Arduino is an open source company and distributed with offices in Italy, Sweden, and Switzerland. With over 100 employees working world-wide, Arduino develops easy to use development systems for humans. The classic Arduino IDE is downloaded every 2,5 seconds, adding up to over 28.000.000 downloads per year. Read more at: www.arduino.cc

Contact:
David Cuartielles
d.cuartielles@arduino.cc

MISSION

VISION

Bring state of the art OS technology to a level that will enable anyone to develop with it
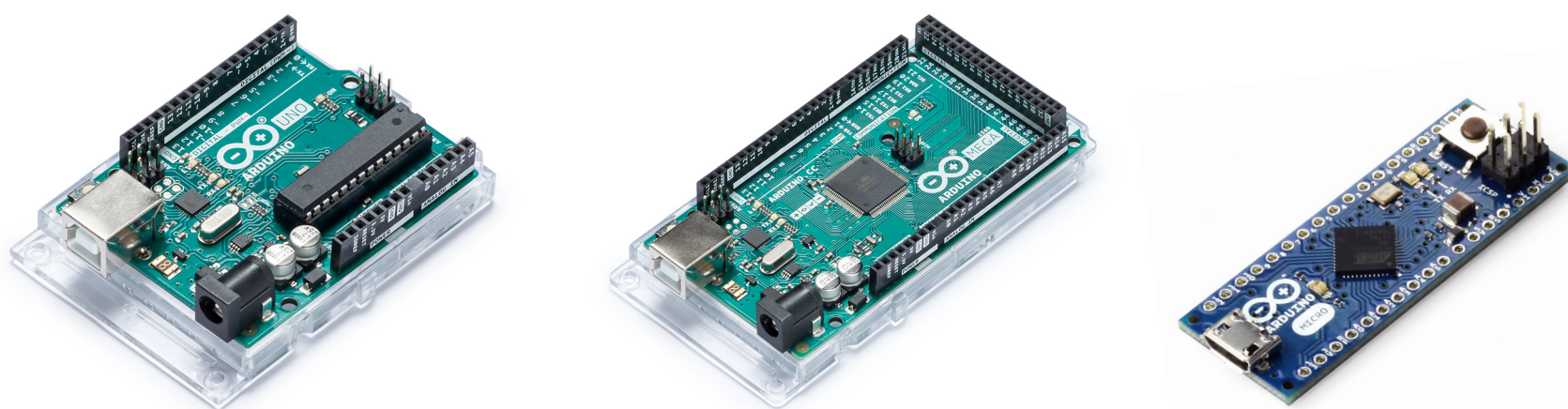
Create the best user experience possible for hybrid (SW + HW) authoring tools
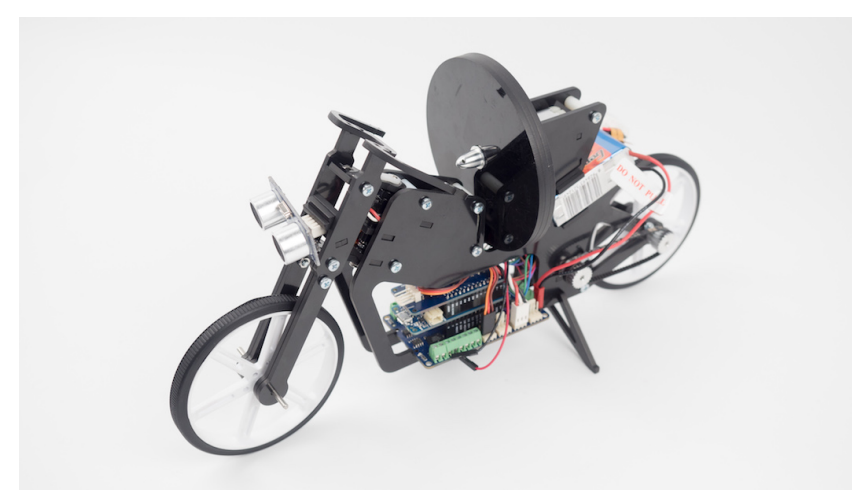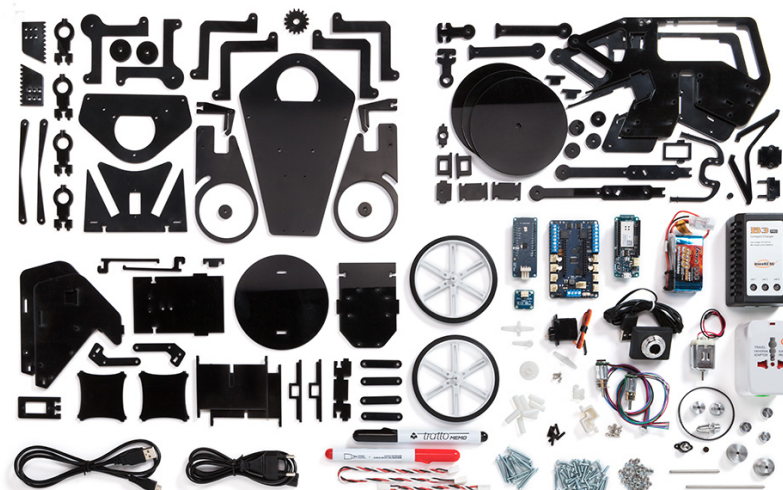
PROPOSITION

OUTCOMES

MAKERS

* Create a HW ecosystem that can scale and a sustainable price-schema

* Create a series of HW agnostic APIs allowing for HW migration on a project to project basis

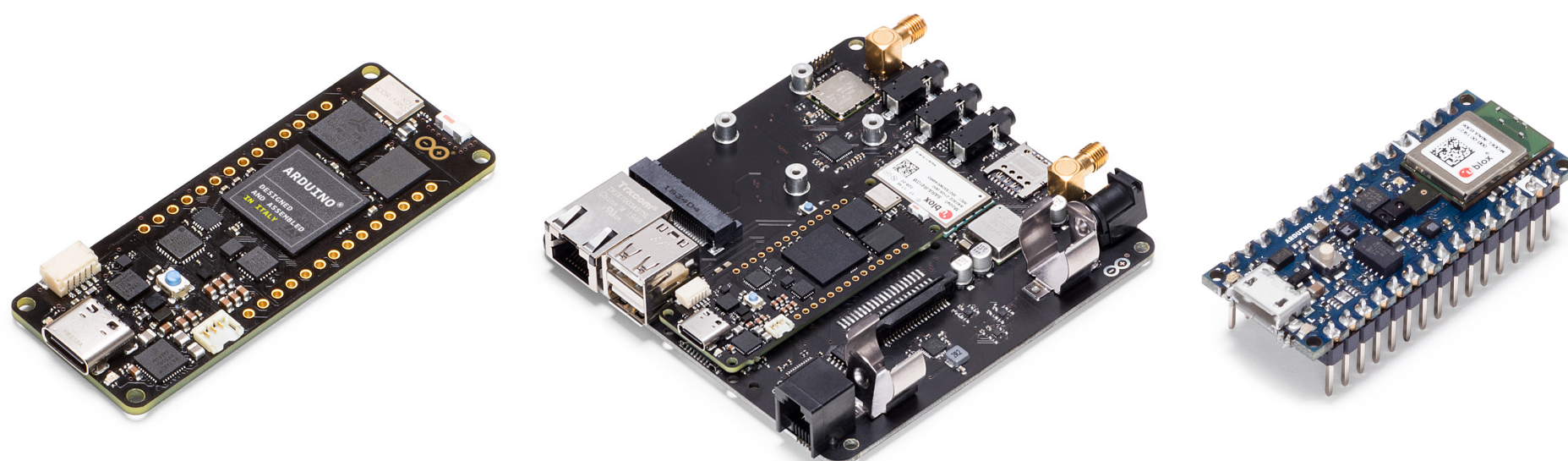* Maintain a reasonable innovation level at the level of SW

EDUCATION

* Create courses to help secondary school teachers at their work

* Create advanced kits for university students at undergraduate, graduate, and post-graduate levels

* Support of advanced scientific experiments

PRO

* Create state of the art HW to support the creation of industrial machinery

* Develop an open source vertical for IoT, including HW, SW, Cloud, and DataViz

* Research on HW for easy-to-connect, plug-n-play, self healing HW

POSITIONING TOWARD OH AND RISC-V

FUTURE WORK

* Continue to be part of the discourse around OH (Arduino participated in the creation of the first declaration of freedoms in 2010)

* Reach an understanding of the future of the technology (Risc-V) and the opportunities it can bring to all of Arduino's areas of action

* Consider the possibility of developing boards including Risc-V enabled processors

* Benchmark existing boards including Risc-V devices

* Participate in EU-research projects involving the technology

* Anlyse the importance of this and other OH architectures for the industry and education

* Collaborate with public institutions involved in projects around OH

* Help in promoting the goods of OH and its benefits for society