RTsystems

Corporate Overview

Keeping you up and productive

You need your technology and facilities to operate optimally – all the time.
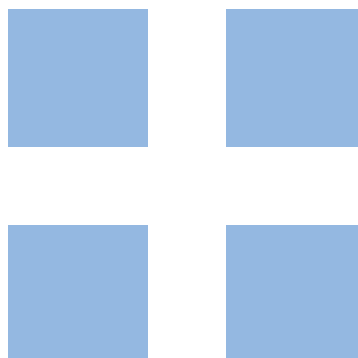
We ensure that they do.

Because we are the most experienced and skilled eyes and ears you could have in your critical infrastructure.

We've been deploying, managing, and monitoring some of South Africa's and Africa's largest and most mission critical data centres, server rooms, and building facilities environments since 2000.

Starting out as a monitoring service, we learned very quickly which infrastructure management and monitoring equipment worked best. We realised that boxes were simply being cobbled together without much attention to how well they worked with one another, what synergies could be enabled, or, simply, how good the equipment actually was. So, we began to source the best equipment available and then design and value engineer mechanical and electrical ecosystems.

As a result, we have evolved into the leading independent provider of integrated solutions that encompass all relevant data centre products and services and those needed for energy management in any building.

This is why we are a preferred partner for both the major IT services companies and systems integrators and niche players in the ICT sector. They rely on us to package monitoring and protection solutions that will ensure the availability and uptime of the cutting edge solutions they implement for their clients. We are also a preferred partner in the green energy, facilities management, healthcare, heavy industry, telecoms, and financial services sectors space.

A plug is not just a plug

There is something of an irony in the fact that, in a world that is becoming progressively more virtual and digital, routine decisions impact not only a business' short term operational efficiency, but also its ability to scale for future growth.

For instance, knowing where and how to plug equipment in, how cool or hot that equipment should be, or how to link your physical and virtual infrastructure dictates how well a data centre, server room, or five star green building functions.

Also, uninteresting as they may seem, electricals can either help grow a business or restrict it. So, choosing and installing electricals is actually a specialist discipline.

And, understanding the entire energy chain, from the transformer to the final server connection, is fundamental to disaster prevention. A comparatively small but specialised piece of monitoring equipment, backed by an experienced monitoring centre, may be all that keeps an organisation functioning under adverse conditions.

In the same way, keeping air conditioning at the right levels and monitoring fire systems may not seem as glamorous as designing a new app. But, if it's done carelessly or without insight into cause and effect or the impact on equipment, a business grinds to a halt.

Keeping the boardroom out of the basement

The only reason any business can innovate with products and services in order to stay relevant in a digital world is because the 'stuff' in the basement is working. Every business today is dependent on clean, reliable power.

Clean, reliable power is possible only because we've engineered the basics to ensure that no matter what demands are made on an organisation's technology or facilities, they will cope.

Also, once the resulting systems are up and running, they stay productive because we're monitoring them with human and machine intelligence and foresight — and the customer organisation's best interests in mind.

In other words, we make sure that there need never be a question asked in the boardroom about what's going on in the basement.

We do it better than anyone else

We are the only company of our kind that provides a complete service. We provide the world's best products for all possible power monitoring and other infrastructure needs.

Benefit to you
You have choice. No vendor lock in.

Our solutions integrate the various products on which your system depends.

Benefit to you
Your costs are reduced. Your productivity is optimised.

We work closely with ICT consultants, facilities companies, and consulting engineers to ensure that the solution delivered is fit for purpose.

Benefit to you
Your systems and solutions function optimally from the get-go.

Our 24x7x365 monitoring and operations centre is equipped to monitor multiple facilities across different geographies – and already monitors more than 2 500 sites.

Benefit to you
You always know what is happening across your entire real estate.

We provide a multi-discipline service. We can dispatch a single team to address the full range of software and monitoring, electrical, UPS, and fire issues at one time. Because of our geographical spread, we can also send multiple teams to several sites in order to close projects quickly.

Benefit to you
You save money. Your time to benefit is significantly shortened.

We are independent.

Benefit to you
You get the most appropriate product for your needs.

We are agile.

Benefit to you
We adjust price and service levels to suit your requirement and budget.

We are responsive.

Benefit to you
You don't wait for a ticket to be processed in an offshore contact centre and an order to come down the line to a local support centre.

All our technicians are fully certified by our vendors.

Benefit to you
You get the best skills on the continent.

We empower our clients, contractors, consultants, end users, and partners through a continuous development and training process – and a raft of managed services.

Benefit to you
You can fully exploit the equipment and services we provide.

We work across a broad range of industries – from healthcare, telecoms, and data centres to financial services and the public sector.

Benefit to you
We understand what your environment and platforms should do.

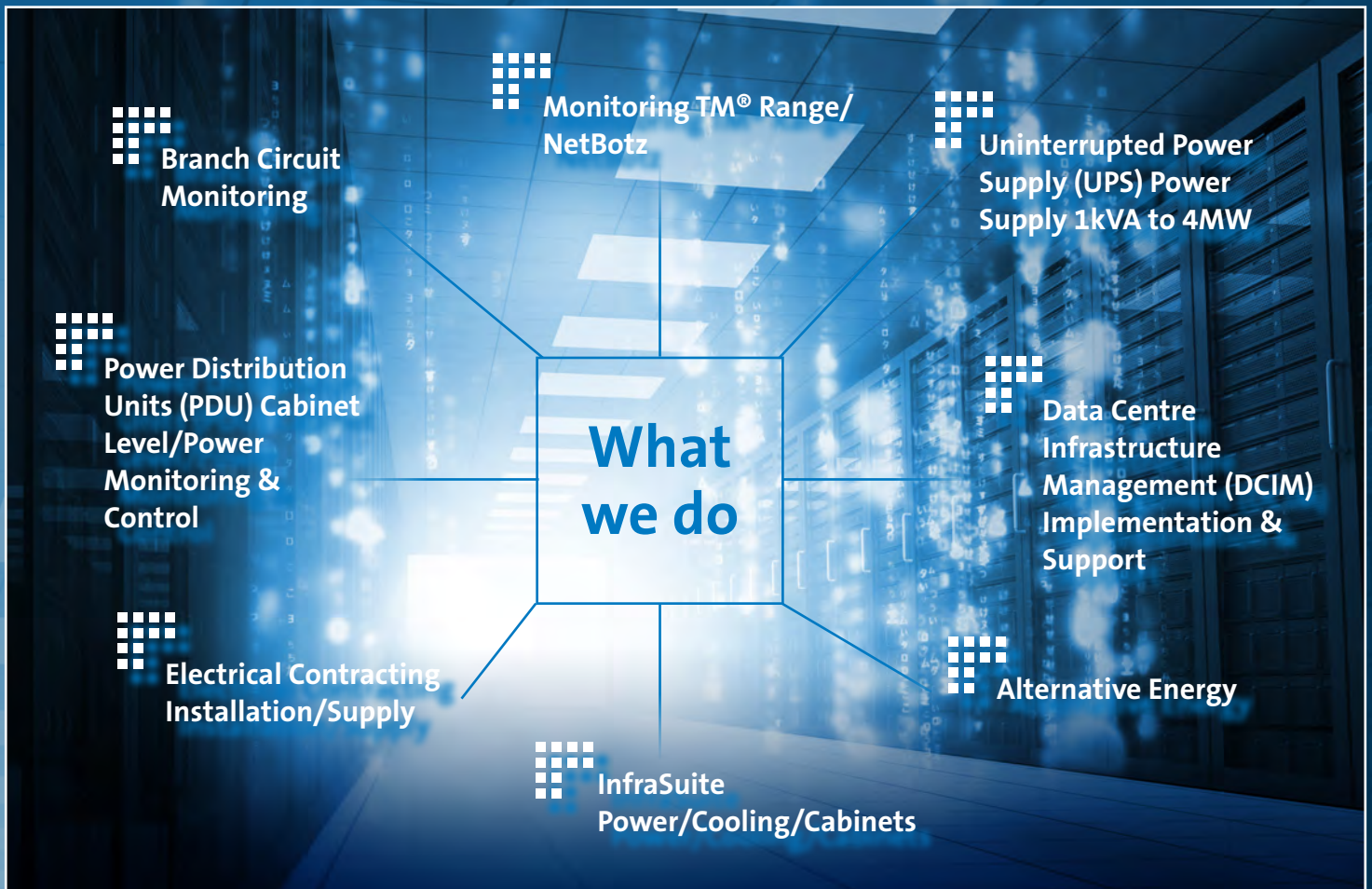Optimising energy usage is central to everything we do.

Benefit to you
You get the best possible energy availability and efficiency – the basis for lower cost operations.

We're on the ground in Africa.

Benefit to you
Our service is personalised. You know our names and faces.

Our Product Scope

What we do

- Branch Circuit Monitoring
- Monitoring TM® Range/NetBotz
- Uninterrupted Power Supply (UPS) Power Supply 1kVA to 4MW
- Power Distribution Units (PDU) Cabinet Level/Power Monitoring & Control
- Data Centre Infrastructure Management (DCIM) Implementation & Support
- Electrical Contracting Installation/Supply
- Alternative Energy
- InfraSuite Power/Cooling/Cabinets

Our products are chosen for three reasons:

1. They are industry leaders

2. They are easy to integrate with one another

3. They enable value engineering

Our products

TM® Monitoring range

This range of environmental monitoring solutions provides reliable and accurate information about your IT infrastructure – and cover conditions such as power supply continuity, temperature control, flood risk avoidance, humidity control, access control, and fire protection. They also support control of air-conditioning, generators and fuel, UPS, and fire suppression systems. They suit any application from patch rooms to data centres, allowing for 24/7x365 monitoring of a remote site.

Netbotz Monitoring range

NetBotz is an active monitoring solution designed to protect against physical threats, environmental or human, that can cause disruption or downtime to your IT infrastructure. This scalable suite of networked appliances, sensors, access controls, and cameras ranges in size from network closets to data centres. Modular design allows for common sensors among the NetBotz appliances. Optional user-defined alerts can be sent in a variety of formats and are easily integrated into event escalation policies.

Raritan

Raritan's intelligent rack PDUs include switched, non-switched, and metered PDUs and inline meters, with an emphasis on environment and power metering, monitoring, and management. The 802.11 a/b/g/n standards-based Wi-Fi Solution wirelessly connects your iPDUs and sensors to your remote management network. It saves the cost of Ethernet drops and the time and effort of pulling cables. Raritan builds in enterprise-grade security, including WAP2 and AES encryption.

If Raritan equipment is combined with vendor-agnostic Sunbird Power IQ® energy management software, you can monitor and report energy usage and environmental conditions at any level – data centre, rack, department, equipment type – from a user configurable centralised dashboard.

Energy monitoring and conservation

Our specialised division with a focus on granular building and data centre power consumption. Detailed reporting and cost allocation. Multiple tools, hardware and software, designed to ensure a reduction in overall power consumption.

Sunbird POWER IQ™

Power IQ enables you to be more energy efficient and fully utilise your existing data centre power infrastructure. Powerful cooling charts, graceful OS shutdown, and bill back reports enable you to understand your real-time power load, rate of change and forecasted trends at all levels of your infrastructure. The configurable dashboard provides a vendor agnostic centralised view of power and environmental health, energy capacity and consumption, weather services, and maps. The smart rack concept provides one click access to rack power, cooling, airflow, events, and much more.

Trendpoint

Flexible, scalable and cost-effective platform metering devices, enabling you to track power consumption, maximise uptime, and effectively manage power distribution assets across the facility. Built on the EnerSure monitoring platform, every TrendPoint power meter uses a common chipset, configuration tool, and protocol map/mib, allowing you to integrate power metrics from high amperage main switchgear feeds down to sub-panel branch circuits with a single software driver from the DCIM or BMS application. TrendPoint's EnerSure® devices provide actionable intelligence data to the software front end.

Nlyte

Leading software for planning, managing and optimising data centres. It enables you to extend IT management software to include the physical layer with the logical and virtual layers of the data centre, maximising the financial benefits from the optimised utilisation of assets, space, and power.

Delta Infrasuite

A suite of four InfraSuite Data Centre Infrastructure Solutions modules includes:
Power Management – UPSs, PDCs and PDUs that provide optimal power distribution and protection for devices inside a rack.
Rack and Accessories – a simple parallel rack design with a refined and solid exterior that maintains a uniform appearance for the data centre.
Precision Cooling – a precision cooling enthalpy laboratory that carefully verifies cooling performance and reliability during the engineering development and design process to ensure high product performance.
Environmental Management System – an integrated system for monitoring and analysing assets on every data centre management system.
The interlocking nature of the modules allows you to implement fully integrated system architecture.