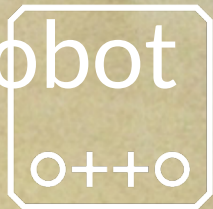




Otto DIY an open source robot  
for education



# Team

Design Engineer &  
Founder



Camilo Parra Palacio



Creator of Otto robot  
and toy designer for  
over 8 years

Finance Officer, Educator  
& Co-founder



Tereza Švarcová



Fluent in at least 5  
languages and dedicated  
to education

Business Director



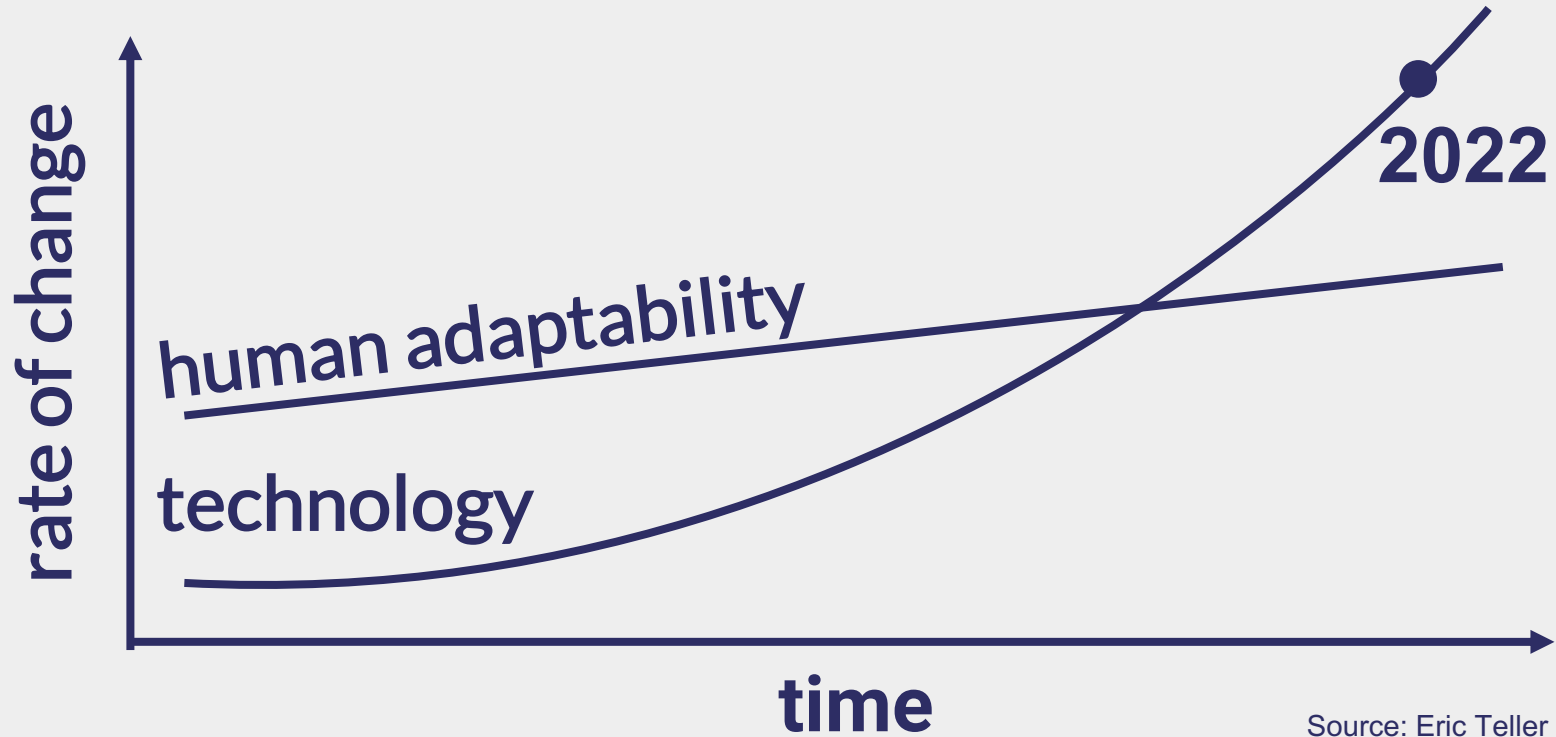
Ethan Clime



Sales & marketing expert  
with 10 years of  
experience

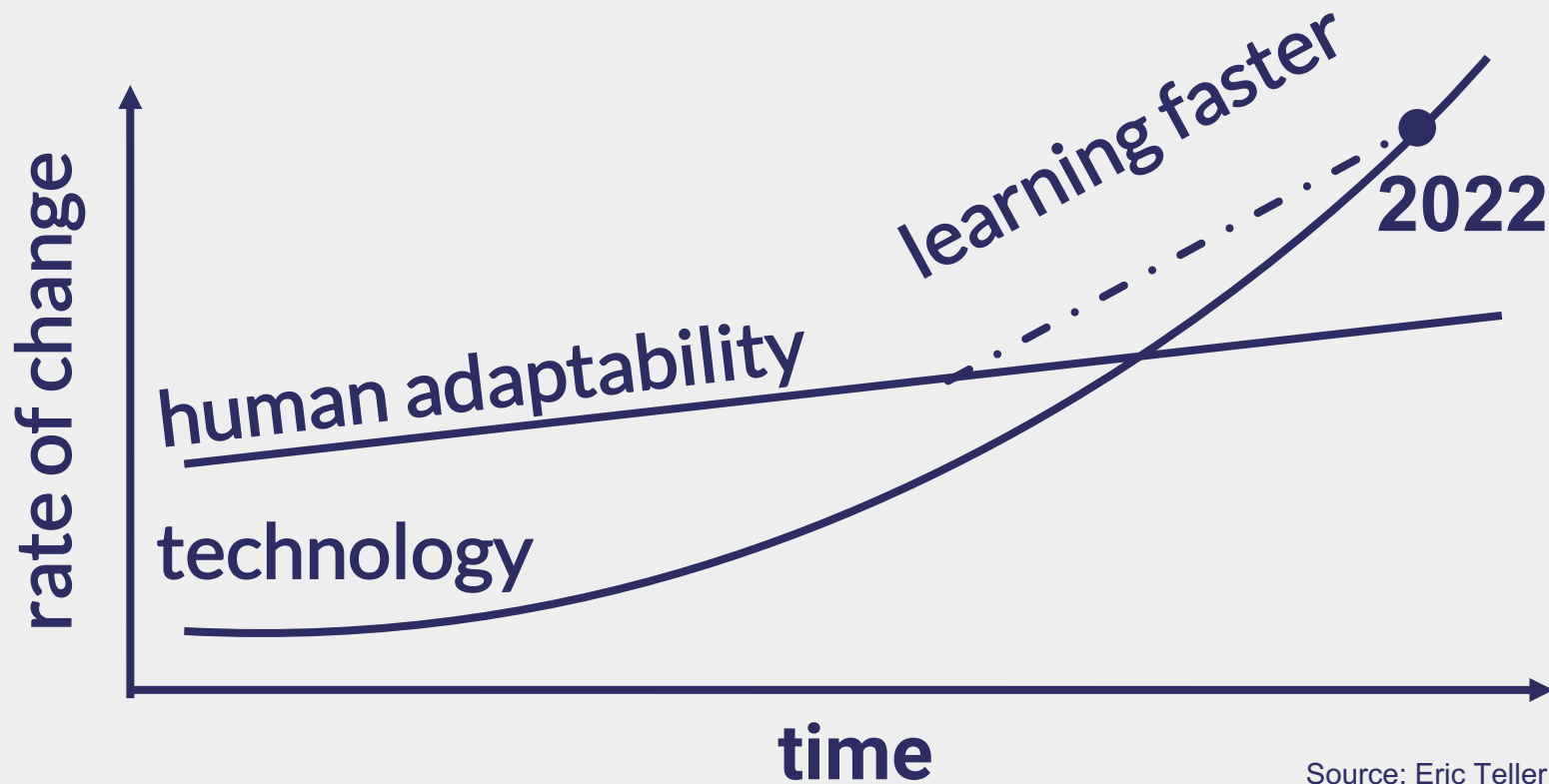


# Current Problem



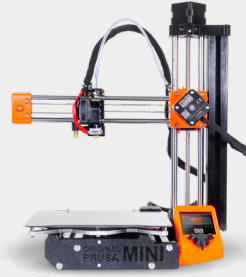
Source: Eric Teller GoogleXLab

# Solution



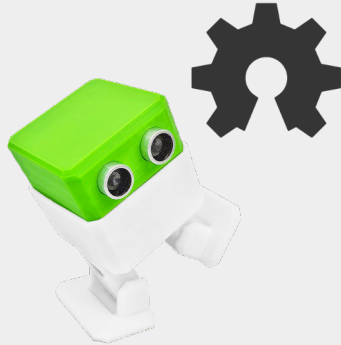
# The path to become creator

Maker Kit  
*3D printing  
at home or  
school*



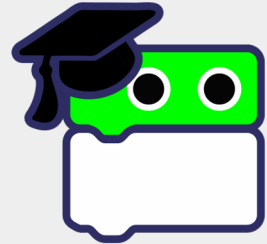
3D print your own  
robot

Builder Kit  
*+7 ages*



Full robot kit

Fun and easy  
assembling



**Otto**  
**Academy**

Learn robotics, coding,  
AI, engineering and  
design

# What can Otto do?



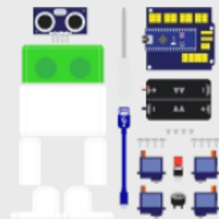
## open source

limitless freedom



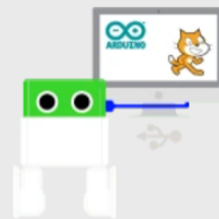
## 3D printable

in less than 5 hours



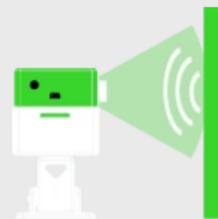
## DIY

build in 1 hour



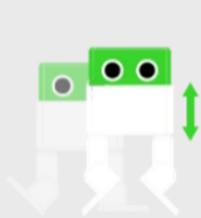
## programmable

easy graphical coding



## walk

& avoid obstacles



## dance

multiple styles



## beeps

& 8 bit melodies



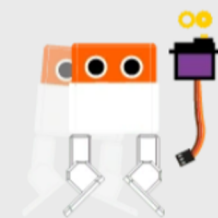
## emotions

expressive LED eyes



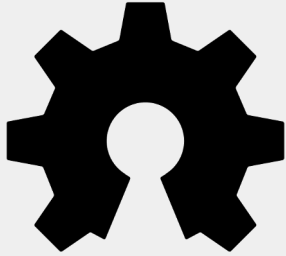
## + bluetooth

FREE APP for all OS



## + stronger

metal gears servos



**certification as open  
source hardware by  
OSHWA**

# hardware



Otto Builder

wikifactory

forum

Contribute with a new remix project or EDU content by just uploading files.

Otto Leader

3D + basic code, how to guides

Otto Inventor

Otto Educator

# software



Otto Developer

github

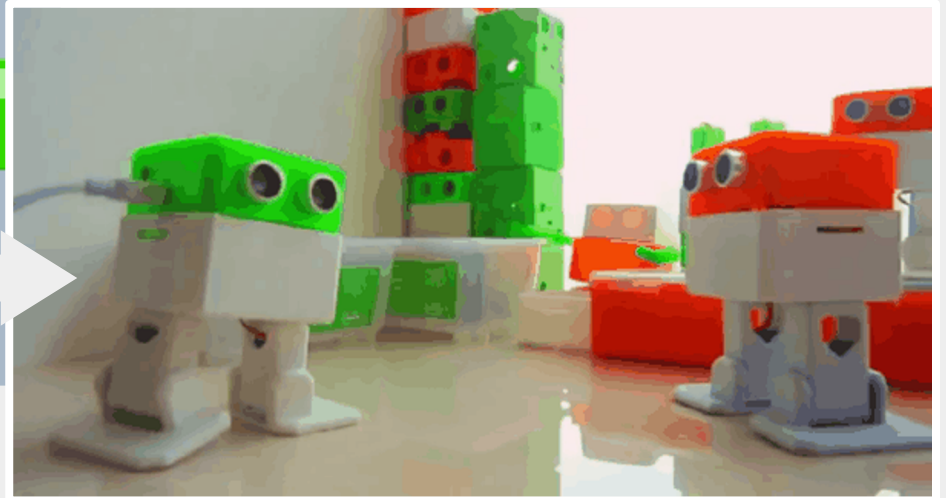
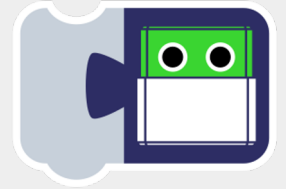
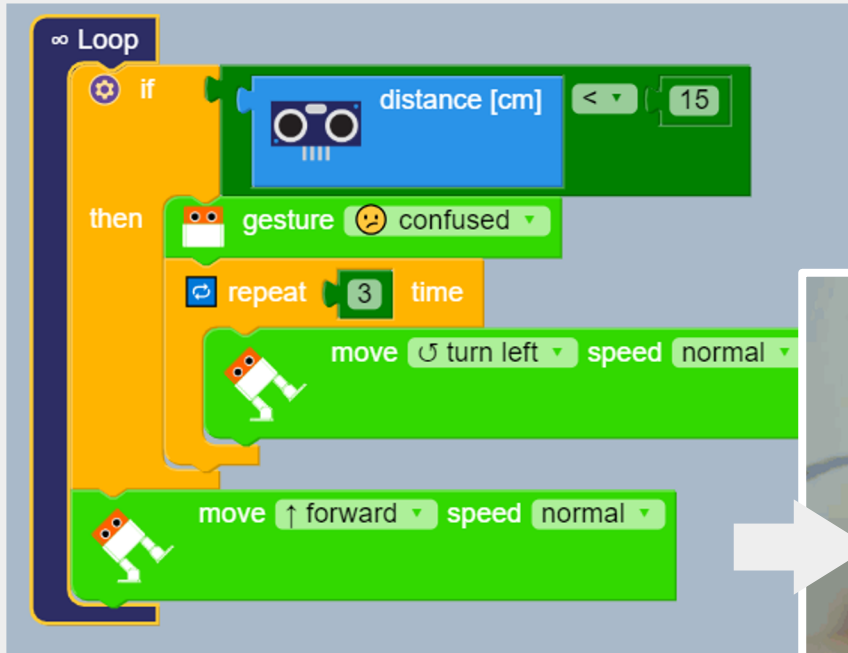
improve

Contribute with new code via pull request.

Libraries + code, Blockly & App



# Graphical programming software



Code

Costumes

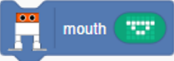
Sounds

Otto Plus

Motion

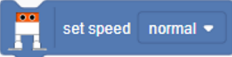


Looks

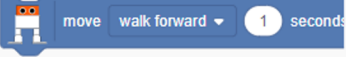


Sound

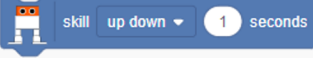
Events



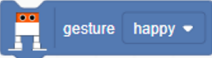
Control



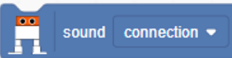
Sensing



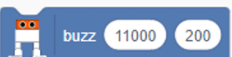
Operators



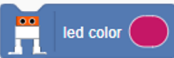
Variables



My Blocks



Otto Plus



```
when this sprite clicked
  set language es-MX
  listen and wait
  converse speech
  say intent
  if intent = happy then
    gesture happy
  if intent = sad then
    gesture sad
```



Watson Assistant: intent **happy**

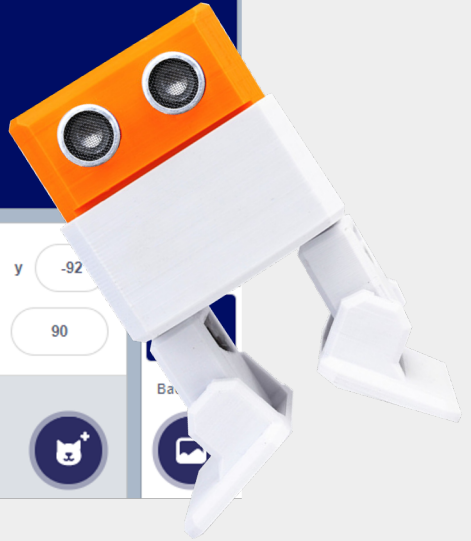
Speech to Text: speech **eres genial**

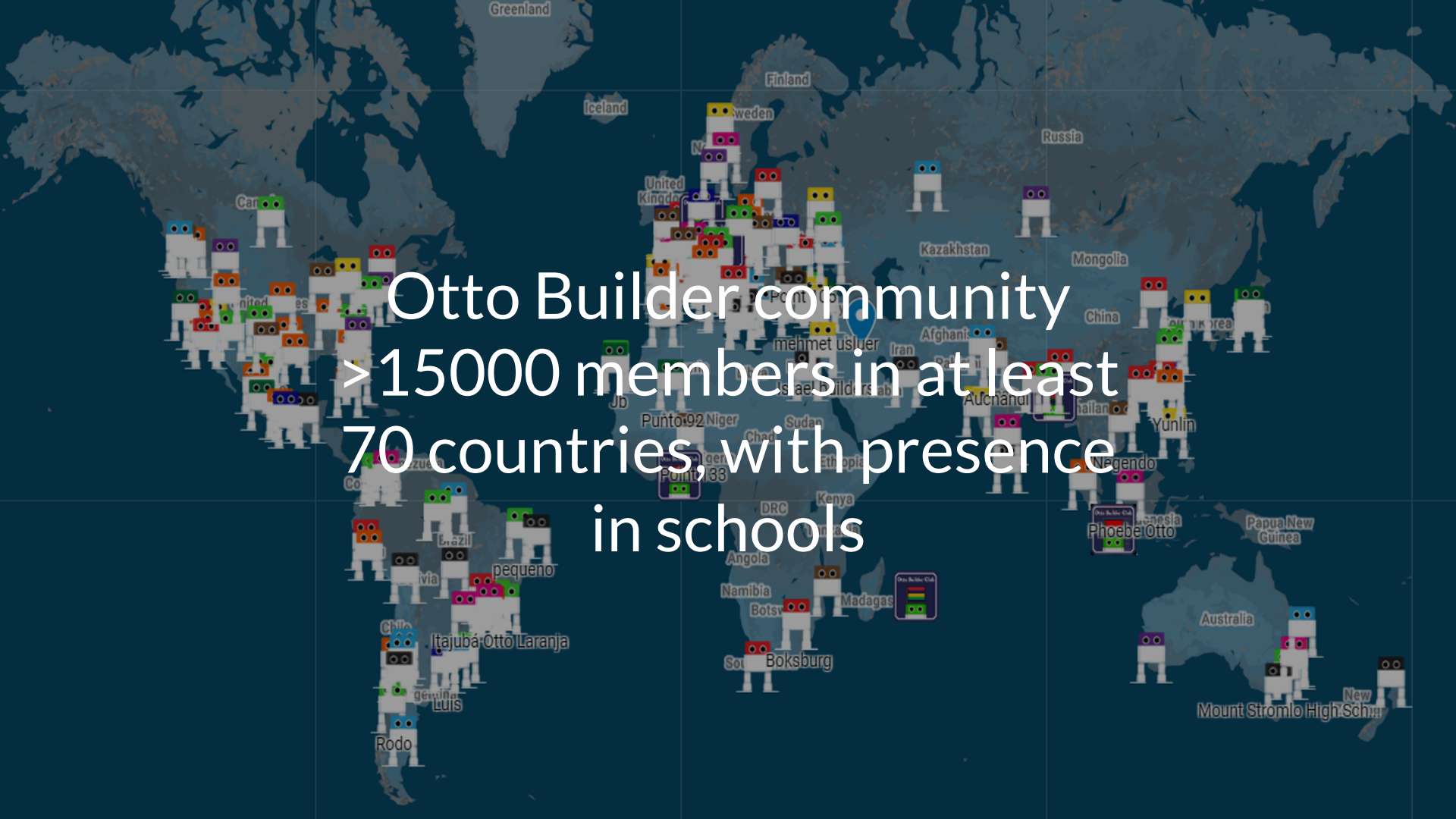
happy

Sprite: OttoDIY+ x: -160 y: -92

Show:

Size: 100 Direction: 90



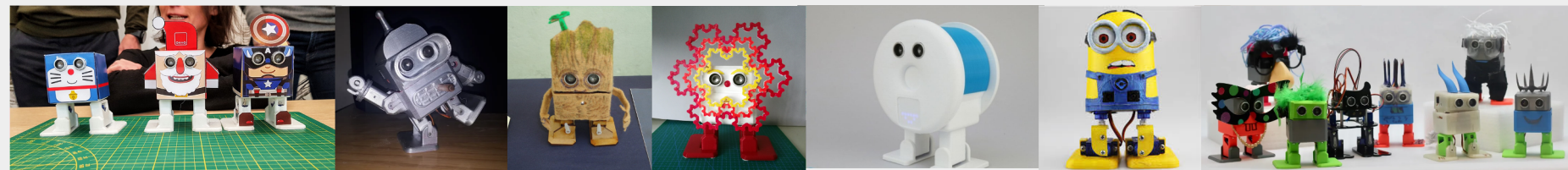
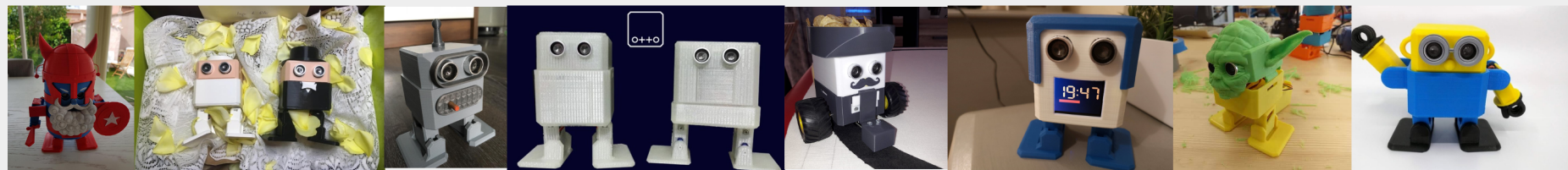
A world map with a dark blue background and a light blue grid. Numerous small, colorful, stylized robot-like characters (Otto Builders) are scattered across the map, representing the community's presence in various countries. Some characters are placed on specific country labels, while others are on the map's grid. The text is overlaid in the center of the map.

Otto Builder community  
> 15000 members in at least  
70 countries, with presence  
in schools

over 100 remixes & replicated over 20K times



Encouraging the future generations to become creators



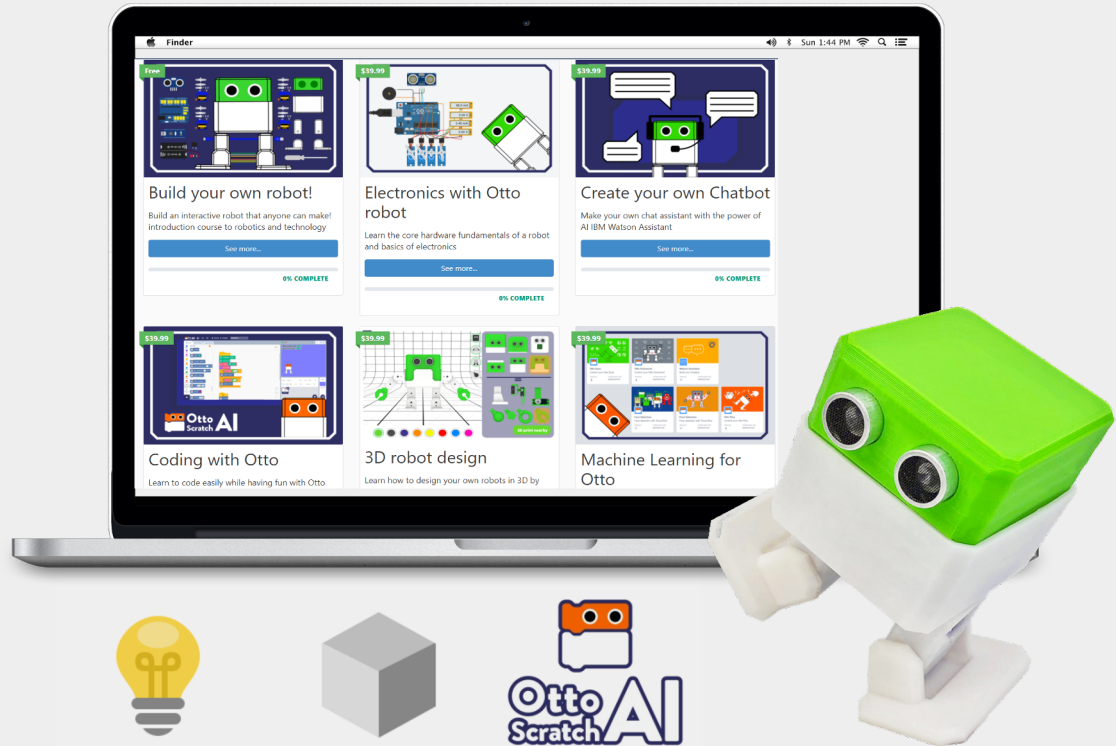
# Otto At Home Interdisciplinary home education

Robot kits in the hands of everyone!

## Otto Academy platform:

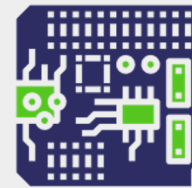
A complete Learning Management System with online courses, games, quizzes, workshops, forum, progress tracking, certificates and badges.

In our pillars for education, Design, Engineering and Coding + AI





Recycled plastic in local factories



Custom design and out the shelf electronics



Open education in constant innovation with the community



\$ Purchase kits from online Store



\$ Courses, Lessons & Membership



Otto At Home



Shipped worldwide



Families & Students



Maker & DIY Educators



Verifiable skills & achievements

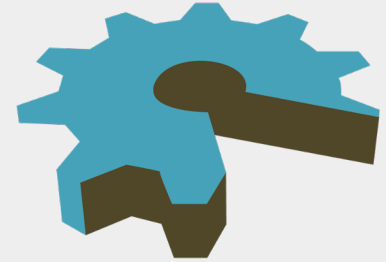
# Collaborations



Wikifactory  
Open Collaboration



Delft Open Hardware



OPEN HARDWARE  
LEADERS

Thanks!

[ottodiy.com](http://ottodiy.com)





# [Product video \(3min\)](#)

