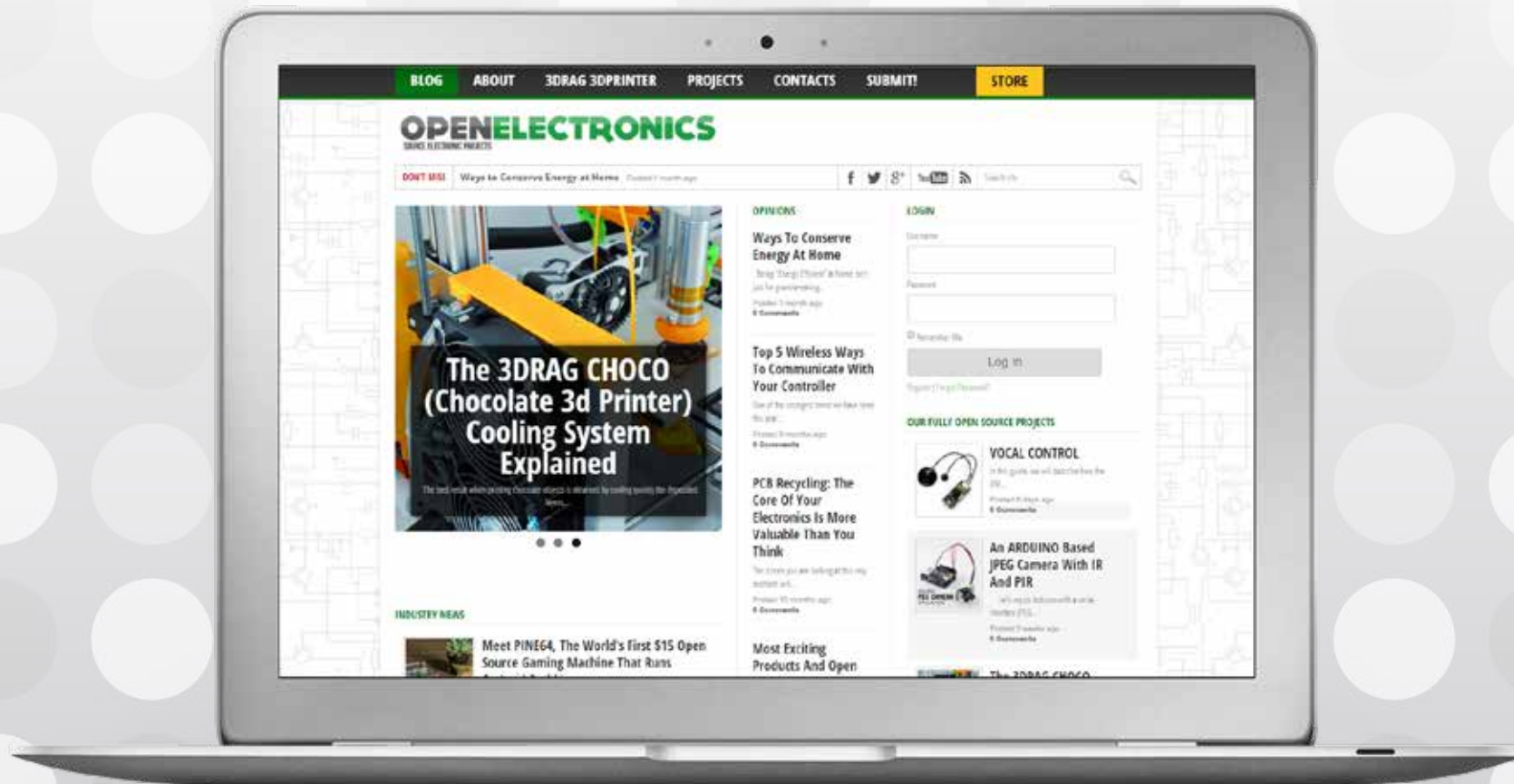


# OPENELECTRONICS

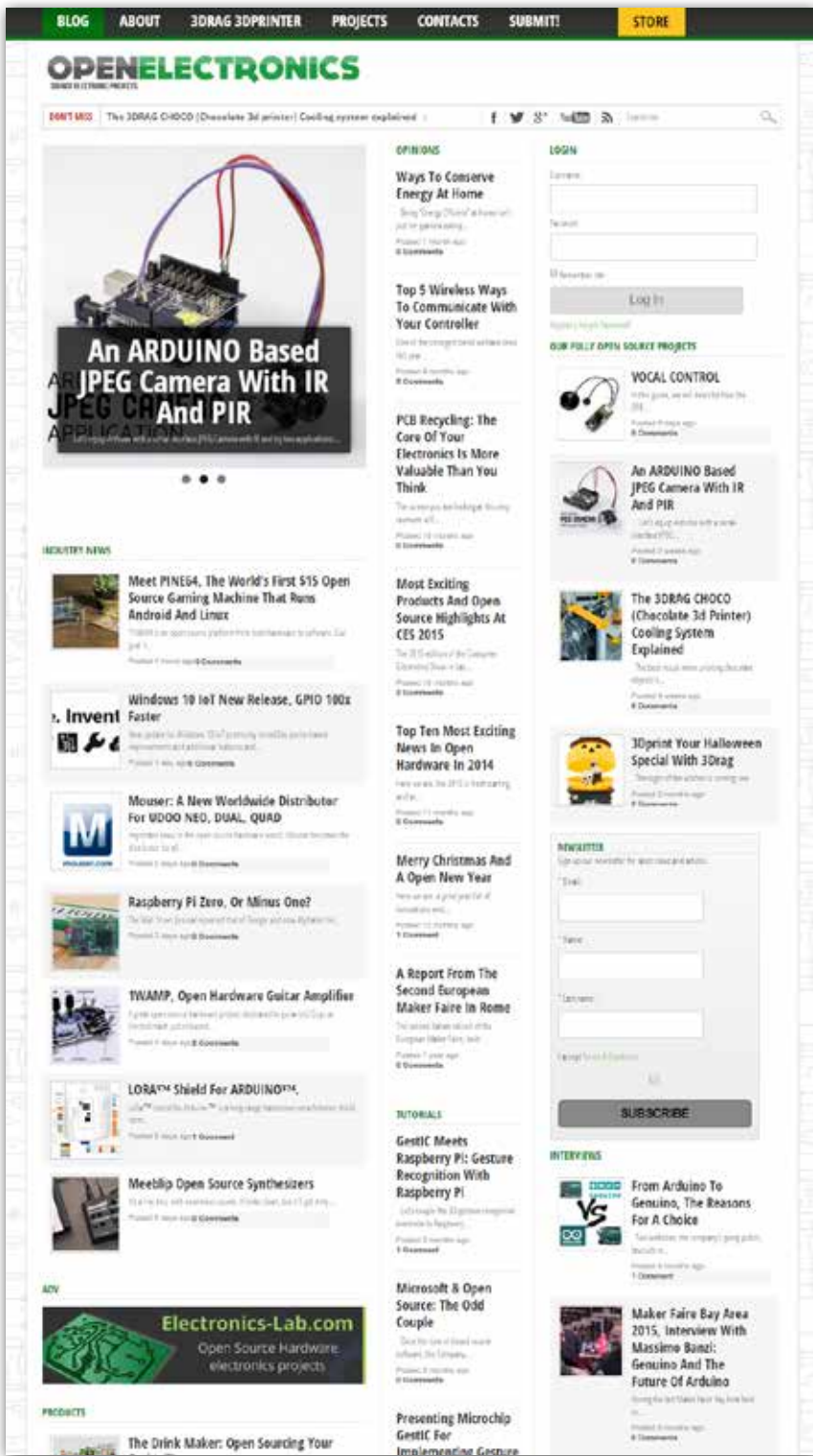
SOURCE ELECTRONIC PROJECTS

[www.open-electronics.org](http://www.open-electronics.org)



Contact us at: [adv@futuragroupsrl.it](mailto:adv@futuragroupsrl.it)

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# THE SITE

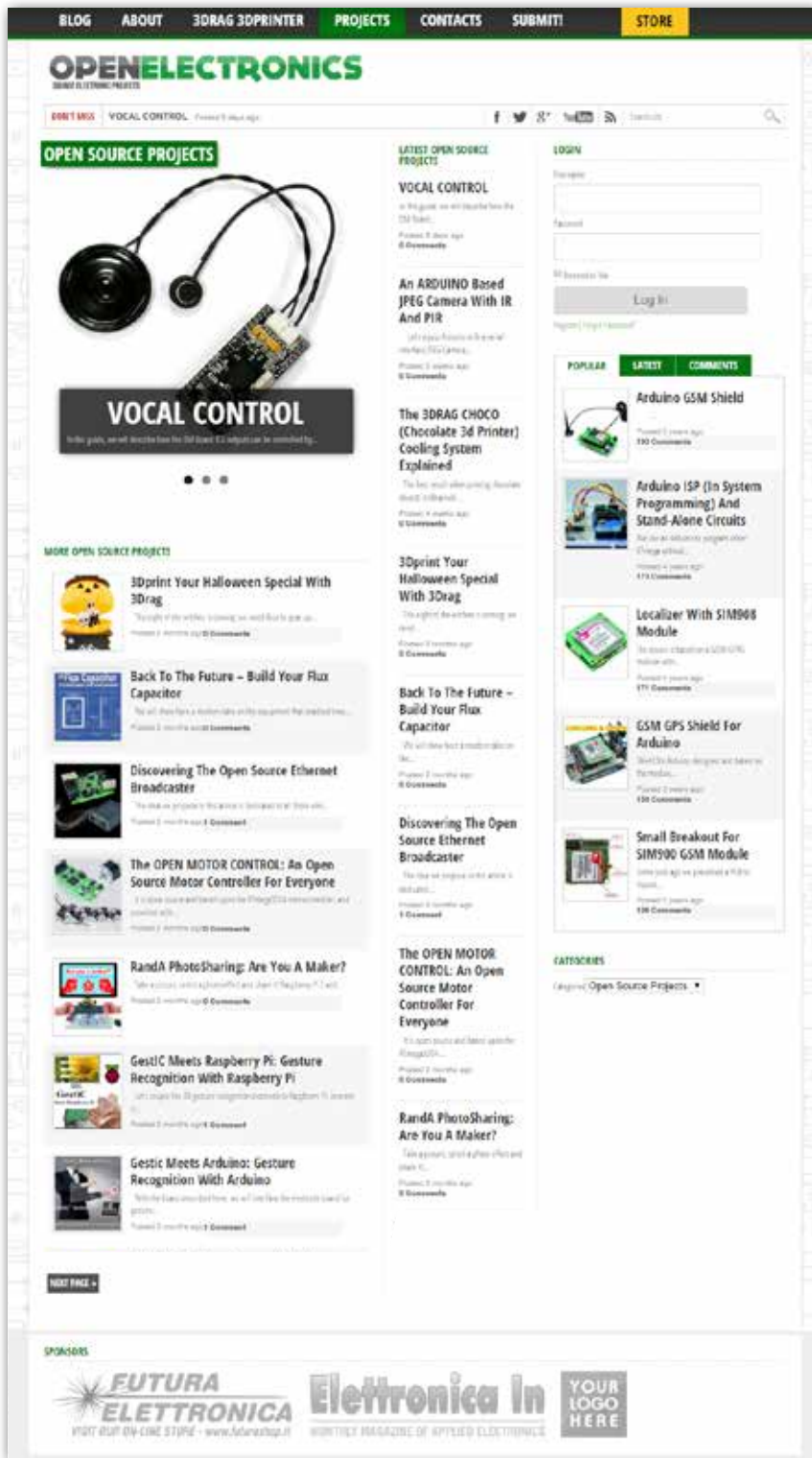
Open Source Electronics is the brainchild of a world leader in hobby electronics **Futura Group srl**.

> **900K**  
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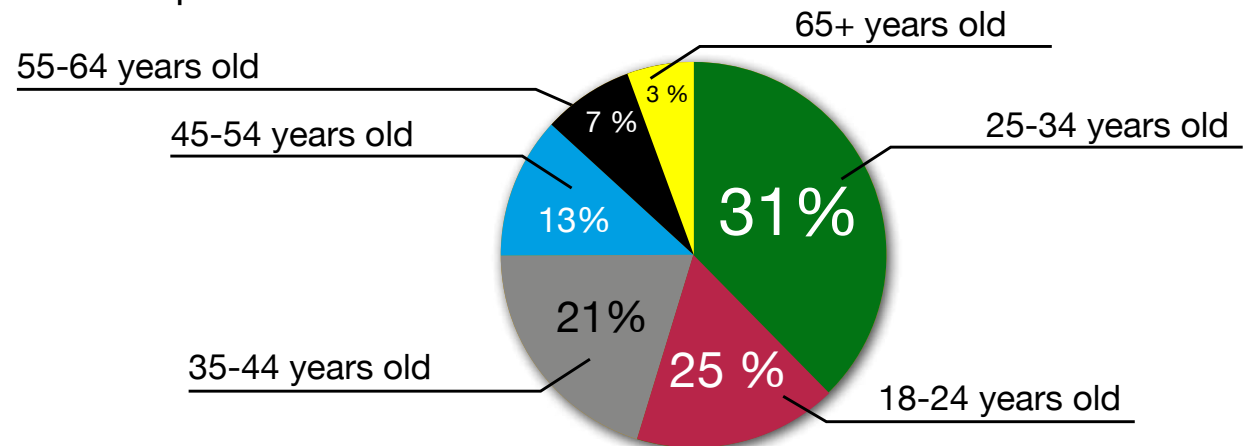
**86%**  
NEW

**14%**  
RETURNING



# AUDIENCE

Open Source Electronics is devoted to support development, hacking and playing with electronics: we share exciting open projects and create amazing products!



**85%**  
MALE

**15%**  
FEMALE

Markets and Technologies	Users
Computers & Peripherals	254.844
Consumer Electronics	143.875
Business & Software	128.177
Employment	89.295
Investment	84.816
Design Software	76.817
Education	72.496
Business Tecnology	61.202

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# OPENELECTRONICS

Source Electronic Projects

HOME VOCAL CONTROL Project 4 days ago

FISHINO: Arduino becomes wireless

By Mark Lambert on December 17, 2010

Why 'Fishino'?

The names come to a joke made on April Fools' Day (in Italian 'Pesce d'Aprile', and 'Pesce', which sounds like 'pesce' means fish) made on an Arduino forum where we "presented" a new board named "Fishino Zero" which had revolutionary technical specs. The symbol, placed on board's picture with a graphical editor, was the small fish which became the actual logo.

The joke was quite successful, and the idea of building such a board soon appeared to us.

The 'UND' part was then added to symbolize the first board of a series and to mark the complete compatibility to Arduino UNO boards, both in term of connectivity and size.

Another Arduino clone?

Not exactly. With this board we aimed to combine the easy-of-use and the enormous amount of available libraries of Arduino with internet connectivity, an almost unlimited memory storage thanks to microSD card slot and, last but not least, an on-board RTC with battery backup, all that at a fraction of the price of an original Arduino with the equivalent set of shields, without increasing board's size beside the tiny 7mm with antenna overhang.

The integration of aforementioned peripherals, in our opinion a must in IoT era, allows the creation of an huge set of appliances which can both be controlled via Internet and upload recorded data to it.

Among the possibilities, all achievable without additional hardware like, for example:

- Home automation systems, manageable with a web browser
- Portable data loggers which can upload data to Internet automatically when a WiFi connection becomes available
- Net-controlled robots that can also transmit sensor data over Internet

The usage of a low cost WiFi module but with customized software to get high performances, which can be used as a WiFi station, access point or both, permits control from a smartphone even in absence of a WiFi connection.

Future ability to upload sketches via WiFi (work in progress), already foreseen on hardware side, will permit to update the appliances with no need of a physical connection to a personal computer.

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This project we presented a 100% module.  
Project 3 years ago  
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# SOCIAL

Open Source Electronics is not just a container of ideas: it is also a web site lead by a team of engineers and geeks who will take part in the discussions and give support. Our mission is to become a reference Open Source hacking site with ideas and feedback aimed to enrich the community.



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FANS

> 84K  
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# YOUR PRODUCTS in our site

## Mouser: a new worldwide distributor for UDOO NEO, DUAL, QUAD

By Staff on December 8, 2016



mouser.com

Important news in the open source hardware world, Mouser becomes the distributor for all UDOO boards:

Dear UDOOers,  
we're ready to announce that **Mouser Electronics** is officially, from now on, **worldwide distributor of UDOO NEO**. Mouser Electronics is already a distributor of UDOO DUAL and QUAD, so this new partnership qualifies the company as a distributor of the entire UDOO product line all over the world.

"We are very happy to start this relationship with Mouser to cover markets worldwide," says **Alessandro Santini**, Sales Manager for UDOO. "Mouser is known for its focus on the rapid introduction of new products and technologies, ensuring that products will be readily available to customers around the world. This is a beneficial partnership for everyone involved as demand for embedded devices and IoT applications and products continues to grow."

"UDOO's single-board computers are helping drive the growth of the Internet of Things as design engineers need tools to quickly prototype solutions and speed-up their time-to-market," said **Russell Rasor**, Vice President, Supplier Management, Advanced Technologies for Mouser Electronics. "With our focus on supporting the design cycle we now have a better way to fulfill demand for this technology across the globe with UDOO's innovative products."

To learn more visit <http://www.mouser.com/udoo>.

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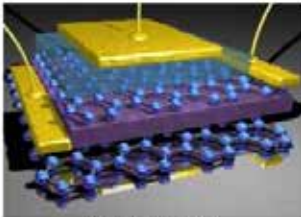
# TEXT LINK ADS in our site

## New electronic components will change lives in 2014

By [Craig Dyball](#) on July 10, 2013

These recent breakthroughs in electrical component technology are likely to have a significant impact on the electronics industry – and on people's everyday lives.

### Graphene – Latest News for Revolutionary Material



(Courtesy: A Zettl)

You're probably aware of the superstar conductor of the future, Graphene: "A wonder material that is the world's thinnest, strongest and most conductive material with the potential to revolutionise diverse applications; from smartphones and ultrafast broadband to drug delivery and computer chips".

... here are some industry breakthroughs that may not yet be on your radar:

Lithium-ion batteries could be enhanced by a [new electrode that uses graphene-coated vanadium oxide ribbons](#). The ribbons are thousands of times thinner than a sheet of paper but have the potential to accelerate development of major applications such as electric cars. Cathodes built into half-cells for testing at Rice University, Texas, fully charged and discharged in 20 seconds and retained more than 90 percent of their initial capacity after more than 1,000 cycles.

### Graphene Silicon Additive Extends Battery Life

...and in similar news, a new [graphene-silicon additive for lithium-ion batteries](#) has just been released for commercial sale. The graphene nanoplatelets increase lithium-ion battery life by four times the current standard and will substantially extend battery lifespan. The breakthrough will likely lead to portable electronic devices becoming lighter and smaller, and should prove useful in the continuing developments in the electric vehicle industry.

### Stay Tuned for Graphene Speakers – The Future of Audio?



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