



MONITOR & ANALYSE YOUR ENVIRONMENT

EUCA Technologies (Pty) Ltd.



euca

euca.co.za

Maximizing your
environment's
potential →

442+

Product Options

75+

Monitoring Parameters



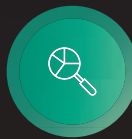
Start building
the network your
environment needs →

Available on the EUCAtech Store →



ENVIRO UTILISATION CONTROL & ANALYSIS

Oh, you were wondering
what it is that we do here
at EUCA? You didn't
notice the acronym in the
name?
That's ok, we like to keep it
simple, just like our
solutions.



LEVERAGING IOT 4 U

Designed for full
spectrum data analysis.
A LoRaWAN enabled
out-the-box IoT
connected hardware,
creating a smarter
ecosystem.



POWERFUL DATA VISUALISATION

Being leaders in the
field of fixed and portable
data acquisition systems,
powered by the enterprise
Internet of Things (IoT),
visualised on your
Smart device.

DATA IS INTEGRITY THE MORE YOU KNOW THE MORE YOU GROW

Our company provides comprehensive services related
to the setup & maintenance of our products & IoT
ecosystems. Including installation, repairs &
refurbishment, creating the environment for
optimal performance across many applications.

Learn More on the Be Green Blog →



euca.co.za/blogs/be-green

ATMOSPHERE

CO | CO₂ | O₂ | PM_{2.5} | PM₁₀
NO₂ | H₂S | TVOC | NO | O₃ | SO₂

LITHOSPHERE

air velocity | barometric pressure | evapotranspiration
precipitation | rainfall | solar radiation | leaf wetness
NPK | kPa | pH | VWC | soil conductivity

HYDROSPHERE

HERE
dissolved oxygen | level | flow
| turbidity | TDS

E-IOT MONITORING

environmental
parameters

1. Improve Yield & Quality
2. Better Grow Schedules
3. Waste Less Resources
4. Reduce Crop Loss

From field to
process - expand
your IoT ecosystem

**15 KM
RANGE**

30%

ENVIRONMENT 1st

**Monitor
& Protect**



Why not start the journey
to connected growth today?
Visit www.euca.co.za for more

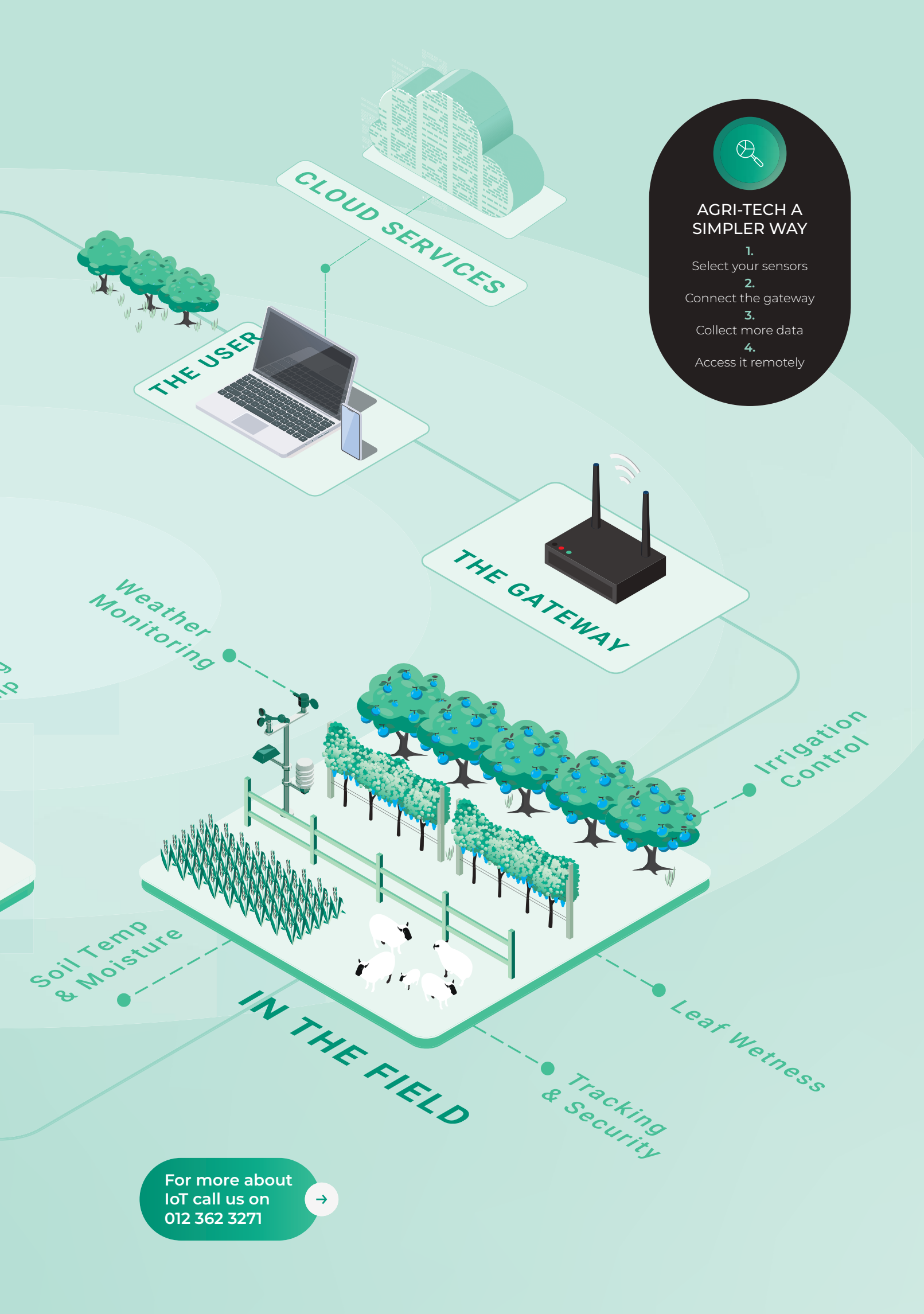


E-IOT ECO SYSTEM

We are the e-IoT
experts - more
tech = more data



The above schematic expresses visually the basic layout of your typical sensor network. The e-IoT ecosystem can support many varieties of sensors and gateways, allowing you to connect and monitor your site from anywhere in the world (yes, we're serious!).



AGRI-TECH A
SIMPLER WAY

- 1. Select your sensors
- 2. Connect the gateway
- 3. Collect more data
- 4. Access it remotely

THE USER

CLOUD SERVICES

THE GATEWAY

IN THE FIELD

Weather Monitoring

Irrigation Control

Soil Temp & Moisture

Leaf Wetness

Tracking & Security

For more about
IoT call us on
012 362 3271



E-IOT **vs.** MONITORING ANALOG

Today, monitoring systems play an essential role in agriculture. With the rise of IoT & M2M

Learning, businesses and individuals are increasingly turning to systems like the one's EUCA can supply and support to collect and analyse large amounts of environmental data in real-time.

While traditional analog monitoring systems still have their place in many environmental applications. It's important to understand the benefits of each approach when choosing the best monitoring solution for your needs.

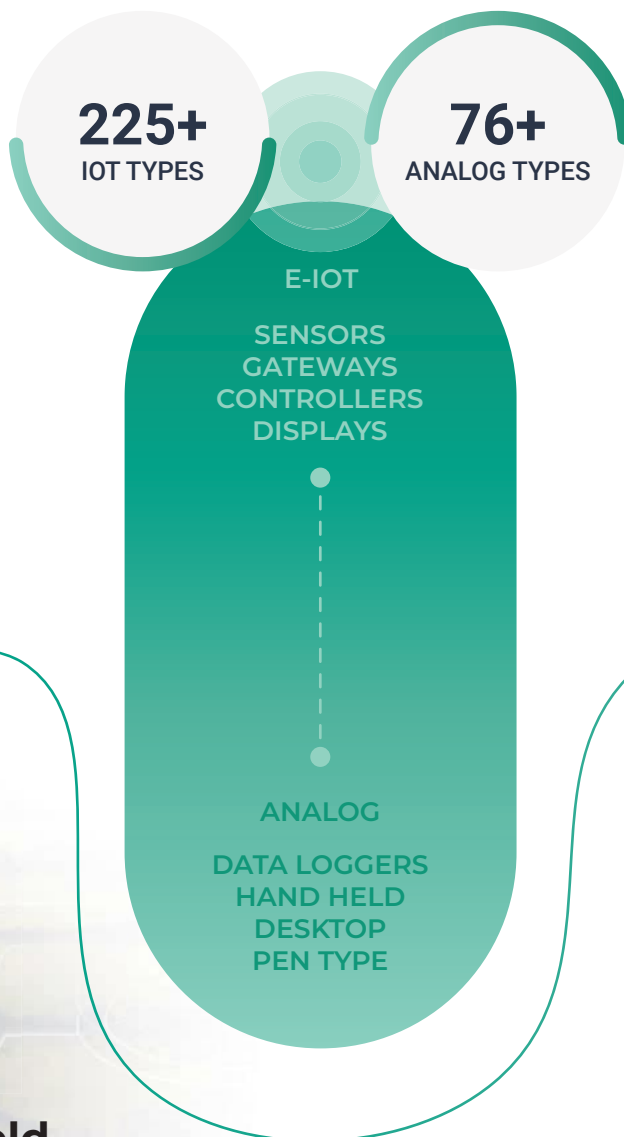


Hyper-local weather data at your finger tips



8-in-1 Micro Weather Sensor

Monitor air temperature, humidity, wind speed/direction, rainfall, light intensity, UV index, and barometric pressure data.



Hand-held Water Quality

Interchangeable probes to measure water pH, Conductivity or TDS/Salinity/Dissolved Oxygen attaching up-to three parameters at once.

CHOOSING THE RIGHT SOLUTION

IoT monitoring can provide real-time data on environmental factors that affect daily operations. This data can be used to automate irrigation and fertilization systems, optimize crop yields, and improve livestock management. Identify pest and disease outbreaks early, allowing time for corrective action before significant damage occurs.

SIMPLE AND EASY TO DEPLOY

When it comes to analog monitoring technology it is reliable and well tested.

With lower initial investments and maintenance costs, this device type is ideal for smaller operations, that may not have network connectivity or the technical data requirements.

Temperature & Light Logger

Waterproof data logger is ideal for long-term deployments in streams, lakes & oceans.



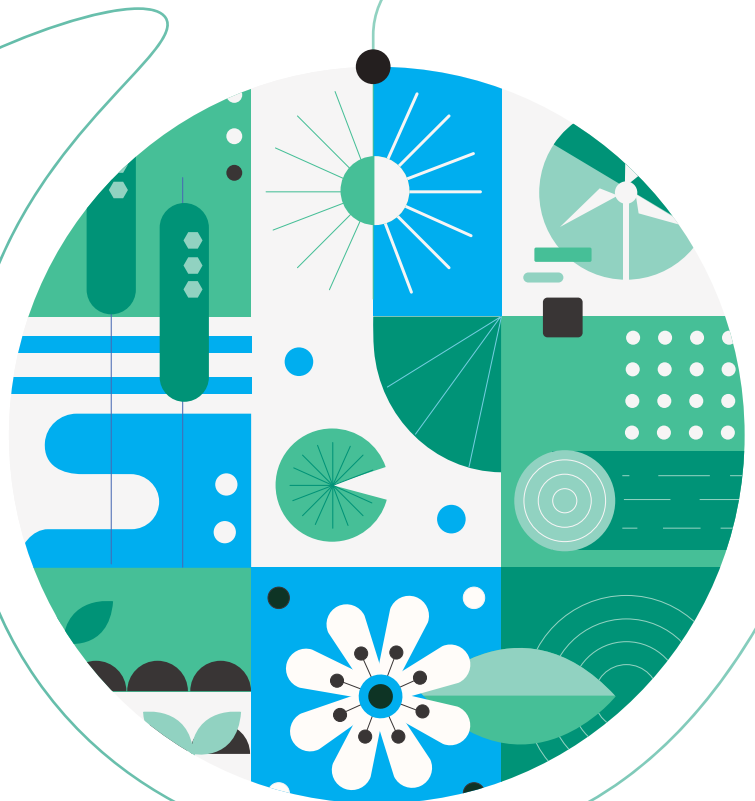
“Fertile soil alone does not carry agriculture to perfection.
- E.H. Derby



KEY SOLUTION FACTORS

- i. Data Collection & Analysis
- ii. Automation & Control
- iii. Compliance & Security
- iv. Maintenance & Repair

The choice is there, the requirements determines it all.





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