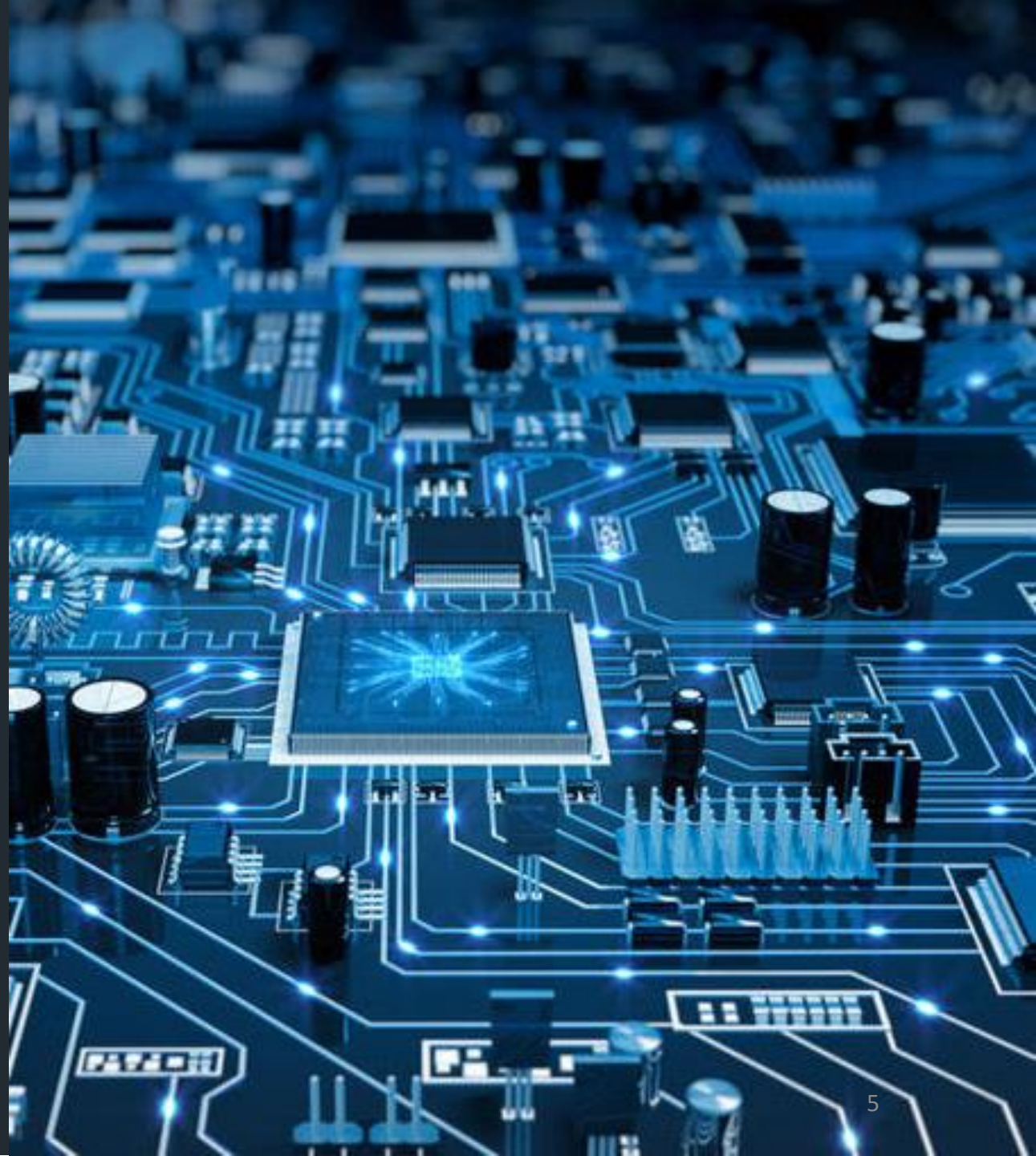
4 power motors cards

The code

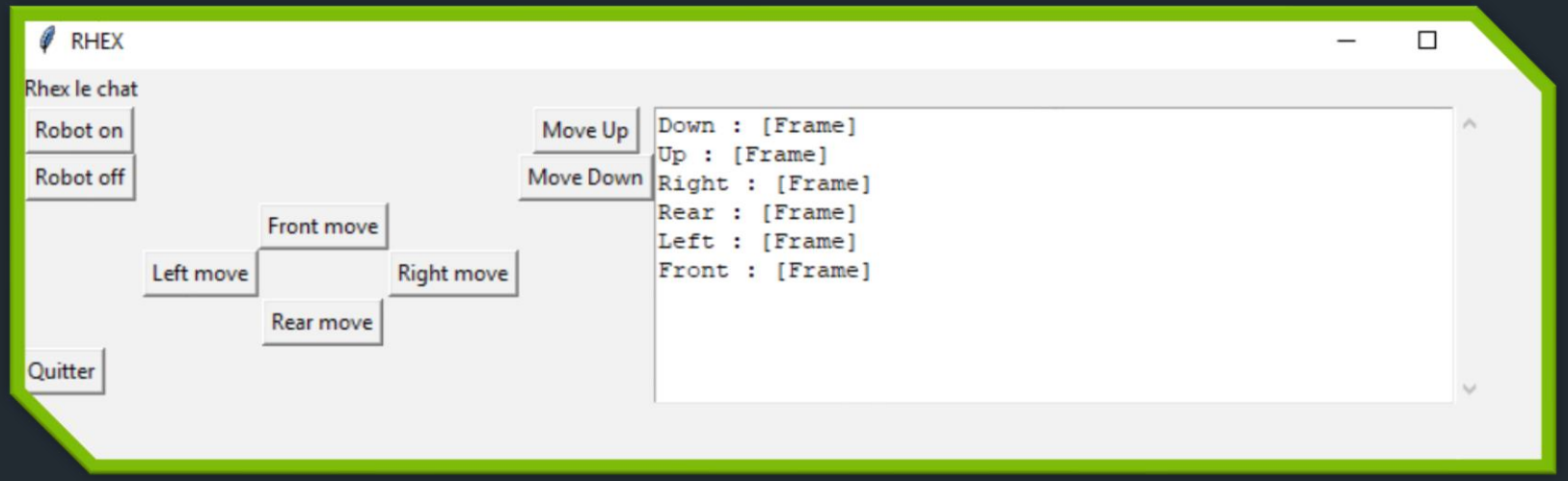
Free RTOS optimizations

CAN Controller

System security

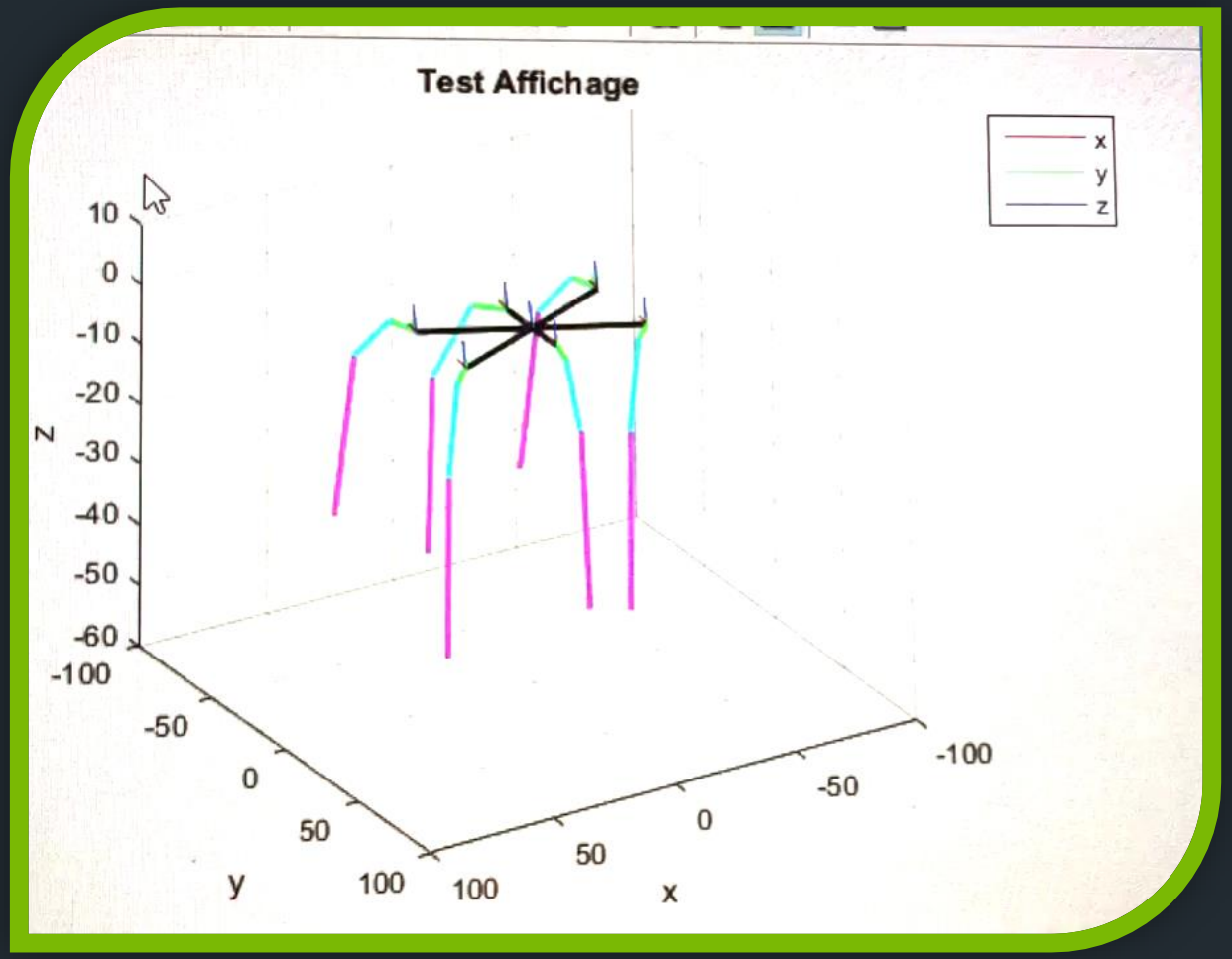


The control interface



Simplicity **Clarity** **Debug possibilities**

The movement simulation



How to make Rhex go straight?

Joints 1, 3, 5

Joints 2, 4, 6

How to make Rhex turn?

Joints 1 and 6

Joints 2 and 5

Joints 3 and 4

Conclusion

CONCEPT
NO
FAIL
STRATEGY
PLAN
TEAM
HAVE
REALESATION
AND THEN...
2x
45% is SALE!
innovation
15% - ???
MARKETING
A. B. C.
idea
plan
activities
analisis
team
CLOUD
PRODUCT
A. LUCK
PURSUIT
A. 640.320.00
B. 144.000.00
C. 286.000.00
D. 255.500.00
E. 540.000.00
RIGHT NOW DOWN
25% time
CONSUMERS
INTERNET
SUCCESS!
THINK OUTSIDE THE BOX
€ ≒ % ≒ $
WORK
motivation
75%
LOADING TO SERVER
main
A. ASIA
B. INDIA
C. USA
MAIN
300
2000
100%
25%
75%
50%
success

Thank
You