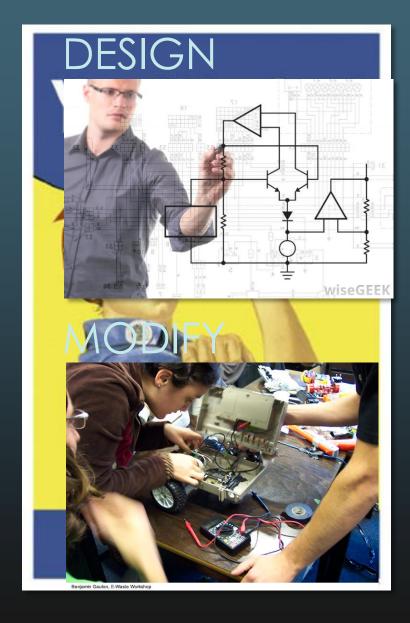
ENABLING OPEN HARDWARE THROUGH FREE AND OPEN SOURCE TOOLS

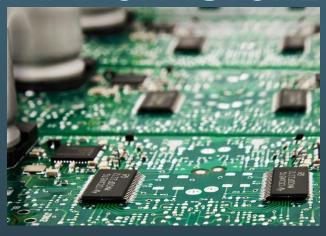
TOMASZ WŁOSTOWSKI MACIEJ SUMIŃSKI JAVIER SERRANO

IT LIGHTNING TALKS

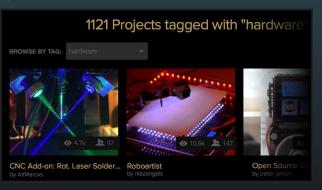
OPEN HARDWARE PHILOSOPHY



MANUFACTURE



SHARE



MHY CERNS

The Organization shall have no concern with work for military requirements and the results of its experimental and theoretical work shall be published or otherwise made generally available.

ARTICLE II OF CERN CONVENTION









OUR INVOLVEMENT

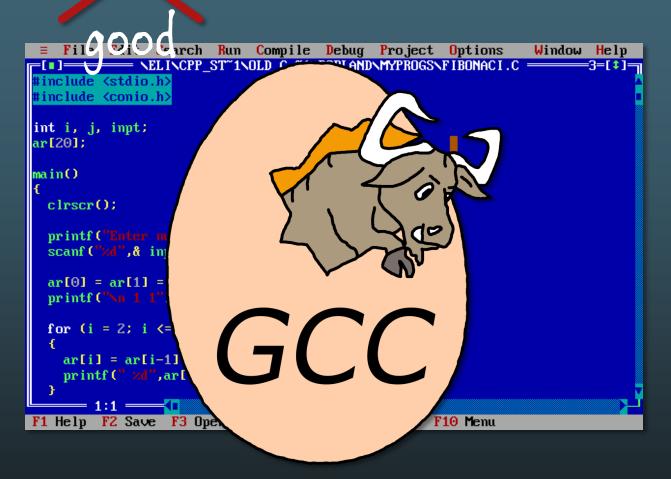
- Open Hardware Repository with hundreds of projects available.
- CERN Open Hardware License
- Development of Open Source EDA tools
- Endorsed by Knowledge Transfer and higher CERN management.

Knowledge Transfer 2015

KiCad: a tool for designing open-source hardware

2015 has been a pivotal year for the KiCad project in many ways. Perhaps the most important one is the shift in perception from professional users who gradually start to adopt it as their production tool: this is confirmed by the wealth of recent development efforts and the buzz around the software itself. The global development community worked hard to polish the software, fix bugs, and improve the documentation and software distribution; all this with a strong contribution from CERN, supported via the KT Fund. The result is the 4.0.1 Stable Release available for download from the project website, for Windows (32&64 bit), OS-X, Ubuntu, Debian and other Linux flavours.

IN THE OLD, BXO 90s



Try to build this using a non-Borland compiler...

SOFTWARE GUYS DID IT!



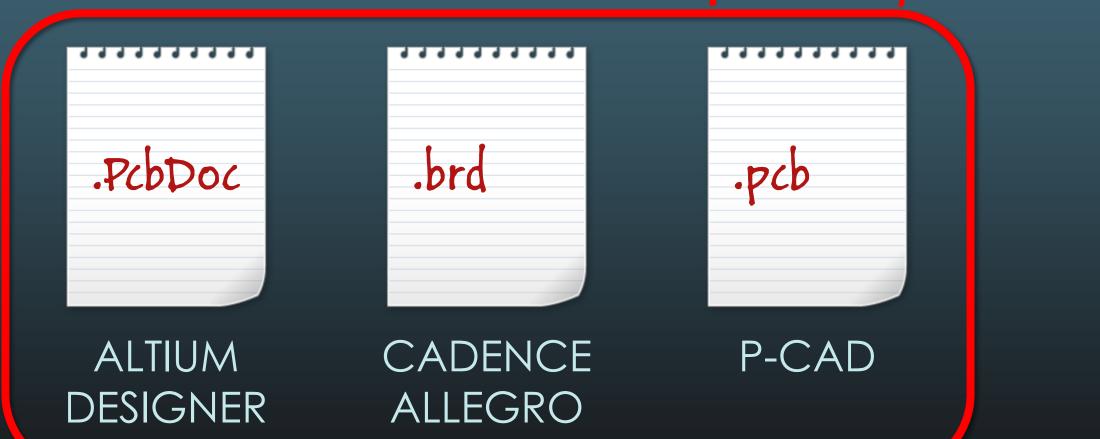
VIM EMACS ECLIPSE NOTEPAD



.exe .out GCC ICC TCC MSVC CLANG

FOR HARDWARE IT IS YET TO COME...

Incompatibility Inside®



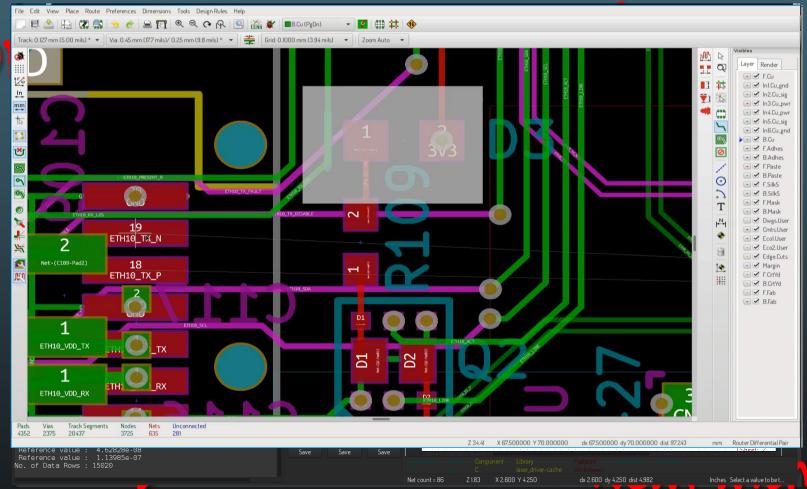
MHA KICYDS

THE GCC OF ELECTRONICS HARDWARE

- SCHEMATIC ENTRY
- PCB LAYOUT
- CIRCUIT SIMULATION
- MULTIPLATFORM
- DOCUMENTED FILE FORMATS

OUR CONTRIBUTION SO FAR...

old, xo





HOW PEOPLE SEE US

COMMENTS UNDER THE P&S ROUTER YOUTUBE VIDEO



Josef Raschen 1 year ago (edited)

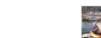
Many thanks! This is a big improvement to Kicad.





Johan Holtby 1 year ago

Wow. I have been looking for this for hours. Thank you very much!



Romain Fontaine 5 months ago

+Rtwo Comm (R2COM) I used it for a couple of boards, the least I can say it that it's a life changer compared to the older versions ;-)



Karl Zeilhofer 1 year ago

you guys did a freaking awsome job! after 2 minutes of this video i had to call one of my best friends to tell him about your features! Thank you very, very much!





su pyrow 1 year ago

That is the sexiest thing I have seen in a long time. THANK YOU THANK YOU CERN!!!





robwasab 2 years ago

I think I just came in my pants: 0





TutoElectro 2 years ago

Awesome! Great work Tom!





fudgesauce 2 years ago Impressive! Thank you!

Reply • 1 if 9



marcin longlastname 2 years ago

This is friggen awesome!!!!!!

Add in length matching and bam, I will never pay 10,000 USD for Altium ever!



Abdullah Kahraman 2 years ago I cannot say how happy I am! Thank you!



Mtaalas 2 years ago

OMG!

I have waited this for so long! There's just no package with decent price that has these tools! I hope it'll rival even those of Altium designer (bus routing and such). I have waited that Kicad could be used for serious work and this Cern branch really gives me hope!:)

Read more







Want to code cool stuff?

Work with a team of great C++ programmers?

Make an impact on society?

