





Spark IoT is a pioneer in the DeepTech product development industry. We exist at the intersection of innovation and engineering, building transformative technologies that redefine how society and industries operate.

Our expertise lies in Industrial Internet of Things (IIoT), Machine Vision, and Aerospace Technology, where we design, develop, and deploy solutions that solve complex challenges with measurable impact. Spark IoT also partners with businesses to bring their ideas to life, we offer outsourced development services covering:

PCB Design & Manufacturing

Full-Stack Software Development

Cloud-Hosted Infrastructure

Custom Enclosures



Boost efficiency, increase stock accuracy and maximise orders.

BATCH NR: 3007004

MFG DATE: 09/07/2025
EXP DATE: 09/12/2026



UNIT 78



CLASSIFICATION

SKU: EGF168YTR
15kg, 8 units



RealCount is an advanced inventory management solution that enhances stock control, boosts production and increases sales. It automates data aggregation, integrates with ERP systems and eliminates human error through real-time stock monitoring.

It's dashboard offers a comprehensive view of the product lifecycle, enabling production planning, target setting, tracking rates and instant alerts.

RealCount's visual detection technology accurately classifies and counts products, even with multiple SKU's on the same line, ensuring you stay in control and responsive to demand changes.

Features

Reduced Inventory Gaps

RealCount provides real-time stock counts, allowing you to address shortages before they impact sales. This optimises inventory control by balancing stock demand with available inventory, ensuring you're never out of stock or overstocked.

Holistic Product Lifecycle Management

Get a complete view of your product lifecycle with RealCount's intelligent dashboard. Create production plans, set targets, track rates and receive instant alerts for issues. Data is clearly presented and can be exported into reports, providing insights to optimize your supply chain.

Accelerate Order Fulfillment

Our systems give you easy and transparent access to real-time stock levels, which means sales agents can quickly and confidently create sales orders for increased customer satisfaction.

Set Production Targets In Real Time

Improve decision-making and production output by setting production targets that can be viewed and monitored by staff working on the production floor.

Accurate Product Classification

By using state-of-the-art visual detection technology, RealCount accurately recognises, counts and classifies products in any inventory, even when multiple stock-keeping units are produced simultaneously on the same production line.

Accurate Stock Tracking

You don't have to worry about the status of your stock or how much stock you have left. RealCount enables you to effortlessly track stock so that you know exactly where it is in the production cycle.

Simplified Backflushing

Eliminate human error caused by manual data collection. RealCount enables you to automate data aggregation and pull production data into your ERP system with minimal human intervention so that you can calculate production expenses and inventory costs more efficiently.



Advantages

Scalable

RealCount scales seamlessly with your business — from a single location to multiple sites across the globe.

Dynamic

RealCount is a versatile solution that can function in any production industry.

Cloud-based

Monitor data, receive alerts and manage your production solution from any web-enabled device.

*Optimise your crop and livestock
production through precision
farming technology.*

MACHINERY



LIVE STOCK



FARMING



At ifings, our team of experts are passionate about developing products that help improve the way you do business.

Our IoT solutions allow you to automate your business operations, respond to issues before they occur and solve complex problems effortlessly and intelligently.

Our Enviro solutions enable you to monitor environmental metrics on your farm to ensure animals are comfortable, safe and productive, while the Grow range helps you maximise greenhouse yields by automating temperature and humidity control, irrigation and fertigation.

What we can help with...

Automated Fertigation

Our fertigation solution helps ensure your greenhouse and indoor crops receive the perfect ratio of nutrients every time at the perfect pH level to maximise plant growth.



Farming

Custom Irrigation Schedules

Set up custom watering schedules from any web-enabled device to match your indoor and greenhouse crops' unique needs.

Healthy Greenhouse Crops

The presence of mold and fungus in indoor crops and greenhouses can spell disaster for your plants and usually indicates excessive humidity levels. iFings will immediately warn you when greenhouse becomes too humid before it can affect your crops.

Detect Leaks

If a leak goes undetected, it could affect your ability to water crops and provide livestock with drinking water. Our solutions assist by detecting the smallest of leaks in troughs, pump rooms, water tanks and more.

Prevent Theft

Never worry about farm security—get alerts for any movement in restricted areas or gates opened after hours, helping you prevent theft before it happens.

Prevent Equipment Failure

Broken pumps or equipment can cause major disruptions—get instant alerts to act fast.

Boost Crop Yield

Provide your indoor crops with a reliable, adjustable artificial light source to flourish.

Live stock



Optimise Animal Welfare

Our solutions help you monitor and adjust the temperature and humidity in barns and enclosures as well as their levels in troughs to ensure your animals are always comfortable for maximum livestock production.

Create Crop Feeding Profiles

Because crops require different nutrients during different growth stages, our solutions enable you to create custom feeding profiles for each stage of growth and for optimising yield goals.



Machinery

Receive Diesel Level Alerts

Never run out of diesel again. iFings' diesel-level sensors alert you whenever fuel levels get low, so you stay in control, informed, and prepared.

How it works...

Vibration Sensor

By monitoring the vibrations generated when equipment is running, iFings will detect when implements stop working.

Motion Sensor

Monitor any indoor building or barn for human movement with our passive infrared motion sensor, which can detect human movement at distances of up to 12 m.

Smart Plug

Switch any device on or off remotely and monitor its power consumption to reduce costs.

Contact Sensor

Our easy-to-install contact sensors use magnets to monitor the status of windows, gates or doors so that you know when these entryways are opened.

Nutrient Mixer

Our nutrient-mixing solution effortlessly ensures that your crops receive the right balance of nutrients every time while also automatically measuring and adjusting where intervention is needed – iFings will measure and mix at any interval you set.

Diesel Level Sensor

Diesel level monitoring is simple with iFings. Simply replace the diesel cap with our sensor to monitor and receive alerts on any diesel level loss remotely, at any time, at your convenience.

Temperature and Humidity Sensor

Our temperature and humidity sensors enable you to measure temperatures from -40°C to 80°C so that you know exactly what the conditions in your greenhouses and enclosures are.

Water Pressure Sensor

iFings' water pressure sensors assist you in monitoring water pipes and pressure levels so you always know if the water pressure is ideal.

Leak Detection Sensor

Using highly sensitive leak detection sensors, our sensors will alert you the smallest of leaks before they can affect your water system or farm.



*Seamlessly monitor your business
and respond to environmental
changes in real time.*

POULTRY



MANUFACTURING



AGRICULTURE



At ifings we are passionate about developing products that can help improve the way you do business. Our IoT solutions allow you to automate your business operations, respond to issues before they occur, and solve complex problems effortlessly and intelligently.

Regardless of the industry you're in, your business environment is surrounded by all kinds of valuable data that Enviro can translate to unlock a new layer of insight, intelligence, and automation. Whether you want to monitor temperature, humidity, movement or light in your business, Enviro does it all and more. Our innovative environmental management solutions enable you to monitor every aspect of your facility's physical environment and automate decisions based on the rules you set for your environment. With Enviro on your side, you can prevent issues from going undetected and take immediate action with real-time notifications when things go wrong.

Unlock a deeper understanding of your facility's physical environment to improve decision-making, streamline operations, and automate processes within your business.

Features



Automatic Control

Automate any room, space or process so you don't have to worry about tracking environmental metrics manually. Easily establish rules for a wide range of environmental conditions in response to changes in the physical environment.

Enhanced Quality Control

Quality control issues and increased costs can occur when environmental conditions exceed safe limits. With Enviro, you can set rules for all your environmental metrics and receive real-time alerts if any parameters are exceeded.



Preventative Monitoring

Prevent issues from going undetected and take immediate action by receiving instant notifications when things go wrong. Connecting our sensors to your machinery and equipment allows you to set up automated actions which enable you to immediately resolve issues in your business.

Granular Reporting

Get detailed information about every connected device, room, or process via our online platforms. Easily identify trends within your business and improve operations by analyzing Big Data effortlessly with Enviro.

Improved Data Security

Manage your business with our cloud-based software and apps. iFings uses the latest technology to ensure your data is readily available and accessible while also protecting it from unauthorized access.



Advantages



Modular

Install and combine different, easy-to-integrate devices that meet specific sensing requirements.



Dynamic

iFings provides versatile solutions designed to function in any industry.



Reports

Gain insights into your operations and generate automated reports via our web and mobile platforms.



Keep your yields high and your growth strong in any climate, all year round, with high-performance LED grow lights.

CLIMATE



FERTIGATION



LIGHT



ifings is a technology-focused company dedicated to developing high-tech solutions that improve efficiency, operations, and growth in various industries.

Our team of experts are passionate about helping you create the ideal grow room by providing you with a range of state-of-the-art LED grow lights that are easy to install and suit your every grow need.

- Easy to install
- Multiple lighting options
- Available for a wide variety of applications
- Space-saving

Optimal Grow Conditions

Keep your yields high and your growth strong in any climate, all year round, with high-performance LED grow lights.

Our indoor grow lights are specifically designed to help optimize plant growth by substituting sunlight, stimulating photosynthesis, and providing the best light spectrum for your plants' specific needs.



Better quality plants

Because our lights simulate natural light, you can rest assured knowing your plants are getting everything they need to boost photosynthesis and maximize plant growth for a better yield.



Full-spectrum light

Provide your plants the full light spectrum they need for optimal development and the healthiest stages of plant growth.



Safer light proximity

Our lights generate less heat, which makes them safe to use near your plants without causing leaf burn.



Energy-saving

LED lights are highly energy-efficient, making them a smart investment to save on electricity costs while contributing to the environment.



Speed up harvest cycles

Grow lights can be used full-time to speed up growth rates and allow for the maximum amount of plant growth possible.



[VEGETATION: 5000K]



[FLOWER AND VEGETATION: 4000K]



[FLOWER: 3000K]

HARDWARE

FLOWER	240W		480W		720W	
	Light:	Light: Grow Light - 3000K	Light: Grow Light - 3000K	Light: Grow Light - 3000K	Light: Grow Light - 3000K	Light: Grow Light - 3000K
	Size:	Size: 1150mm x 400mm	Size: 1150mm x 800mm	Size: 1150mm x 800mm	Size: 1150mm x 1200mm	Size: 1150mm x 1200mm
	LED Specs:	LED Spec: LED MOD F SERIES GEN3 3000K STRIP	LED Spec: LED MOD F SERIES GEN3 3000K STRIP	LED Spec: LED MOD F SERIES GEN3 3000K STRIP	LED Spec: LED MOD F SERIES GEN3 3000K STRIP	LED Spec: LED MOD F SERIES GEN3 3000K STRIP

FLOWER & VEGETATION	240W		480W		720W	
	Light:	Light: Grow Light - 4000K	Light: Grow Light - 4000K	Light: Grow Light - 4000K	Light: Grow Light - 4000K	Light: Grow Light - 4000K
	Size:	Size: 1150mm x 400mm	Size: 1150mm x 800mm	Size: 1150mm x 800mm	Size: 1150mm x 1200mm	Size: 1150mm x 1200mm
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VEGETATION	240W		480W		720W	
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Gain real-time environmental insights by intelligently monitoring air, climate, and light conditions for smarter decisions.



Stay one step ahead of the elements with our IoT Weather Station Tower — a next-generation solution designed to deliver real-time environmental intelligence.

Built for precision and durability, this advanced station continuously measures air pressure, temperature, humidity, rainfall, wind speed and direction, luminance, and air quality — turning complex weather data into actionable insights. Each sensor works in perfect harmony, collecting and transmitting live data through a seamless IoT network to your connected devices or cloud dashboard.

Whether you're monitoring conditions on a farm, managing energy systems, or optimizing operations in industrial or urban environments, this weather station empowers you with accurate, data-driven awareness. Detect shifting weather patterns, identify air quality changes, and respond proactively to environmental fluctuations before they impact productivity or safety.

With its rugged design and intelligent connectivity, the IoT Weather Station Tower transforms raw atmospheric data into clarity — giving you the knowledge to make smarter decisions, faster.

CLIMATE



WIND



RAINFALL



Features

Air Pressure Monitoring

Tracks atmospheric pressure for accurate forecasts.

Air Quality Detection

Measures PM2.5/PM10, CO₂, and VOC levels.

Temperature Tracking

Provides precise ambient temperature readings.

Humidity Sensing

Monitors moisture for crops and/or equipment.

Rainfall Measurement

Records precipitation volume and intensity in real time.

Wind Analysis

Captures speed and direction for weather insights and safety.

Luminance Detection

Measures ambient light for environmental or agricultural use.

IoT Connectivity

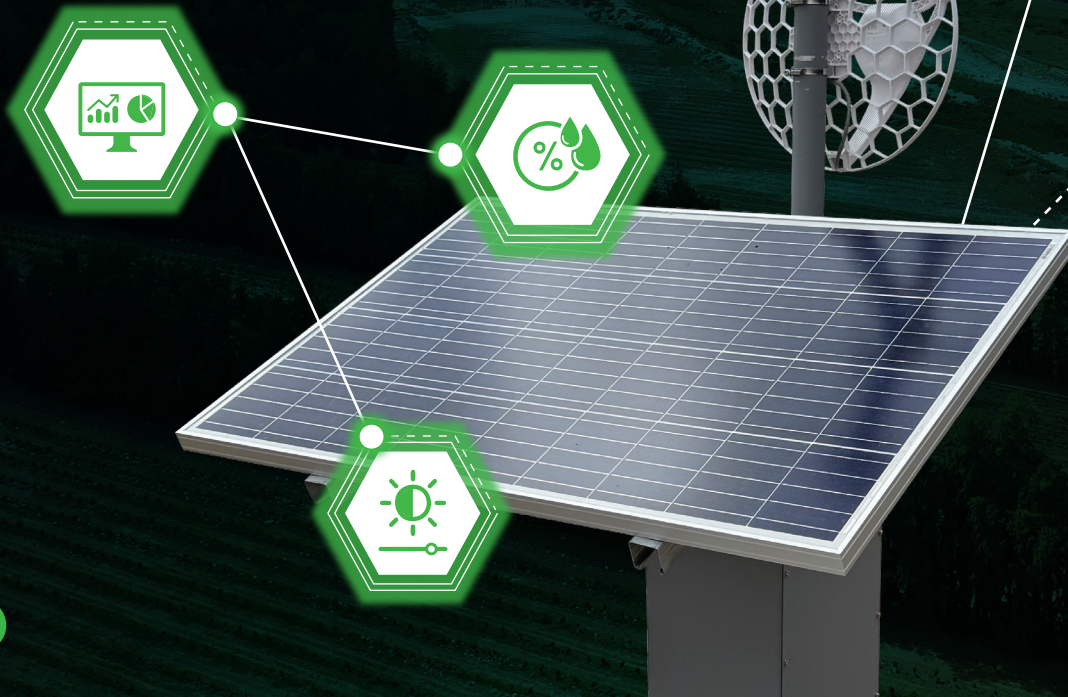
Transmits live data via Wi-Fi, LoRa, or cellular.

Smart Dashboard & Alerts

Displays data online and sends notifications for thresholds.

Durable & Energy-Efficient

Weatherproof design with low-power and optional solar integration.



Advantages

In a world increasingly shaped by data-driven decision-making, understanding environmental conditions in real time is no longer a luxury — it's a necessity.



Real-Time Accuracy

Get precise, up-to-the-minute readings to stay ahead of changing conditions.



Data-Driven Decision Making

Transform weather data into smart, automated decisions that boost efficiency and reduce costs.



Enhanced Safety

Monitor wind, temperature, and rainfall to prevent accidents, protect equipment, and ensure safer operations.



Environmental Awareness

Track air quality, pressure, and humidity to safeguard health, improve compliance, and support sustainability goals.



Remote Monitoring

Access all your data anytime, anywhere — from your smartphone, tablet, or desktop dashboard.



Predictive Power

Use intelligent forecasting and automated alerts to plan ahead, minimize downtime, and maximize performance.



Contact us

*Turn complex challenges into
engineered solutions that
redefine industries.*

info@sparkiot.co.za | sparkiot.co.za
@spark.iot.tech