

Otto DIY, an open source robot for education

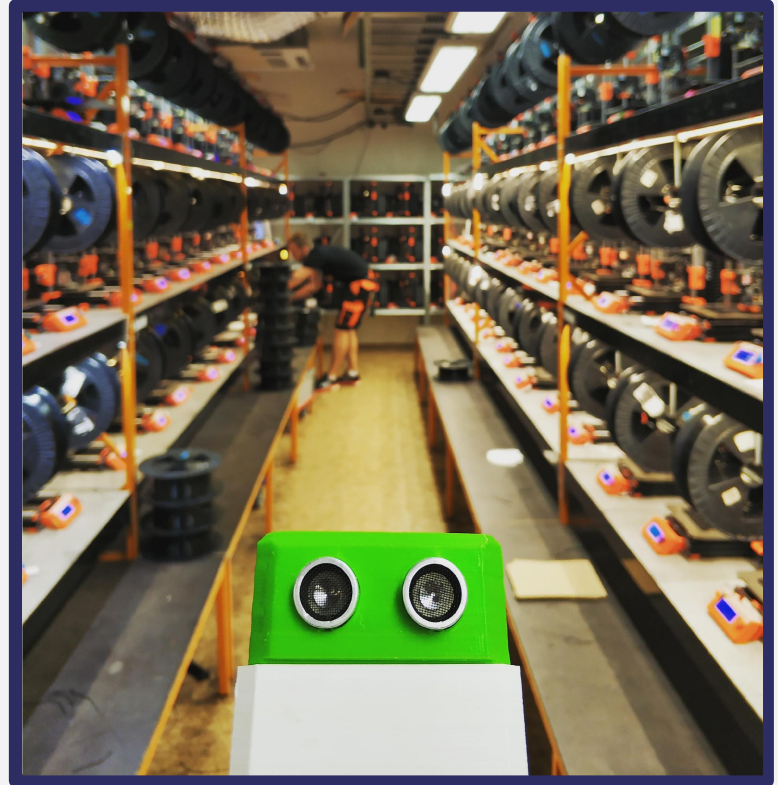
About Otto DIY

Otto DIY is headquartered in Czech Republic, where the term robot and the best open source 3D printer was created.

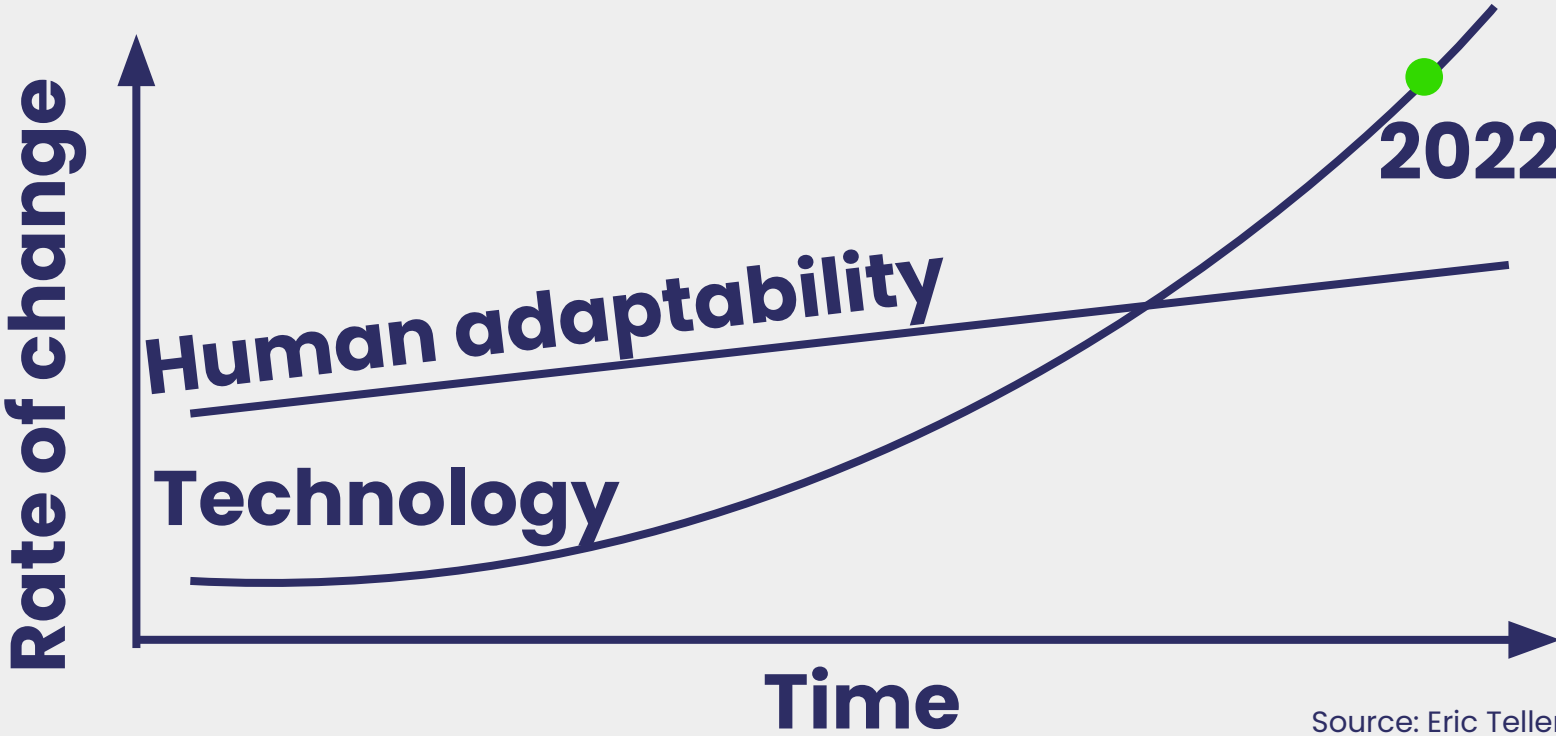
Thanks to Otto DIY open source nature, it has become one of the most popular 3D printable robot designs in the world due to its simplicity.

Otto is the first-ever OSHW (Open Source Hardware) certificated project from the Czech Republic.

We are now 3D printing our robots in Europe.

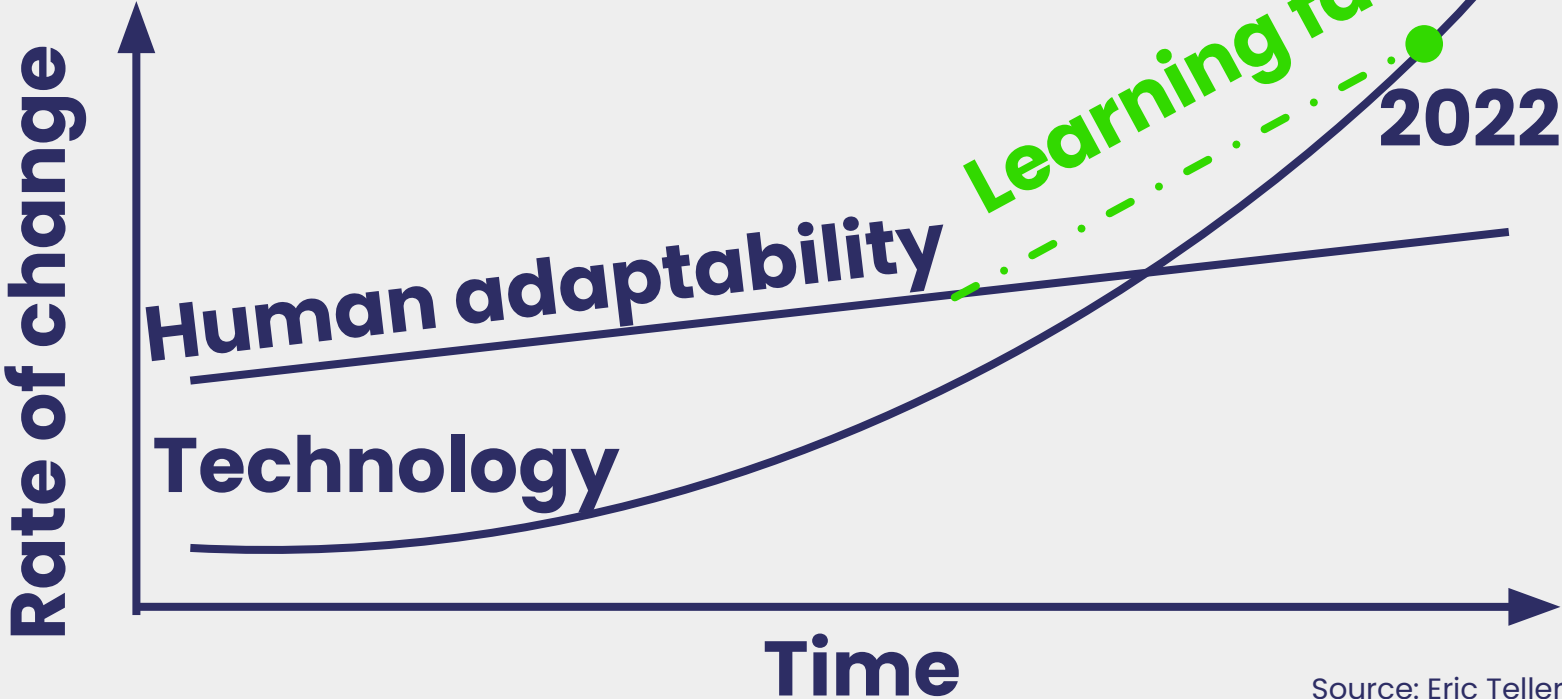


Current Problem

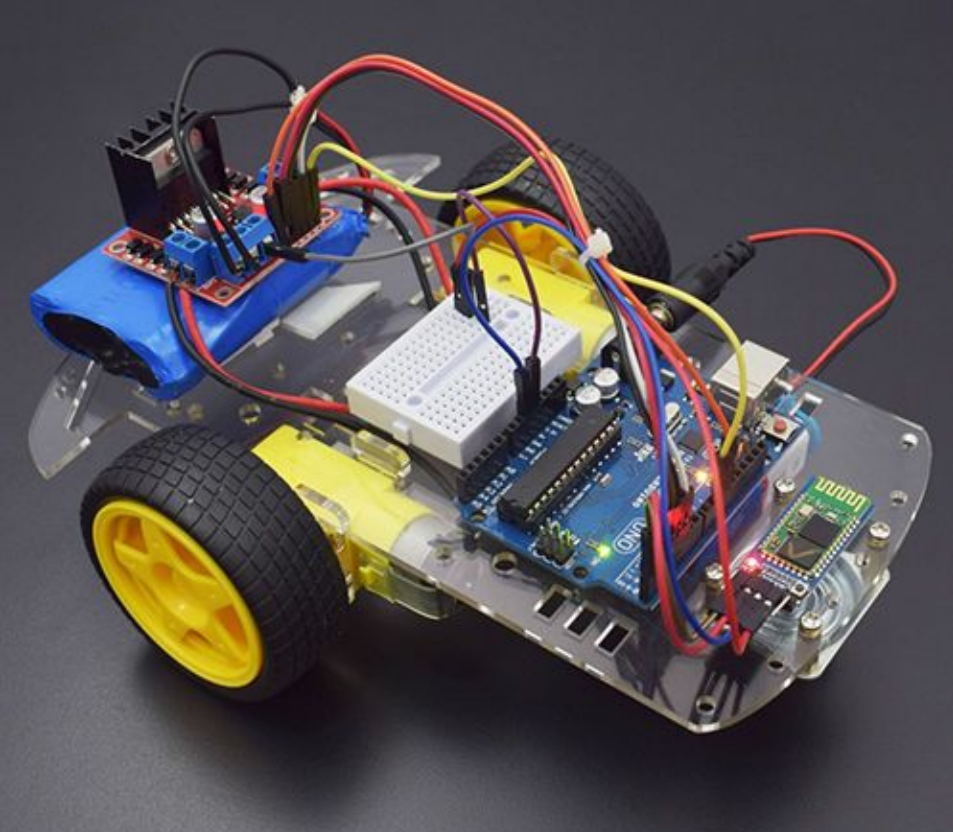


Source: Eric Teller
GoogleXLab

Solution



Source: Eric Teller
GoogleXLab



Nothing in between 🥲



**Build, Code, Design & Create
your own robot**



Features

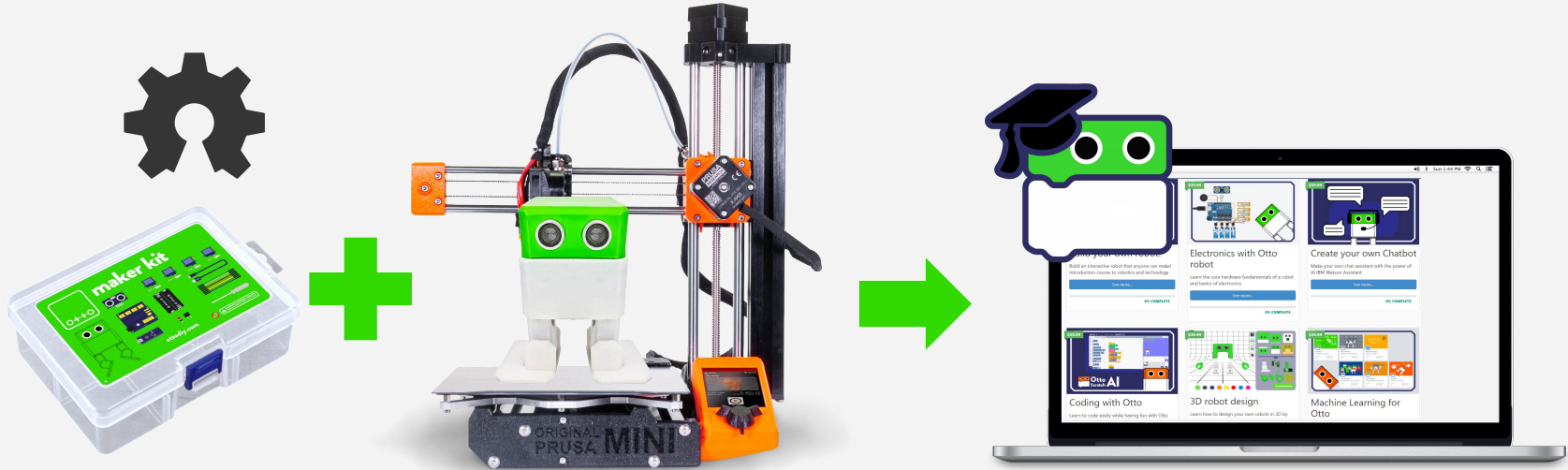
As a base all our robot kits Otto teaches to everyone how technology works while having fun. After built with our easy to follow instruction manuals and videos, all Otto's can walk, turn, dance, makes sounds and **fully programmable with our Otto Blockly graphical coding or Arduino IDE.**

From there, it adapts to the rhythm of the learner who can play, improve and control it. Our robot kits have more or less capabilities but you can always upgrade them!

Easy to build or create your own projects. personalize with papercraft or 3D printing. Post your creations in the [Otto Builder community](#).



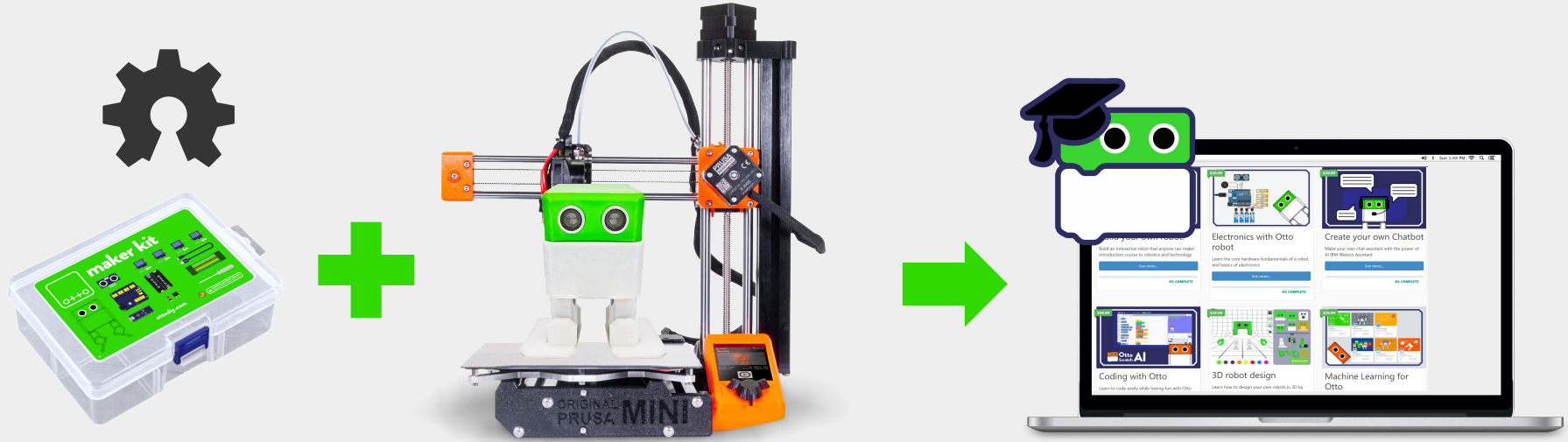
The path to become a Creator



Build, Code, Design & Create
your own robot

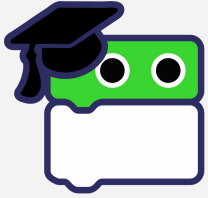
Learn the skills of the future
(coding, engineering, electronics,
digital fabrication and design)

The path to become a Creator



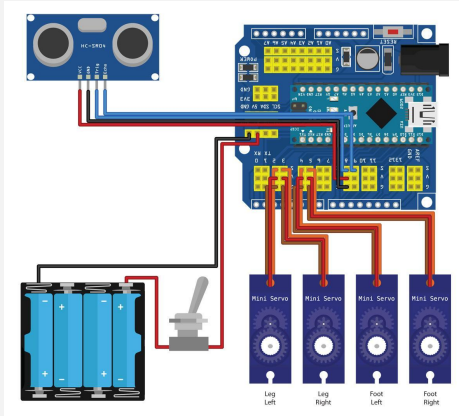
Build, Code, Design & Create
your own robot

Learn the skills of the future

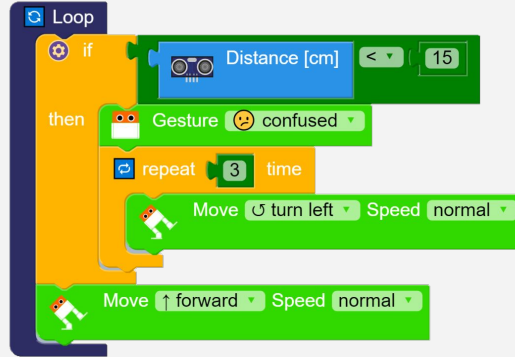


Interdisciplinary STEAM Education

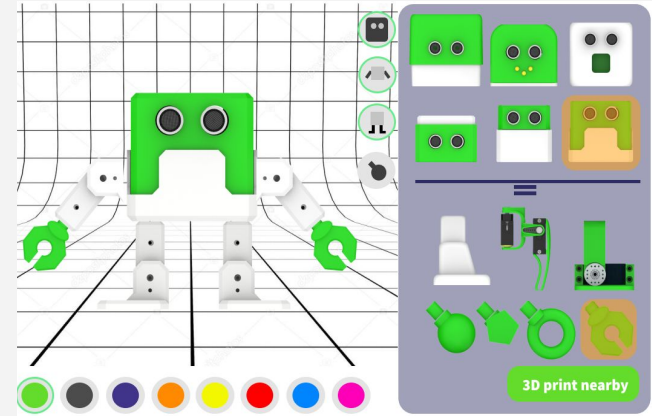
 **Engineering**




 **Coding**



 **Design**





**All you need to build a robot
and program it**



What can Otto do?



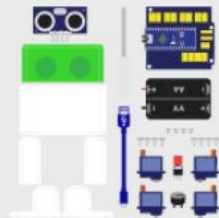
open source

limitless freedom



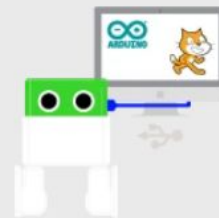
3D printable

in less than 5 hours



DIY

build in 1 hour



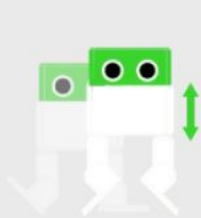
programmable

easy graphical coding



walk

& avoid obstacles



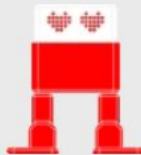
dance

multiple styles



beeps

& 8 bit melodies



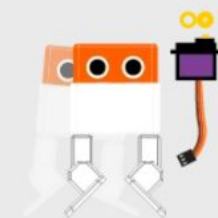
emotions

expressive LED eyes



+ bluetooth

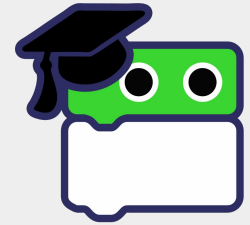
FREE APP for all OS



+ stronger

metal gears servos

Interdisciplinary STEAM Education



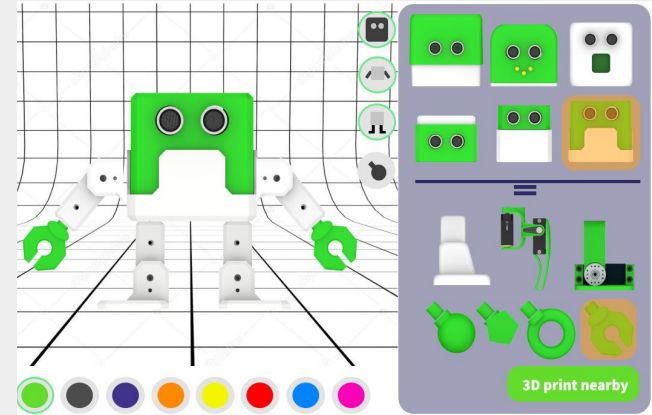
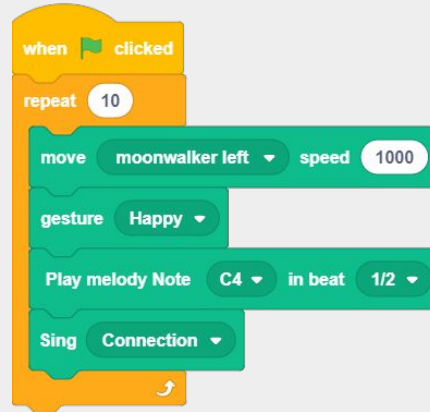
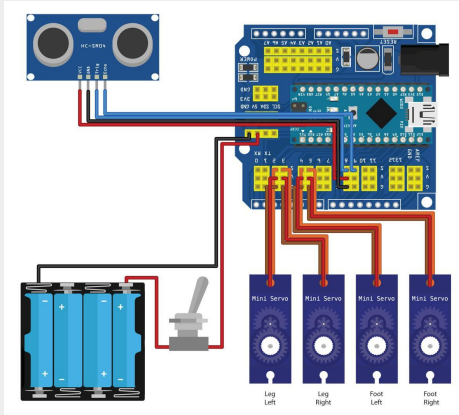
Engineering



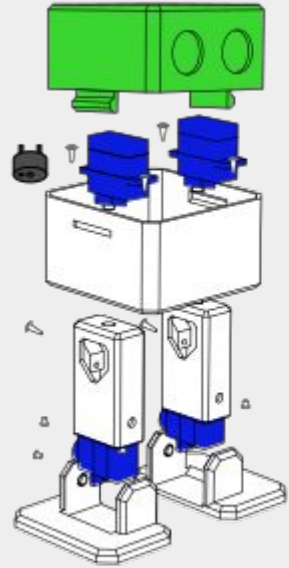
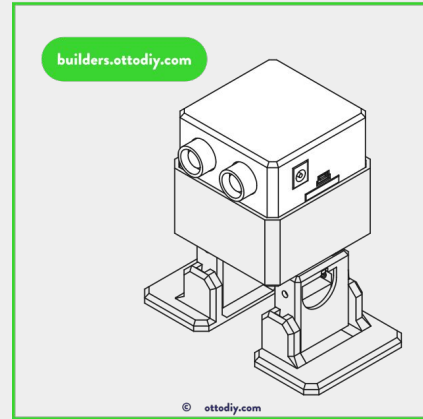
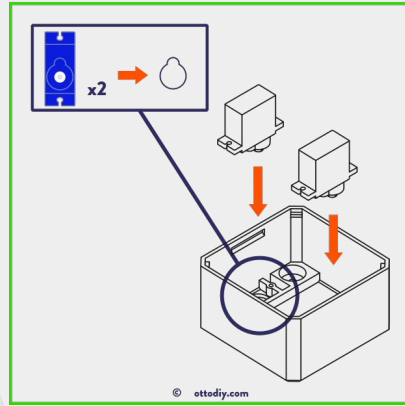
Coding



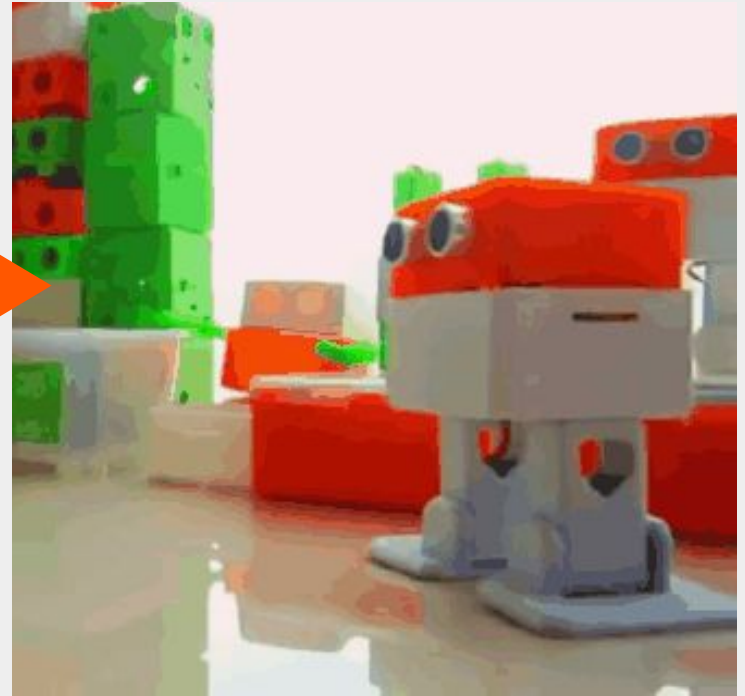
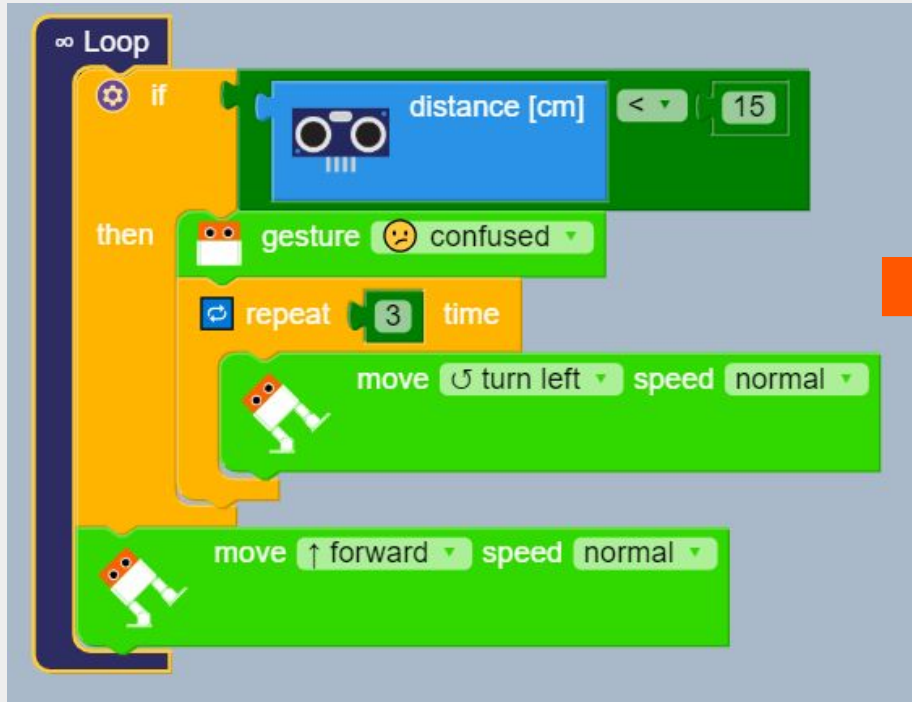
Design



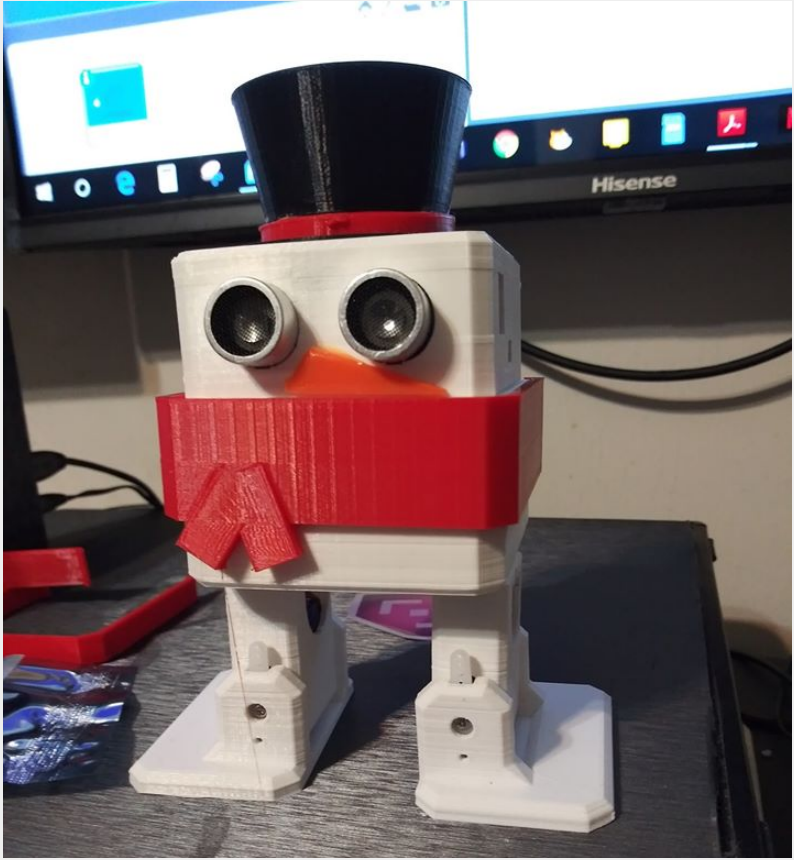
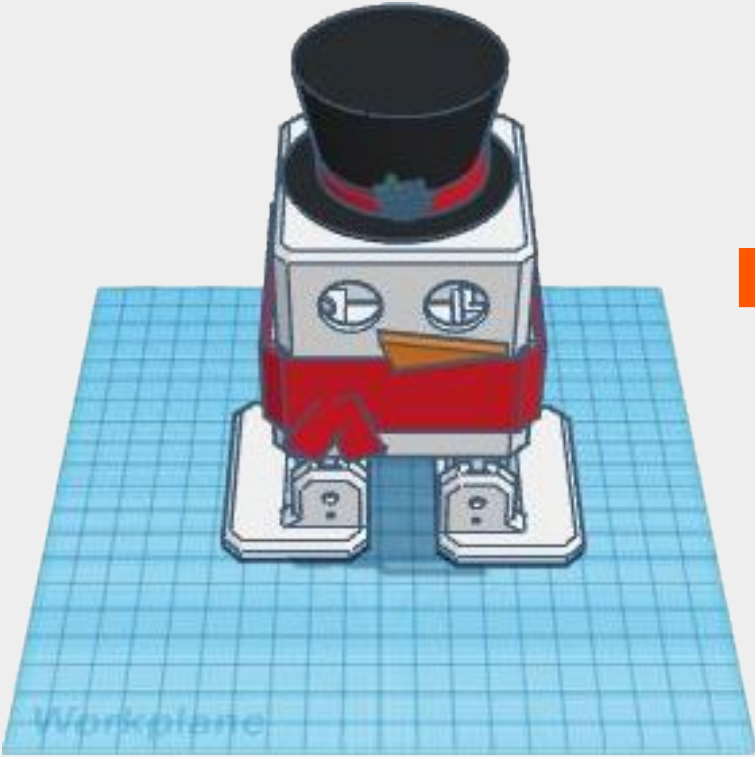
Easy to follow instruction manuals



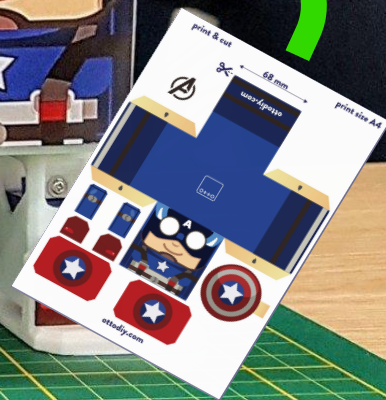
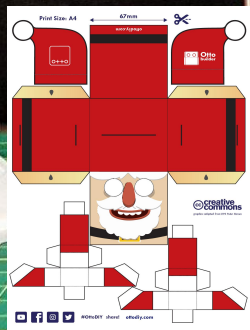
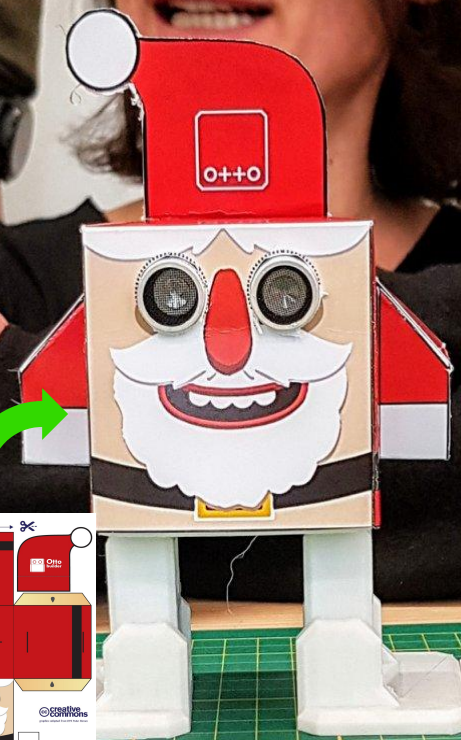
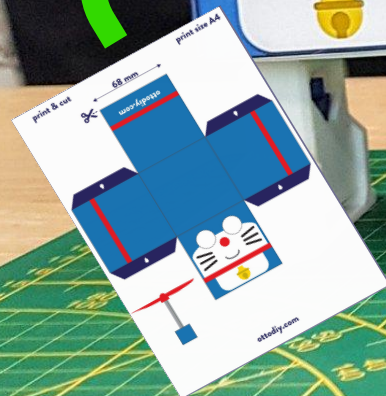
Graphical programming software



3D modeling design



Paper craft



Modular robots from beginner to advanced

Starting from 8 years old

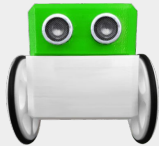


Starter



Ultrasonic sensor

Wheels



Wheels
Line follower

Emotions



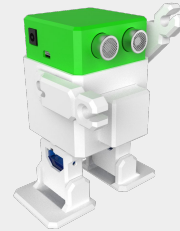
LED eyes 👁️
Touch sensor 👉
Bluetooth 📱
Sound sense 🎤

Smart

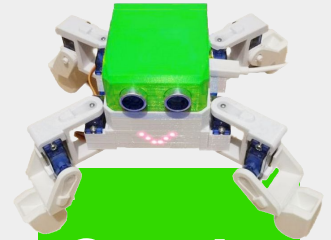


OLED mouth
Temperature and Humidity sense
Touch sense 👉

Humanoid



Sound sense 🎤
LED mouth 🗨️
Arms 💪



**Create
your
own
REMIX**

Otto Builder Community



Join us in builders.ottodiy.com

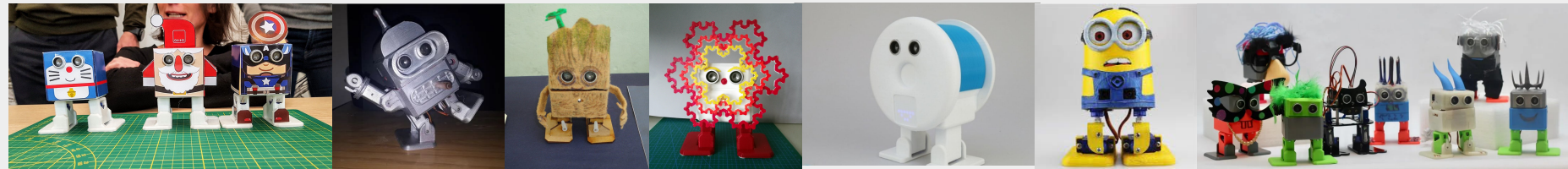
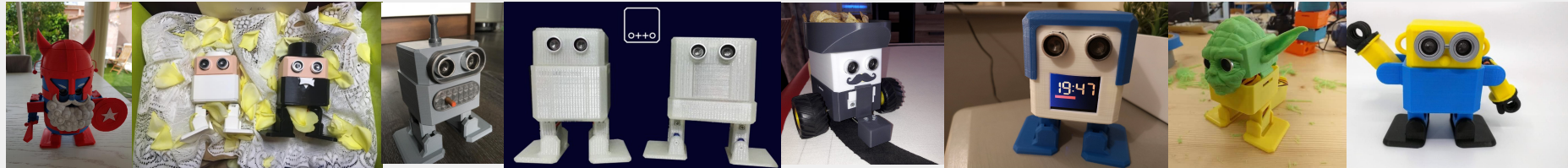
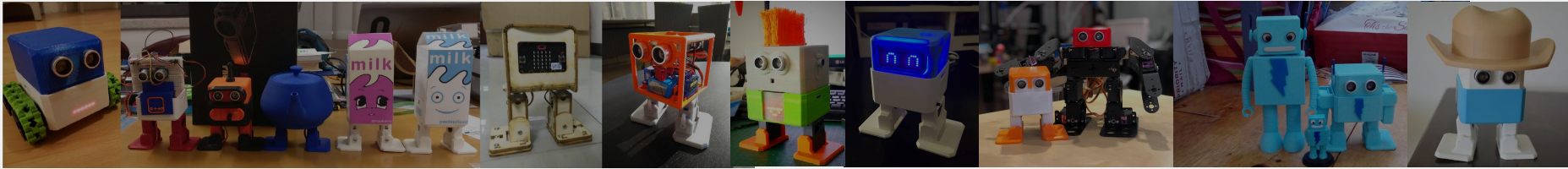


**Otto Builder community >14000
members in at least 80
countries**

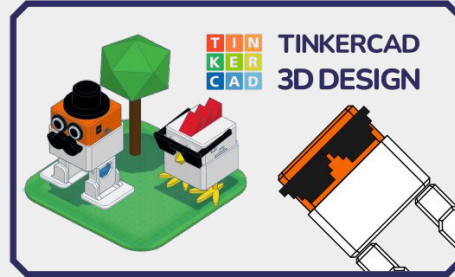
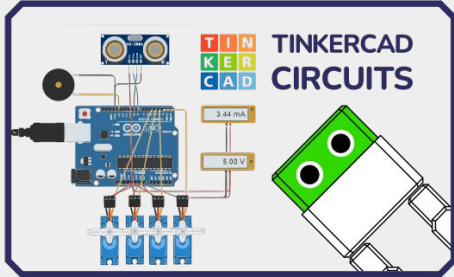
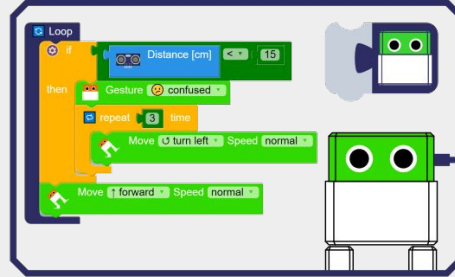
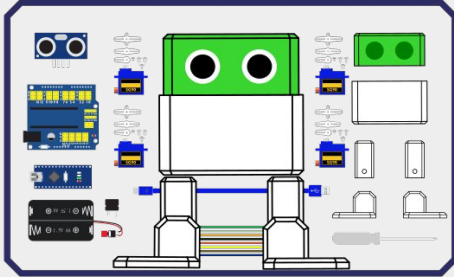
**more than 100 remixes
(new robots) created**



Inspire children to become creators of the Future



Online Learning materials



ottoschool.com



Online educational content

The screenshot displays the Otto Academy website interface. At the top, it shows '100% COMPLETE' and '22/22 Steps'. Navigation links include 'Previous Chapter', 'Next Lesson', and 'Hello, camilo!'. The left sidebar, highlighted with an orange border, lists course sections: 'Build your own robot! (Mechanical Assembly)', 'Meeting Otto', 'Build your own robot', and 'Coding Otto'. The 'Coding Otto' section is expanded, showing 'Software required for uploading code' with 3 lessons. The main content area is a video player titled 'Otto Blockly download, introduction and First Arduino Coding Sequence for your robot'. The video shows a person's hands assembling a small robot and a Blockly code editor with the following blocks: a 'repeat' block set to 2 times, a 'Do' block containing 'swing' with 'Speed normal' and 'Size Normal', and a 'wait' block set to 1 second. The video player includes a 'MORE VIDEOS' button and a progress bar at 1:57 / 2:33.

100% COMPLETE 22/22 Steps

< Previous Chapter Next Lesson > Hello, camilo!

Build your own robot! (Mechanical Assembly)

Meeting Otto

- Keywords to learn before build
- Introducing Otto
 - 4 Lessons | 5 Quizzes

Build your own robot

- List of Parts
 - 3 Lessons | 3 Quizzes
- Assembly

Coding Otto

- Software required for uploading code
 - 3 Lessons
- Otto Blockly download and install
- Driver for USB

Otto Blockly download, introduction and First Arduino Coding Sequence for your robot

Watch later Share

repeat 2 times

Do swing Speed normal Size Normal

wait 1 seconds

MORE VIDEOS

1:57 / 2:33

YouTube

As we seen in the last video, using Otto Blockly is a powerful tool to manage the communication with Otto and dictate what we want our robot to do.

Students progress

Otto Builder intro Test

It is time to test what you have just learned, are you ready?

Results

9 of 10 questions answered correctly

Your time: 00:01:33

You have reached 9 of 10 point(s), (90%)

PRINT YOUR CERTIFICATE

Average score



57.69%

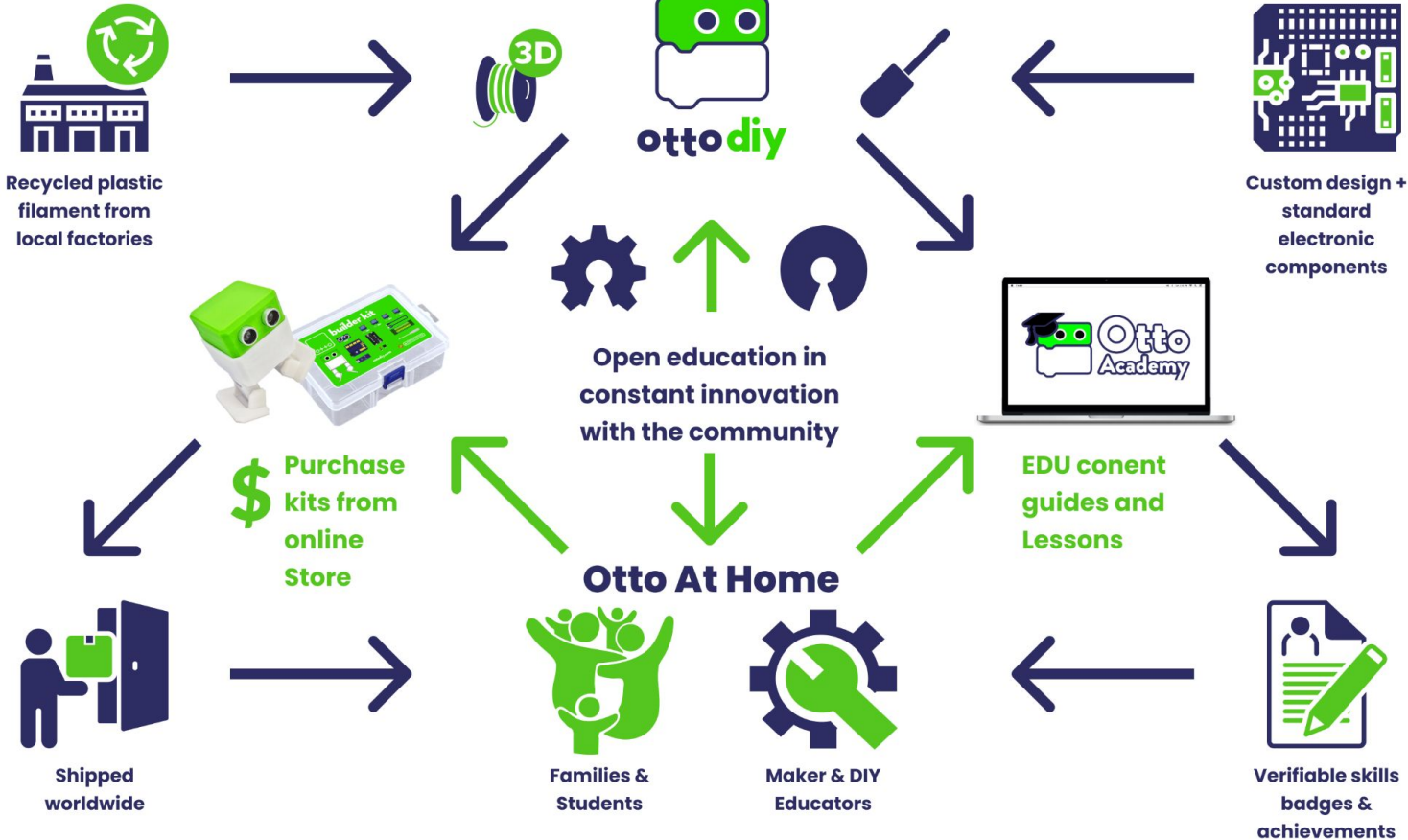
Your score



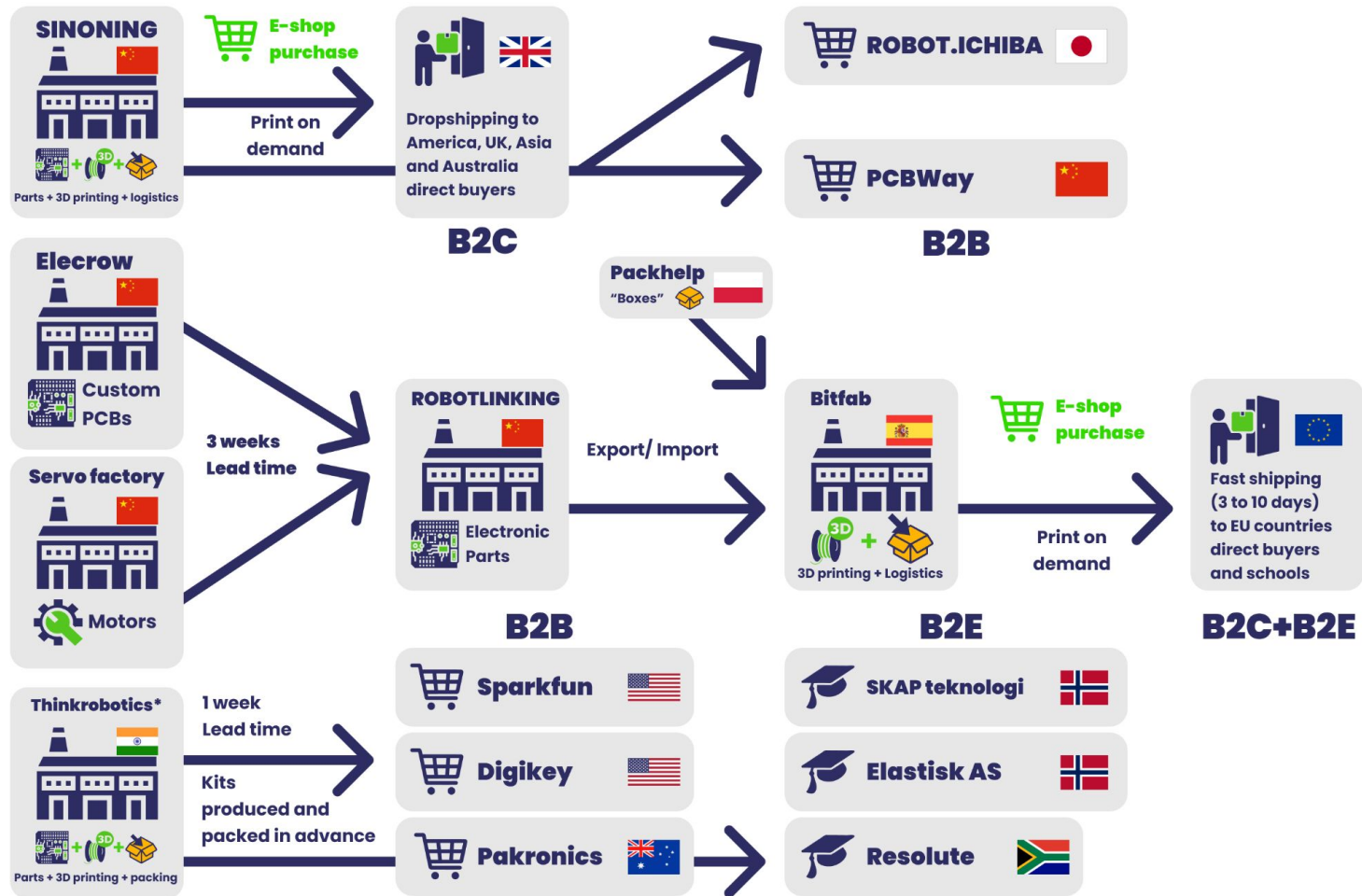
90%



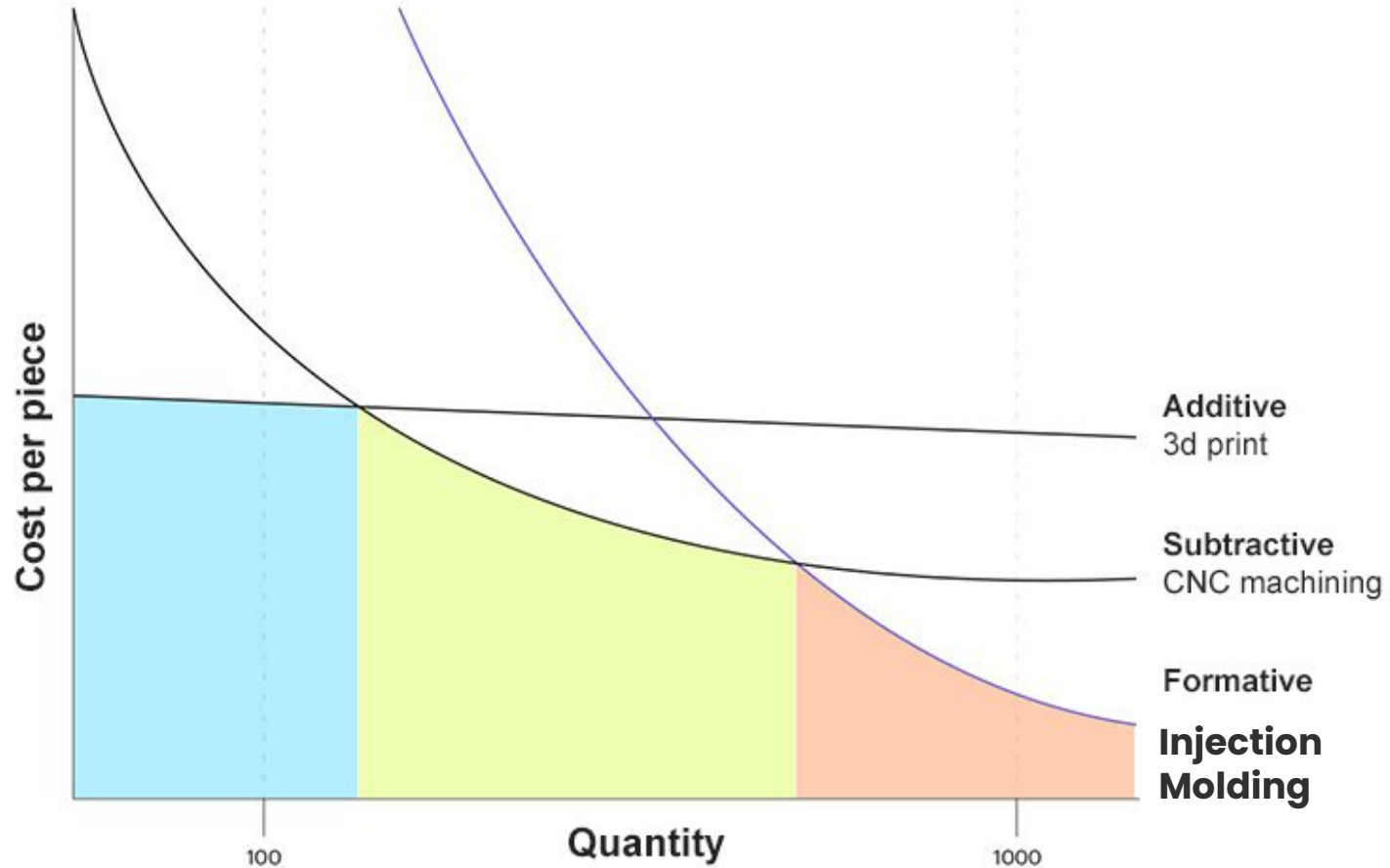
Business flow



Products flow, key suppliers/partners + sales channels/distributors



Unit cost curves based on production volume



Current Inventory

Stock in Spain is very low around 100 kits worth of parts and some leftover electronics

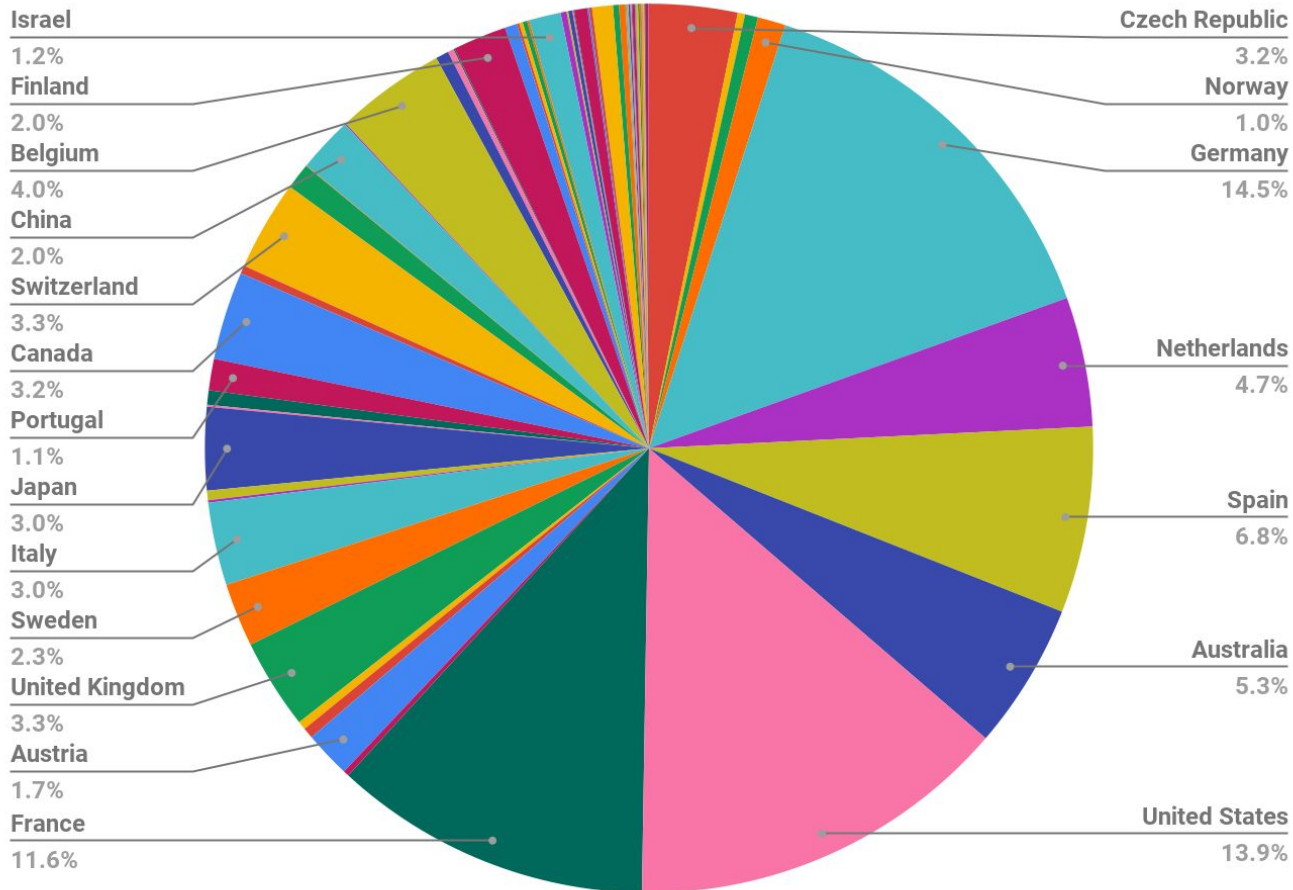
The stock we currently hold is in India for our top seller product “Otto Starter kit” :

[Maker Kits 670 packed and ready](#)

[Builder Kit 580 packed and ready](#)



Territory distribution



Top 5:

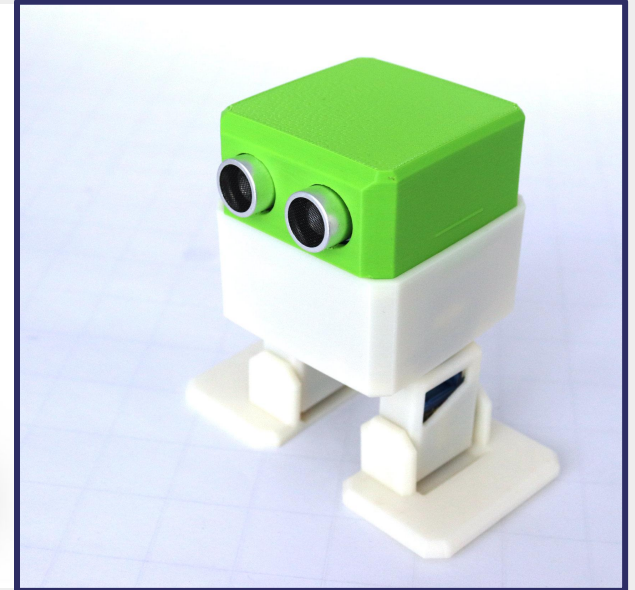
Germany	€30K	14.5%
USA	€29K	13.9%
France	€24K	11.6%
Spain	€14K	6.8%
Australia	€11K	5.3%

Other educational robots

STEM DIY toys (low cost but lack of expanded functionality, coding and educational content) €20 to €50

Educational robots (rich in education, but high in price) >€150

We are proud to stand out as the **most affordable** EdTech biped robot while being rich in learning €50 + shipping

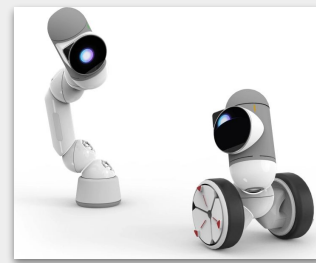




Otto



Edison



Clicbot



Dash

STEAM learning



Programmable



3D DIY robot



Affordability



Current Certifications

Rechargeable Batteries:

[USB 9V 650 MSDS Report](#)

[USB 9V 650 UN38.3 Test Report](#)

Servo Motors:

[CE compliance](#)



We currently market the product as a DIY learning kit, not a Toy

Thanks!

camilo@ottodiy.com

