



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 (eIoT), 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 →



SCAN THIS IF YOU WANT SOLUTIONS

euca.co.za/blogs/be-green



Data driven cultivation & pest modeling →

SMART AGRI

ATMOSPHERE

CO | CO2 | O2 | PM2.5 | PM10
NO2 | H2S | TVOC | NO | O3 | SO2

LITHOSPHERE

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

HYDROSPHERE

humidity | PAR | lightning & smoke detection | level | flow
soil moisture | temperature | NPK | kPa | pH | VWC | soil conductivity
temp | salinity | turbidity | TDS

E-IOT MONITORING

environmental parameters



INTELLIGENT CLIMATE DATA

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



ENVIRONMENT 1st

Monitor
& Protect



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

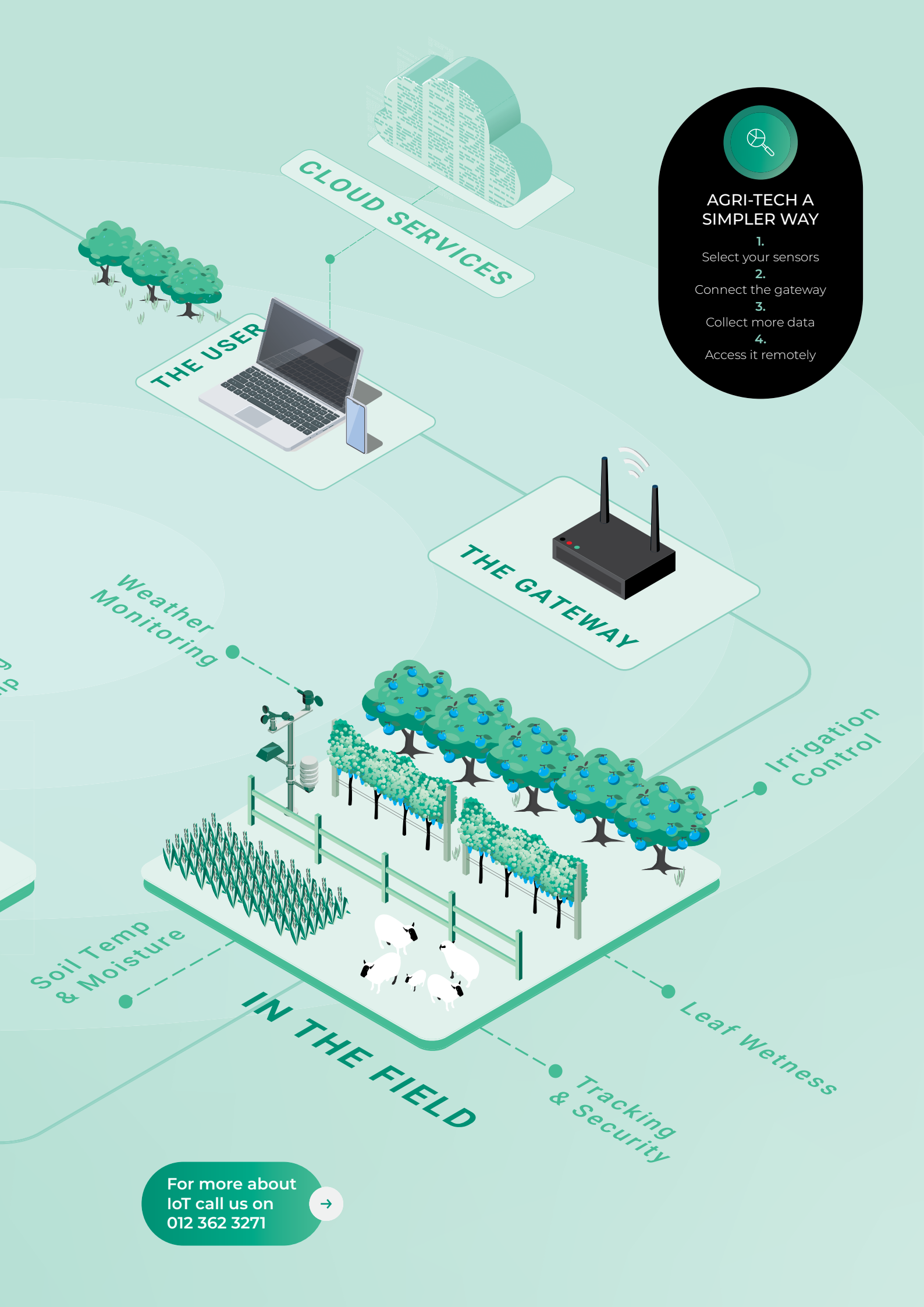


E-IOT ECO SYSTEM

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

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.



225+
IOT TYPES

76+
ANALOG TYPES

E-IOT

SENSORS
GATEWAYS
CONTROLLERS
DISPLAYS

ANALOG

DATA LOGGERS
HAND HELD
DESKTOP
PEN TYPE



Hand-held Water Quality

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

58%

36%

73%

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

The choice is there, the requirements determines it all. →

PPECB CERTIFIED

Helping farmers comply + reduce waste through accurate tracking +



KEY SOLUTION FACTORS

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





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