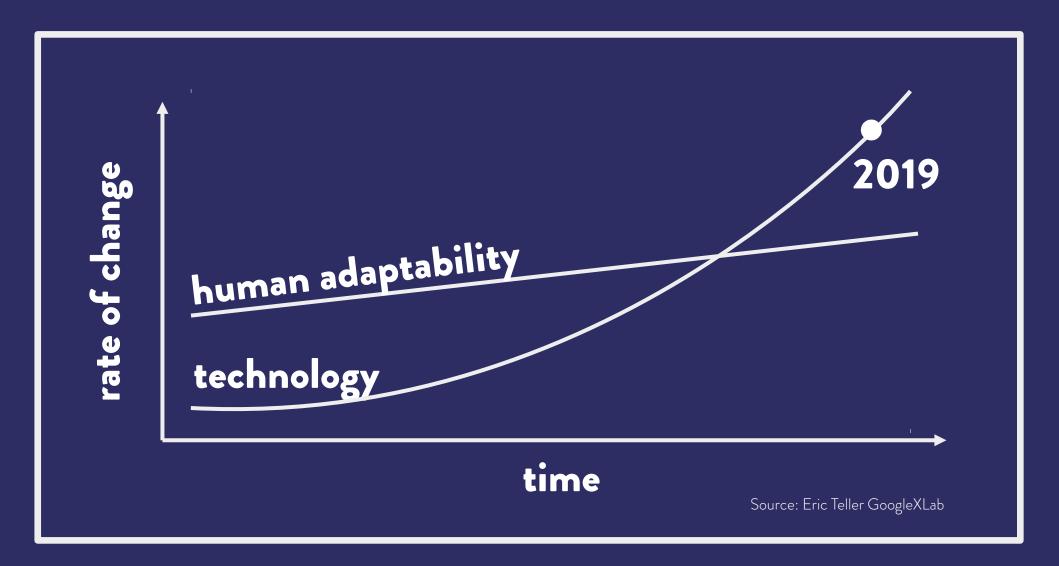
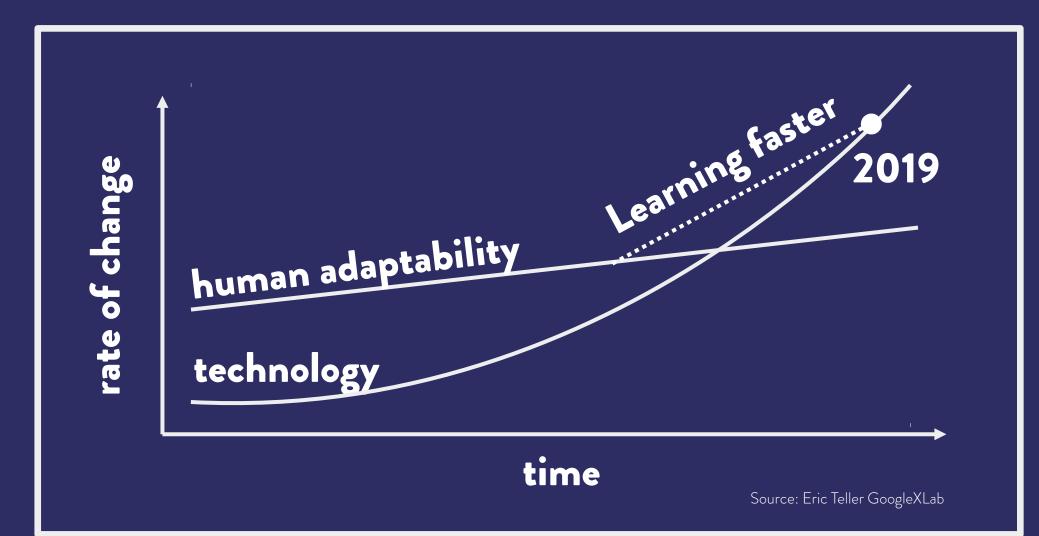
# build your own robot



# why are robots important?

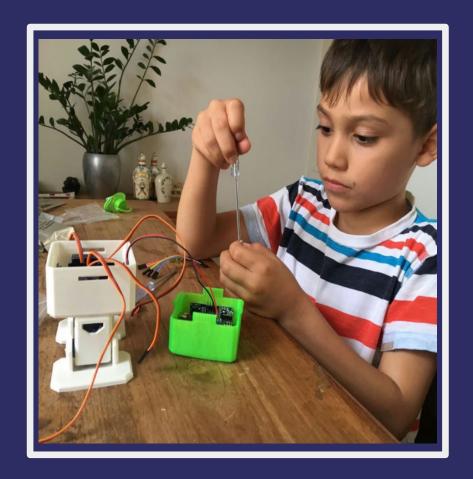






## have you ever built your own robot?

The best way to avoid being replaced by a robot, is to become the robot maker. In the past you needed to be an engineer to do that. Not anymore.

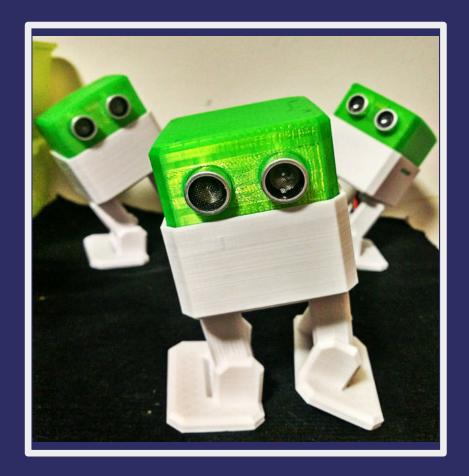


### build your own Otto in 1 hour!



### who is Otto?

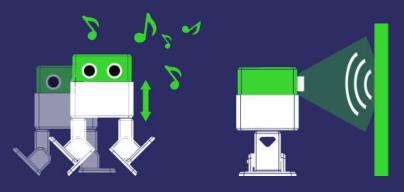
Otto is an interactive robot that anyone can make.

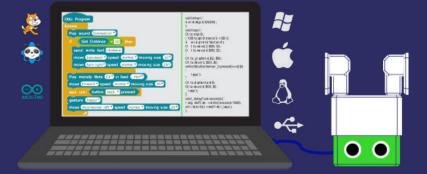




### what can Otto do?

#### DIY





```
when Clicked

repeat 10

move moonwalker left v speed 1000

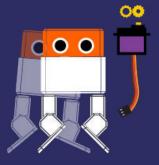
gesture Happy v

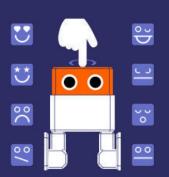
Play melody Note C4 v in beat 1/2 v

Sing Connection v
```



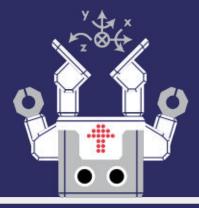
#### DIY+

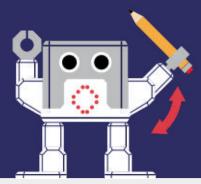


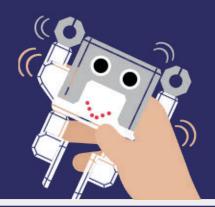




#### HUMANOID







## truly open source hardware

#### open source

- access to all source
- NO vendor lock
- FREE copy & remix
- community driven

#### open recipe

- recipe is shared online
- universal ingredients
- FREE cook & modify
- publish new variant



By sharing openly our knowledge, we enable everyone in the world to build robots.

#### Otto builder community 2500 members, 65 countries

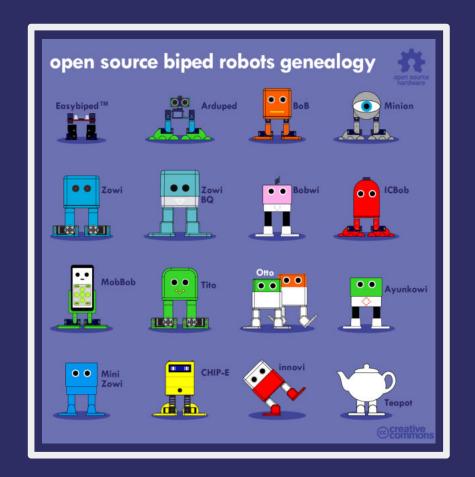


Open source allows people to learn and collaborate on a global scale, regardless of the background.

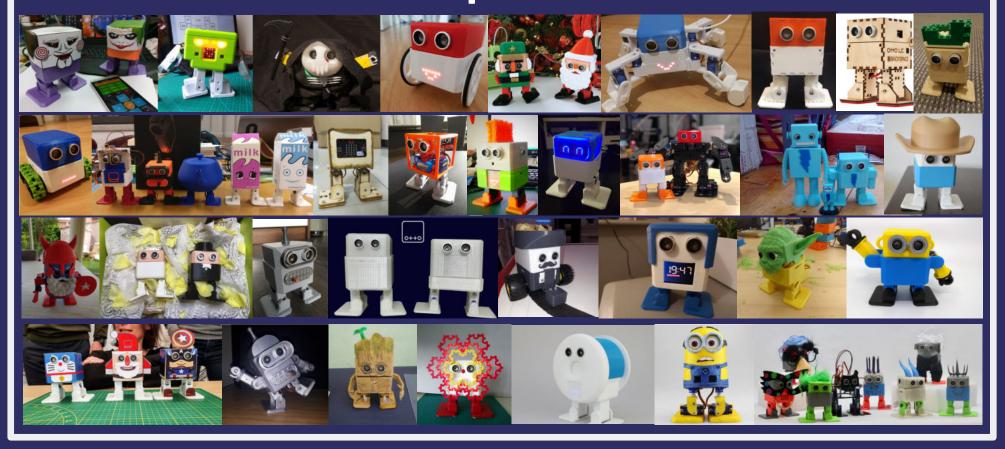


Small bipeds are the biggest and broadest family among open robots.

We encourage people to copy & remix.



#### At least 55 remixes & replicated over 10000 times



### what can you do with Otto?

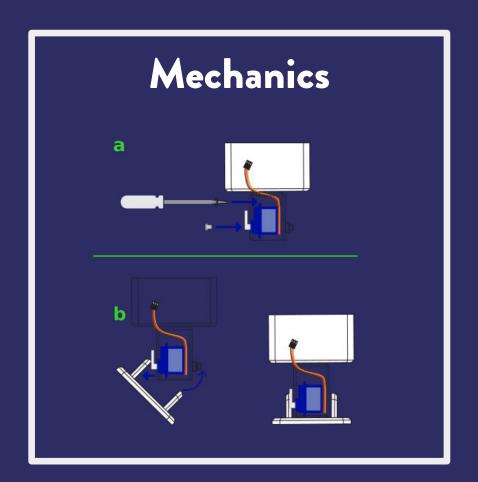


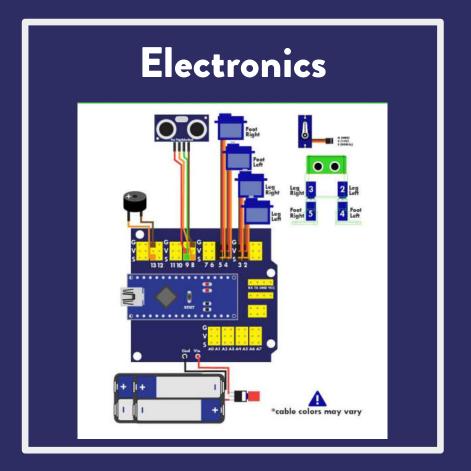
Experimental learning and iterative education.

Learning by doing

"Learn to build then
build to learn"







#### **Programming**

```
Otto_avoid.ino

52 | void loop() {
    if(obstadeDetected) {
        Otto.sing(S_surprise);
        Otto.playGesture(OttoFretful);
        Otto.walk(2,1300,-1);
        Otto.turn(2,1000,-1);
        delay(50);
        obstadeDetector();
    }
    else{
        Otto.walk(1,1000,1);
        obstadeDetector();
    }
}
```

#### Design



### why is Otto special?

It is a Gender neutral product, that let children choose their own creative path.



It is more than just a robot the act of building and coding your own Otto will create an emotional connection.



It is more than just a robot the act of building and coding your own Otto will create an emotional connection.



## you can also build your own Otto!

save the date: 22-23 June / 2019 see you in Prague!





thanks!



děkuji!

ottodiy.com