



net**CIRCUIT**labs

Remote Electronics Circuits lab from EMONA

Analog & Digital

Remote Access of Hardware Labs



AT HOME



IN CLASS

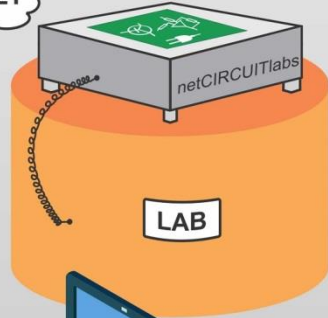


INTERNET

LAN

INTERNET

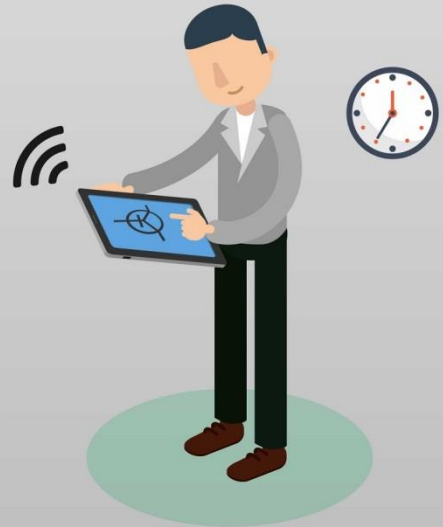
LAN

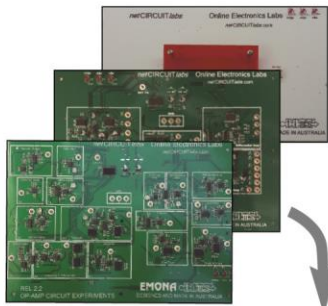


LAB

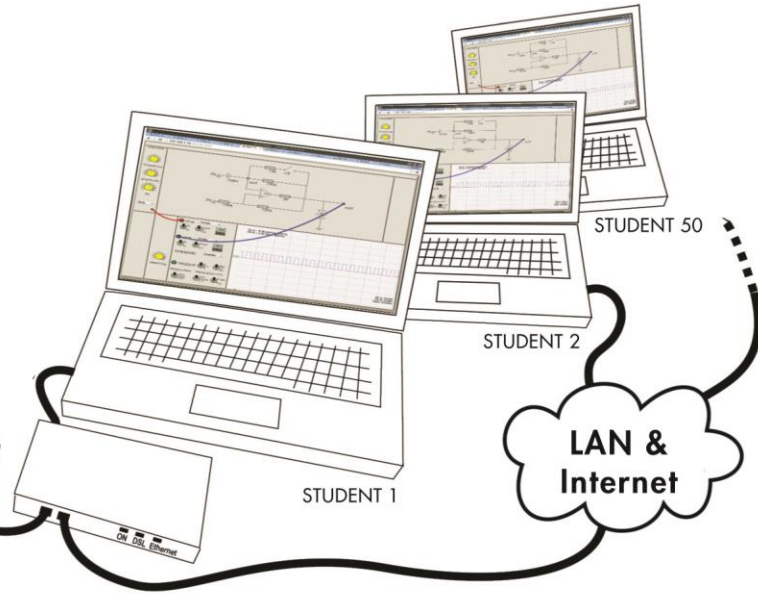
ANYTIME

ANYWHERE





**A COMPLETE LAB
OF EXPERIMENTS
ON EACH PLUG-IN
BOARD**



Emona Instruments - Sydney, Australia

Emona has been designing and manufacturing TIMS, the premium range of products in Telecoms teaching hardware & Software, for the past 25+ years.

They have now introduced **netCIRCUITlabs**, a revolutionary platform for Electronics courses.

What is netCIRCUITlabs?

Let's make it clear:

This is **NOT SIMULATION** software running in the cloud OR on a PC.

It is a **REMOTE LAB**...like a **real hardware lab**...but accessed **remotely**.

What system do you get?

A netCIRCUITlabs system consists of a hardware control unit & plug-in boards

You get different plug-in boards to use on the hardware box, one at a time.

Each plug-in board is a 'LAB' with a number of experiments.

Currently, we have 4 such boards (labs) to choose from.

BJT Transistors, Op-Amp, Digital Logic & Breadboard Circuits

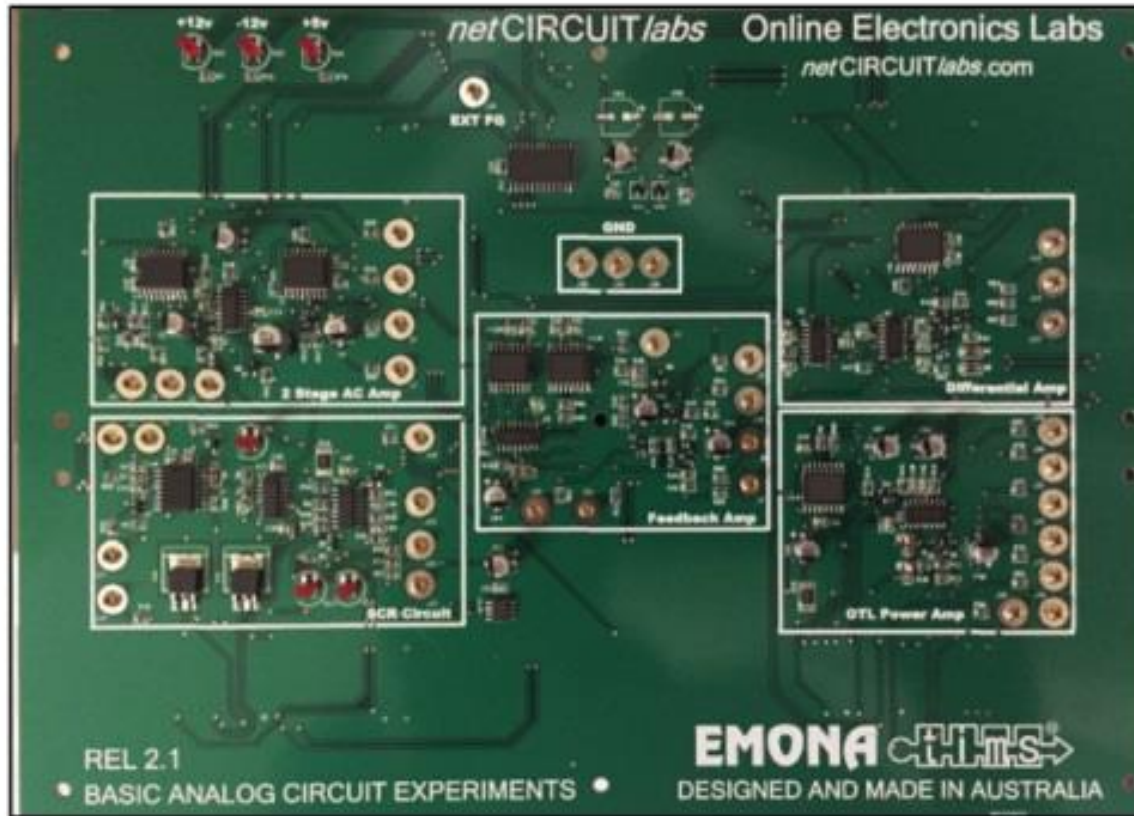
netCIRCUITlabs Hardware Control Unit

The **plug-in board** connected – which contains a number of experiments

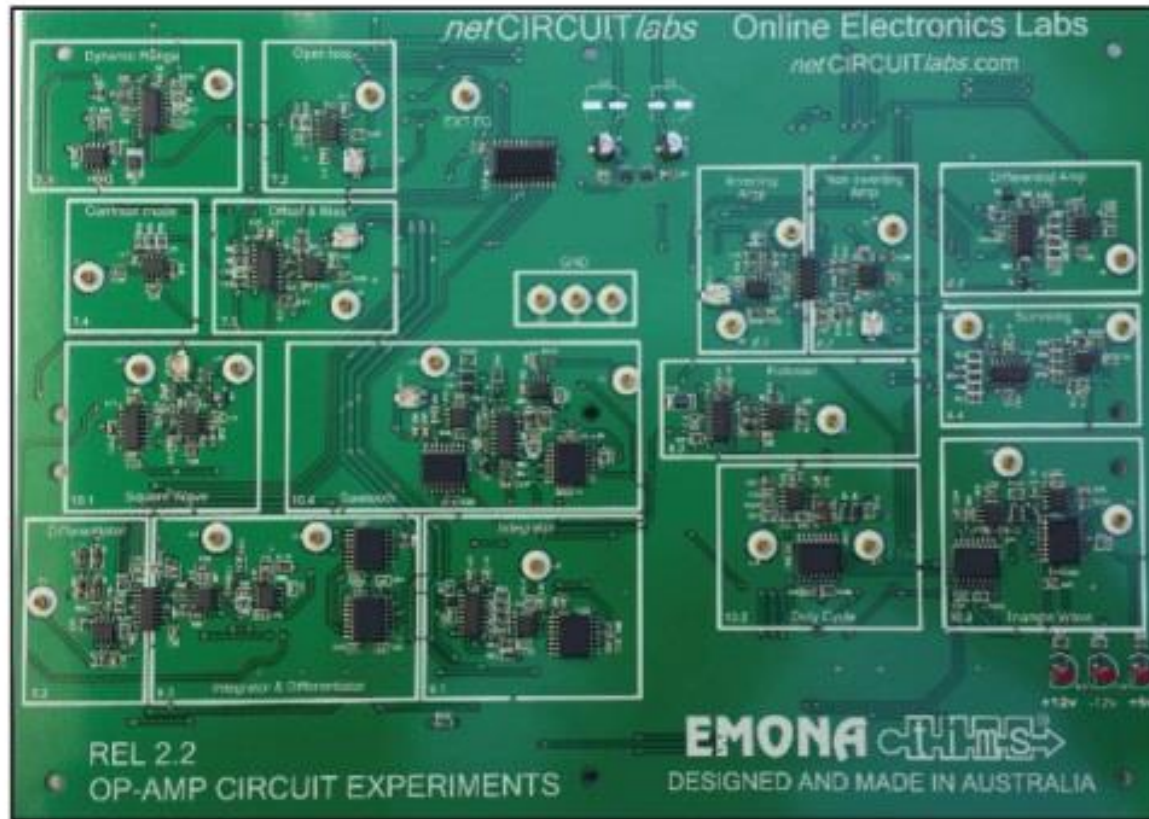


The Control Unit stays at your lab or office connected to LAN/Internet

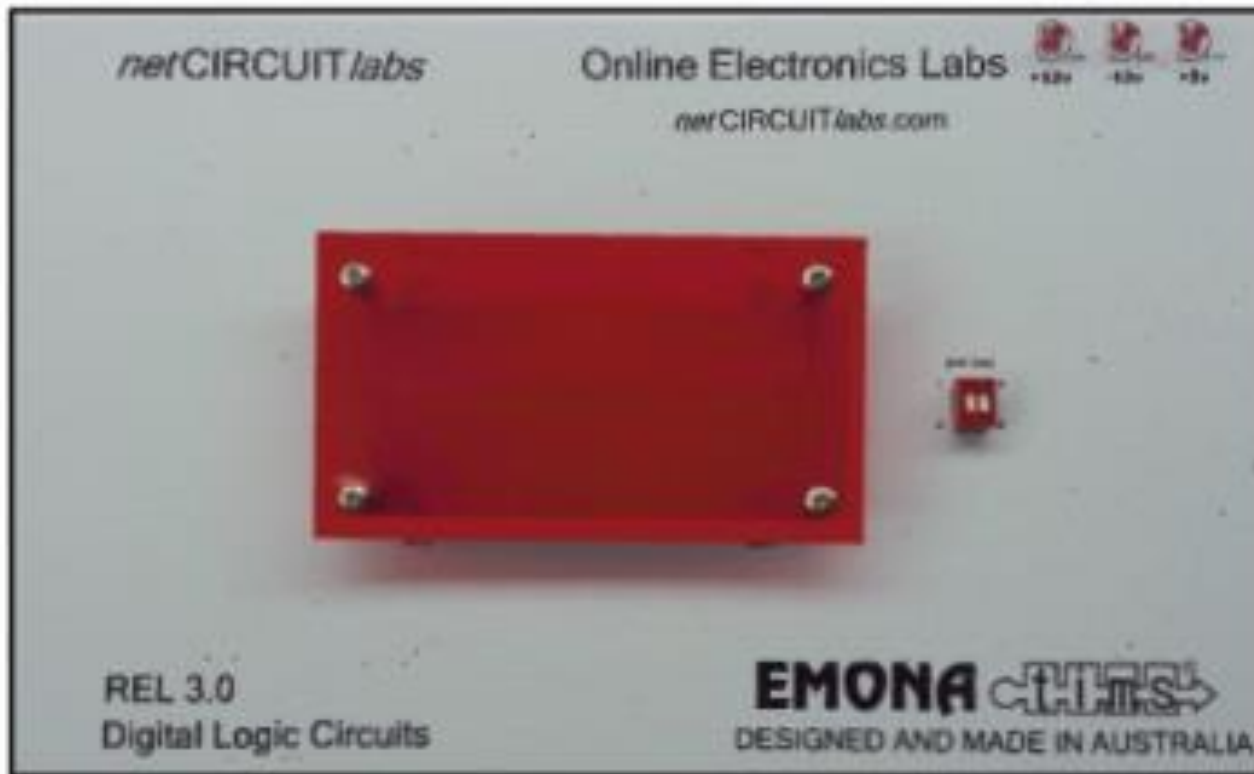
Analog Experiments Plug-in Board



Op-amp Circuit Experiments plug-in board



Digital Logic Circuits Plug-in board



How does it work?

The netCIRCUITlabs control unit is connected to LAN/Internet and one of the LAB boards is plugged into it.

Now, **30 students can connect to the system at the same time**, and do their own independent experiment sessions.

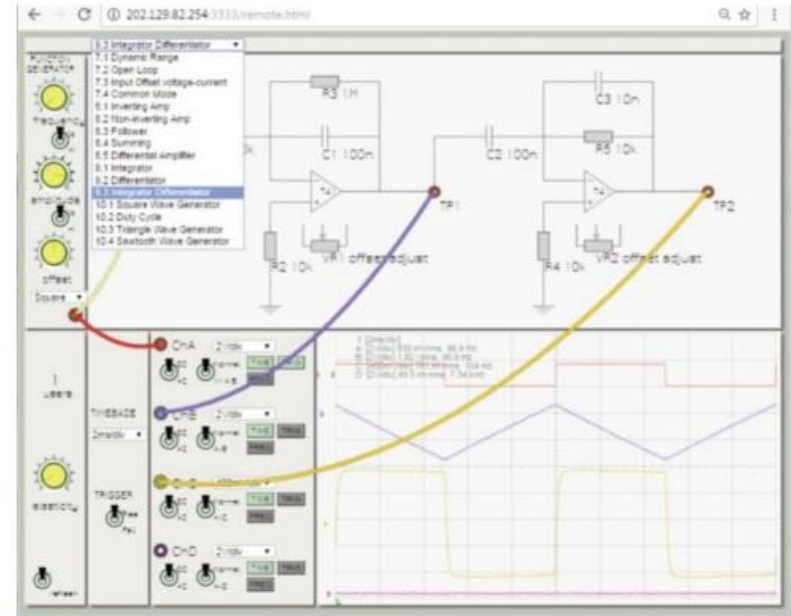
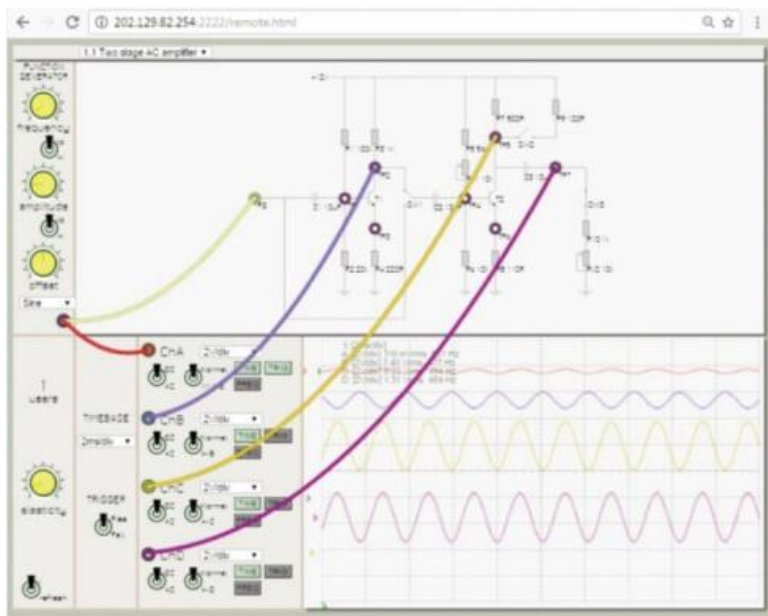
From anywhere!

From the classroom, in the bus, at home – wherever they have an internet connection

NO SOFTWARE INSTALLATION, NO CODING

Just go to the browser (Chrome, IE or Firefox) and access the experiments.

Experiment control at student's PC screen



Adjust the potentiometers, flip switches, see real waveforms, save the wiring and do a lot more – by controlling the hardware from your browser

Let's emphasis again:

We are **NOT** talking about **SIMULATION**

Students are controlling the **REAL** hardware circuits from a distance with their browser.

And getting **REAL** waveforms back on their screen as the result

What is the benefit for Universities?

One piece of equipment – 30 students at one time,
hundreds of students at different times.

24 x7, 365 days – Extreme flexibility for students,
teachers & course schedule.

Save cost, save storage space, increase lab access time.

Supplied ready-to-use.

Unpack, power-up & start delivering the labs straightaway.

Be at the forefront of the IOT revolution

Want to tryout?

For Demo, We have 4 hardware units with plug-in boards at Emona Sydney office.

We can provide you a unique username & password to try all 4 labs, for 2 weeks.

Try the experiments with complete features.

Let's know your feedback, and we can submit a proposal for the labs you prefer.

Let's demo it for you now

We currently have 4 netCIRCUITlabs “control boxes” (web server boxes) live on-line, and each has a different applications board plugged-in.

1. DIGITAL ELECTRONICS: <http://202.129.82.254:1111/>
2. TRANSISTOR CIRCUITS: <http://202.129.82.254:2222/>
3. OP-AMP CIRCUITS: <http://202.129.82.254:3333/>
4. BREADBOARD CIRCUITS: <http://202.129.82.254:5555/>

Username: **user**

Password: **visitor**

Thank You !