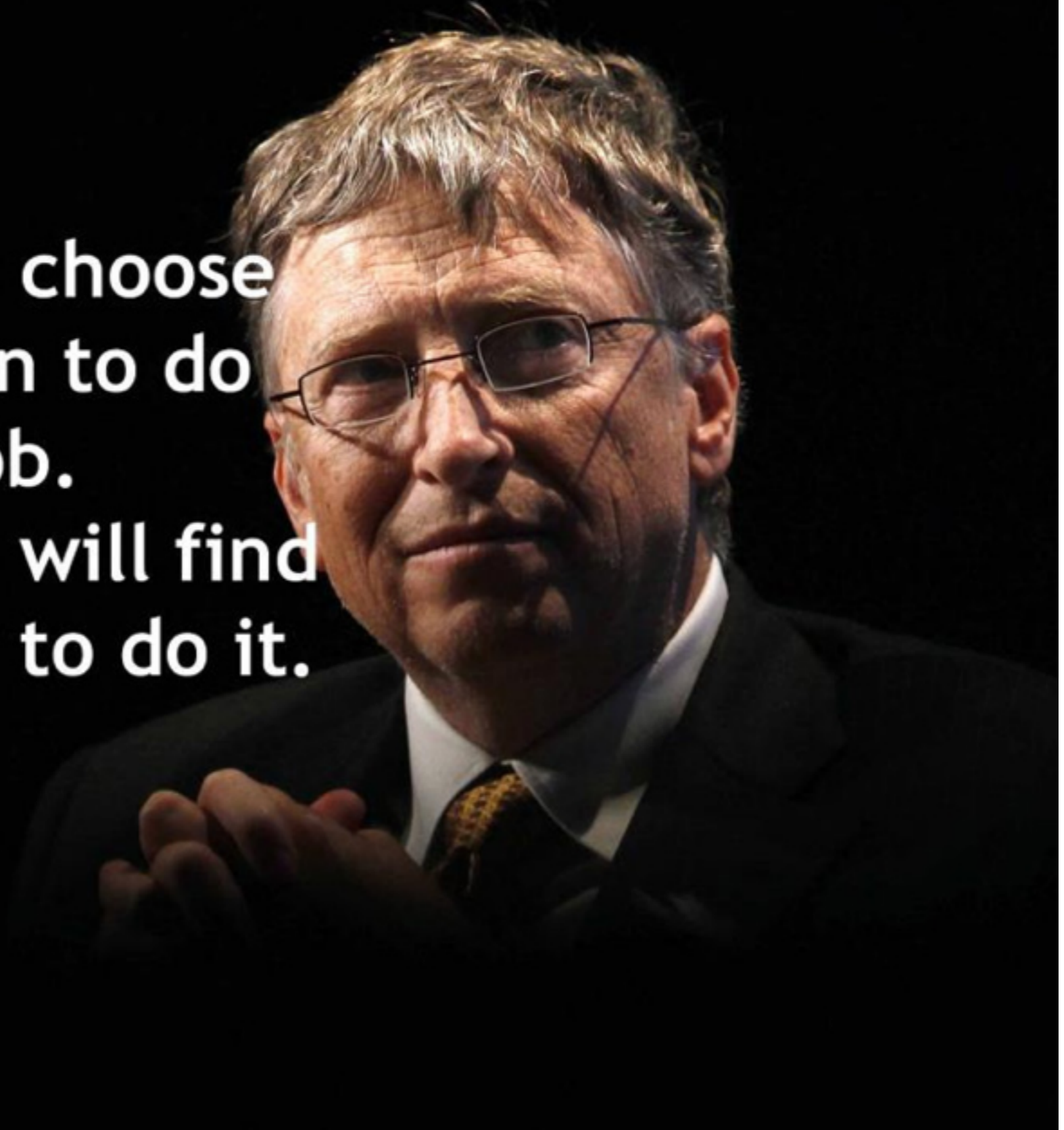


# **CONCLUSIONS**

## **when choosing platform**

**1) Very application specific**

**I will always choose  
a lazy person to do  
a difficult job.  
Because, he will find  
an easy way to do it.**



**You want 20 Square Signals (PWMs) that have a phase shift of 4 ns and a jitter of 12 ps**

**You want 20 Square Signals (PWMs) that have a phase shift of 4 ns and a jitter of 12 ps**

**FPGA**

# **Control a motor using one PWM**

**Control a motor using one PWM**

**Microcontroller**

# **Demanding video processing**



**Demanding video processing**

**SOC (FPGA + ARM  
running LINUX)**

## **2) Satisfaction in fast-development**

**3) Easy to find a developer**

## **4) Portability**

Some people think scientists exclaim

Eureka!



When doing experiments.

But they're way more likely to say...

Bollocks!



oh...shit!



F\*ck!



Arse!



Stupid piece-of-crap machine!



I hate Science!



# Thank you!

- Manoel Barros-Marin
- Ton Damen
- Andrea Borga
- Peter Jansweijer
- Patrick Spieler

Do you want to get  
involved in the next year's  
SOC Lab?

Check the git repo: [https://github.com/lupusorina/isotdaq2017\\_soc\\_lab](https://github.com/lupusorina/isotdaq2017_soc_lab)  
and let's talk!