



**Advanced
Infrastructure**

Engineered Simplicity, Built on Trust.

Specialised IT Infrastructure Solutions



A company of
abec 

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About Our Company

For 40+ years, we've delivered end-to-end IT infrastructure solutions and services across South Africa. "Engineered simplicity" is our compass, guiding the intentional design of easy, intuitive, and accessible solutions.

Engineered Simplicity, Built on Trust

From blue chip enterprises to smart cities, we support a range of industries with robust, reliable, and straightforward end-to-end solutions from data centre builds and fit-outs to structured cabling installations and integrated security. Everything we deliver is purpose-built to drive progress. We operate across five regions, with a national 24/7 service desk and a 115-strong team of professionals dedicated to client success.

Advanced Infrastructure is your infrastructure partner; and more than that, we are architects of transformation, bridging global solutions with a nuanced understanding of the local market. We believe IT should be an enabler, working in the background to support your business. We are experts at planning, designing, and deploying bespoke solutions tailored to meet your needs today and into the future.





Solutions

“Engineered simplicity” refers to the intentional design and construction of end-to-end solutions that are straightforward, intuitive, and accessible. Our 40-year legacy is our expertise in reducing unnecessary complexity, delivering high-performing infrastructure to empower your operations.



Data Centres & Facilities Infrastructure

From state-of-the-art design to expert maintenance, we provide reliable support for your critical IT infrastructure. Transform the heart of your operations with seamless scalability, effective temperature control, uninterrupted power supply, efficient space planning, and 24/7 uptime. We offer a comprehensive assessment to help you understand the current state of your facilities and future-proof your business.



Structured Cabling

Efficient, reliable connectivity is the backbone of business, and converged physical cabling is the cornerstone of your future-ready network. Our scalable solutions ensure seamless communication and data flow that adapts in sync with your growth. From copper and fibre optic cabling to routing infrastructure, we provide comprehensive design, expert installation, and managed service contracts.



Integrated Security Systems

Fortify your operations against evolving threats with our customised solutions and centralised management. From restricting unauthorised entry to vigilant monitoring and real-time alerts, we help you take control of your security landscape for faster incident detection and response, and streamline disparate systems with a unified view that scales with your operations.



Services

As a market leader in foundational IT infrastructure solutions and services, our goal is to reduce the complexity of digital transformation through tailored solutions and ongoing support. The three pillars of our business are designed to meet the diverse and dynamic needs of modern enterprises.



Consulting Services

From replacing legacy systems to scaling your facilities, we design custom architecture to improve and modernise business operations.



Professional Services

Our team is hands-on and execution-oriented, overseeing the on-site delivery and physical installation of designed solutions.



Managed Services

Our expert technicians monitor your systems and provide proactive support to ensure peak performance and peace of mind.

Our Clients





Integrated Security Solutions as a Service (ISSaaS)

What is ISSaaS?

ISSaaS by Advanced Infrastructure is a turnkey solution that manages all aspects of your business' security, eliminating the client's burden of maintenance and administration

Integrating video surveillance, access control, and smart sensors, through a cloud-based platform with a unified "single-pane-of-glass" view of all security systems.

With real-time, AI-driven security event and system health monitoring, ISSaaS proactively protects your people and assets.

Supported by highly skilled professionals, with no upfront costs and a fixed monthly service charge, ISSaaS offers an affordable, scalable way to secure your business premises.

Key Benefits



No Upfront Costs

Manage your budget with predictable monthly charges.



AI-Driven 24/7 Security Monitoring

Stay ahead of threats with real-time alerts and response management.



Proactive Maintenance

Continuous system health monitoring and automatic updates.



Cloud-Based System

Manage and monitor from anywhere with easy integration.



Scalability

Start with what you need and scale as your business grows.

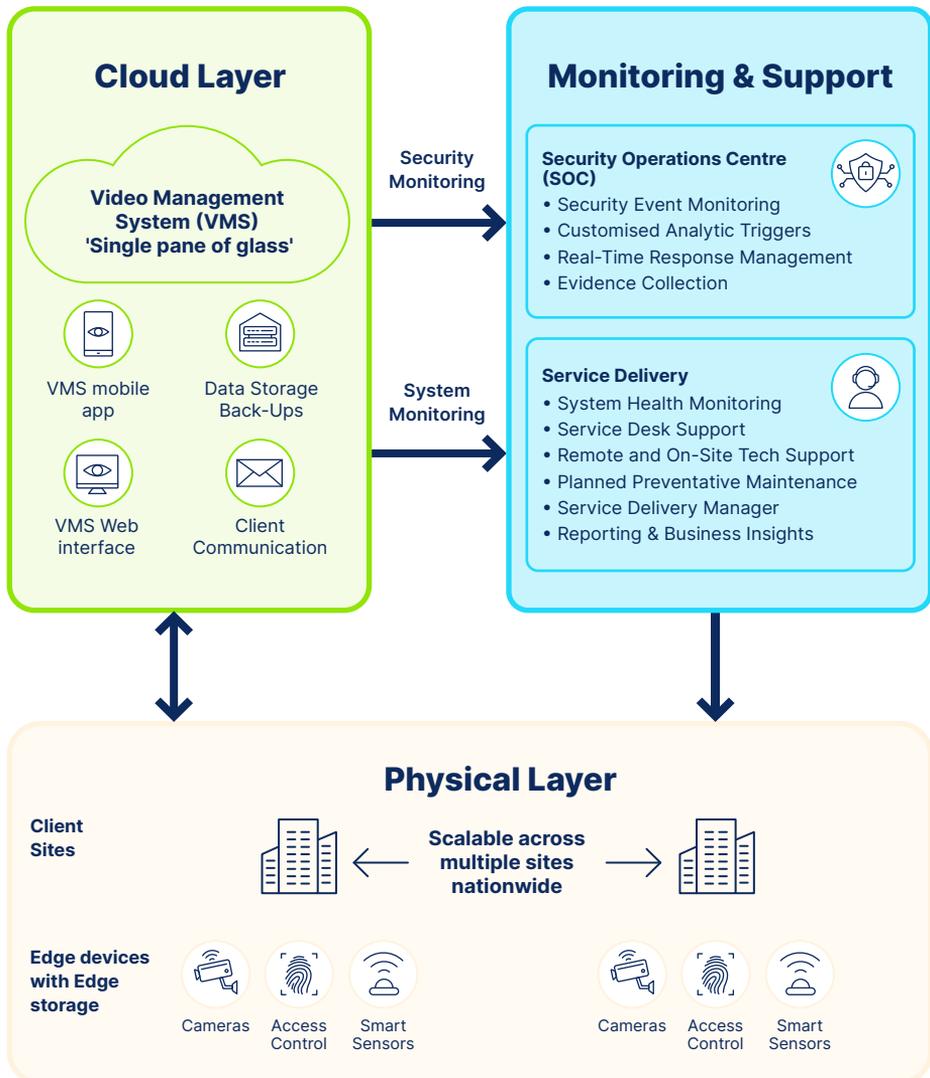


Single Vendor Solution

From installation to nation wide ongoing support.



How ISSaaS Works





Flexible Service Tiers

We offer three service tiers to fit your business's unique security needs.

ABEC Advanced Infrastructure - ISSaaS Tiers		Standard	Advanced	Premium
Professional Services	Bespoke security system design Hardware supply & install System configuration & testing	• • •	• • •	• • •
ISS Network	Cyber security compliance (edge to cloud) Network Switch (POE) UPS for POE Switch (backup time)*	• • 2hrs	• • 4hrs	• • 4hrs
Video Surveillance	IP Surveillance cameras Off-grid mobile surveillance trailer Video Management System (cloud VMS) Cloud video backups Edge video storage Edge analytics (video & sound classifications) Vertical specific analytics (retail, manufacture, transport) Facial Recognition	• • • 30 days •	• • • 60 days •	• • • 90 days • • • •
Access Control	Access Control - doors Deterrent systems (fog, pepper spray, siren, 2-way audio) Access Reports Granular permissions Occupancy Management Mobile access credentials Credential Database Cloud Backup Access Events with Video Association Alarm management Badge Printing LPR gates/booms	• • • • • • • • • • •	• • • • • • • • • • •	• • • • • • • • • • •
Smart Sensors (IoT)	Smart Sensors (with analytics) Sensor integration into VMS Server Room/Critical infrastructure monitoring		• •	• • •
Preventative Maintenance	Scheduled Preventative Maintenance Device Firmware updates Assessment of device locations & analytics	Annual • Ad-hoc**	Bi-annual • Annual	Tri-annual • Bi-Annual
Off-site Monitoring	System health monitoring for service interruptions Security monitoring & response management (real time)	•	• After hours	• 24x7x365
Technical Support - Service Level Agreement	Average Uptime (system online) Service level coverage Mean Time to Respond (MTTR) *** Mean Time to Clear Service Interruptions (MTTC)*** Service Delivery Manager	98% 8x5 45min 6hrs	99% 24x5 30min 4hrs	99.5% 24x7x365 20min 4hrs •
Reporting	SLA review period Report Data retention (rolling) Business Insight Dashboard	Bi-annual 1 year	Quarterly 3 years	Monthly 5 years •
*For ISSaaS devices only **Standard Call-out fees **Response times subject to travel time/distance from major centres				
Estimated Monthly Service Charge per device (door/camera)		From R900	From R1100	From R1300



How Can We Help You?

As pioneers in the industry, we've seamlessly transitioned from our Dimension Data roots to stand independently, providing unparalleled infrastructure solutions and services across South Africa. Everything we do is designed to enhance your business's performance, agility, scalability, and efficiency. We ensure your IT foundation not only supports but propels your business forward.



Exceptional Team

Our team comprises 115+ seasoned professionals – from solutions architects to engineers, technicians, service delivery and project managers – each of us committed to excellence.



National Footprint

Operating in 5 regions with a national service desk and an experienced procurement and logistics team, our robust infrastructure ensures seamless operations, nationwide.



40-Year Legacy

With a rich heritage stemming from a 40-year legacy as Advanced Cabling within Dimension Data, we bring a wealth of experience and expertise to every project.



Long-Term Partnerships

Our strategic alliances with industry-leading OEMs and vendors reflect our commitment to quality, innovation, and state-of-the-art solutions.



Employee Development

We're invested in our people. We offer the training, tools, and support our employees need, creating a team of dedicated professionals committed to client success.



Comprehensive Offering

End-to-end solutions, from design to installation and maintenance, Advanced Infrastructure is a one-stop destination for all your IT infrastructure needs.



Battery Regeneration

Smart for your business. Better for the planet.

What is Lead-Acid Battery Regeneration?

Lead-acid batteries naturally lose performance over time due to sulphation—the build-up of lead sulphate crystals on the battery's plates. This process gradually reduces capacity and is the primary cause of battery failure.

Battery regeneration offers a smart, non-invasive solution preventing batteries from ending up in landfills. By applying controlled high-current electrical pulses, it breaks down hardened lead-sulphate crystals and restores up to 95% of the battery's original capacity. A far greener and more energy-efficient alternative to recycling and manufacturing batteries.

Why Choose Battery Regeneration?



Save Money

40 to 50% less than new batteries.



Lower your Carbon Footprint

Up to 70x less CO₂ emissions compared to recycling & manufacturing new batteries. Re-using rather than recycling = Circular economy.



Proven Effectiveness

Successful regeneration in real-world situations across 42 countries globally.



Reduce Industrial Waste by 50%

Keeping batteries out of landfills by doubling battery life.



Support your sustainability goals (CSR & ESG)

Aligns with UN Sustainable Development goals and Ecovadis CSR ratings.



Who we serve



Commercial



Industrial



Mining

Applications



Industrial electric vehicles and material handling machinery
(e.g. forklifts)



Leisure electric vehicles
(e.g. golf carts)



Enterprise UPS systems
(Available as a service)

Battery as a Service (BaaS)

- BaaS available for commercial UPS systems with external battery banks.
- No upfront costs – consistent budgeting and total peace of mind.
- All-inclusive rate per month with installation, commissioning, bi-annual preventative maintenance and swap-out performance SLA.



Advanced Infrastructure Data Centre White Space Services

Solutions	Data Centre Infrastructure	Engineering Services	White Space	Structured Cabling	Electronic Low Voltage Solutions	Utility Optimisation & Virtual Wheelley
Core Offerings	Mini - PFC's, Edge - Server Rooms	PR, Engineering, PMP, MEPF-ICT & SHE	Racking & Containment	Copper (10meg to 40Gig)	Access Control	Utility Optimisation
	Edge DC's - Containerised & Prefab	Baseline Assessments	HAC & CAC Containment Structures & Raised Flooring systems	Fibre (Spliced & Preterm)	CCTV - Analytics	IPP RFP Process & Contracts
Managed & Outsourced Services	Enterprise DC's	Asset Audits	Cable tray's, ladders & Busbar systems	Intelligent Infrastructure	Audio, Fire, BMS	Virtual or on Prem IPP
	Multi-tenant DC's	Maturity Modelling	ICT Rack PDU'S	DAS & POE	PCIM, EMS, BMS, DCIM	IoT & Analytics
	Hyper Scale DC's	CAD & TIA & UTI Assessments	Blanking & Infill Panels Electrical			
	Thermal Scan's, CFD Analysis, Electrical, Mechanical, Fire and BMS	CTIA, CTDC, UTI Audit's, Professional Indemnity	Smart Hands: PDU and Tap Off Integration, Adds, Moves & Changes	Intelligent Patch & Change Management	ISAAS	Virtual Wheelley, REGEN

Build Experience

<p>Over 25 large (2mw+) DC's</p>	<p>>76 MW IT Load Capacity</p>	<p>>75,000 sqm Useable Data Centre Space</p>
<p>13 Countries (Botswana, Ghana, Kenya, Namibia, Nigeria, Oman, Rwanda, Saudi Arabia, South Africa, UAE, Zambia, Angola, Tanzania)</p>	<p>34 Highest Level Status OEM Partnerships</p>	<p>>30 Years experience in datacenter design build and support</p>



Advanced Infrastructure ICT Racks

Strategic Positioning of Advanced Infrastructure in a Globalised Rack Market

In response to increasing commercial pressures and the need to remain competitive against global markets, data centre operators and tenants are increasingly importing racks at a fraction of the cost of locally manufactured alternatives. This trend is not only reshaping procurement strategies but also placing significant strain on South African manufacturers, who are being forced to either specialise or limit their operations to local demand due to the volume-driven influence of Asian suppliers on the global stage.

As Advanced Infrastructure, we recognise the imperative to evolve—not only by identifying strategic local manufacturing partners but also by redefining how we compete commercially. Our latest product innovations meet and exceed structural criteria, offering superior finishes and enhanced accessory integration. These innovations are designed to support universal compatibility, enabling seamless integration across a wide range of vendor ecosystems.

By driving innovation in rack design and functionality, we are not only supporting local manufacturing excellence but also positioning ourselves to deliver globally competitive, future-ready solutions that meet the evolving needs of hyperscale, edge, and enterprise data centres.

The following products have been detailed and designed to part codes, shopping basket, flat pack options and colours.

Compliance & Certifications

- Standards Met: (IEC 60297, EIA-310-D, RoHS, ISO 9001)
- Ventilation: (e.g. ASHREA)
- Environmental Rating: (e.g. IP20, IP55)
- SKU available on request



Server ICT Rack: CoreX

Purposely designed modular, kit and flat pack Server Rack catering from Edge to Hyperscale requirements.

Product Overview:

- These racks can be ordered fully assembled, or flat pack
- Universal Frame caters for interchangeable door opening left or right or both
- Standard option for 750kg's, 1.5Ton's, 2.5 Ton's or 3.5Ton's
- Three options of doors (Side Doors Half Doors, Full or Half Door)
- Either full front and rear of mixed or both half full door options available
- Three options of either roof and or base plates (Gromit, Brush Inserts or Both)
- Standard with Caster Wheels and Adjustable securing feet
- Unique PDU universal basket (Dual Only, other on request, PDU brackets available on request)
- List of rack accessories including narrow cable basket edges (Available on request)
- Doors, Roof and Base standard with knock out options for (Gromit or Brush Inserts)
- Cable routes built into doors for environmental monitoring

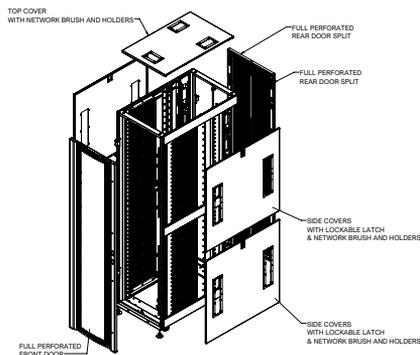
Product Name: CoreX Rack

Part Code: 200-9698

Product Category: (e.g. Server Rack, Network Rack)

Flat Pack Option: Yes

Available Colours: (e.g. Black RAL 9005, Grey RAL 71243, Custom are available on request – 98-120 Microns)



Technical Specifications

Feature	Details
Dimensions (WxD)	600mm or 800mm x 1000 or 1200 mm
U Height	42U, 43U, 45U, 47U, 55U
Material	Mild Steel 1.2mm
Finish	Baked Powder Coated
Load Capacity	750kg, 1.5Ton, 2.5Ton and 3.5Ton
Mounting Type	Floor Standing
Cable Management	Optional (Cable Basket, Cable rings)
Door Type	Vented (Full rack 86%, Half Doors 81%)
Locking Mechanism	three point locking, swing handle standard Key Lock
Locking Systems	Universal, Rack individual or alternative rack key types



Multi-Tenant ICT Rack: Synapse

Multi-function ICT Rack, catering from mid to high density applications ensured by a universal frame with flat pack kit options in quarter, half and full ICT rack configurations in a single frame.

Product Overview:

- These racks can be ordered fully assembled, or flat pack
- Universal Frame caters for interchangeable door opening left or right or both
- Universal frame caters for interchangeable (Quarter, Half or Full or Quarter and Half in a single frame)
- Standard option 750kg's
- Three options of side doors (Full or half Door)
- Three options of either roof and or base plates (Gromit, Brush insertor both)
- Standard with Caster Wheels and Adjustable securing feet
- Unique PDU universal basket (Dual Only, other on request, PDU brackets available on request)
- List of rack accessories including narrow cable basket edges
- Doors, Roof and Base standard with knock out options for (Gromit or Brush Inserts)
- Cable root built into doors for environmental monitoring

Product Name: Synapse Rack

Part Code: 200-10019 (Quarter), 200-10018 (Half Rack), 200-10017 (Full Rack)

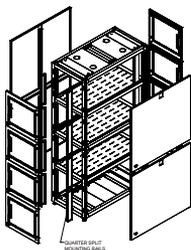
Product Category: (e.g. Multi-Tenant Racks)

Flat Pack Option: Yes

Available Colours: (e.g. Black RAL 9005, Grey RAL 71243, Custom are available on request – 98-120 Microns)

Below is 3D rendering of the three rack Types:

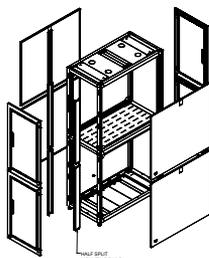
Quarter Rack



Technical Specifications

Feature	Details
Dimensions (WxD)	600mm x 1200 mm
U Height	42U, 43U, 45U, 47U, 55U
Material	Mild Steel 1.2mm
Finish	Baked Powder Coated
Load Capacity	850Kg
Mounting Type	Floor Standing
Cable Management	Optional (Cable Basket, Cable rings)
Mounting Rails & U Profiles	Quarter Split adjustable front to back and back to front
Door Type	Vented (Doors 79%)
Locking Mechanism	Swing handle standard Key Lock
Locking Systems	Universal, Rack individual or alternative rack key types

Half Rack

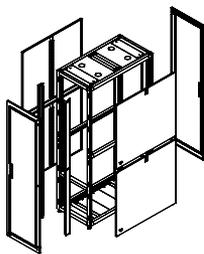


Technical Specifications

Feature	Details
Dimensions (WxD)	600mm x 1200 mm
U Height	42U, 43U, 45U, 47U, 55U
Material	Mild Steel 1.2mm
Finish	Baked Powder Coated
Load Capacity	850Kg
Mounting Type	Floor Standing
Cable Management	Optional (Cable Basket, Cable rings)
Mounting Rails & U Profiles	Half Split adjustable front to back and back to front
Door Type	Vented (Doors 79%)
Locking Mechanism	Swing handle standard Key Lock
Locking Systems	Universal, Rack individual or alternative rack key types



Full Rack



Technical Specifications

Feature	Details
Dimensions (WxD)	600mm x 1200 mm
U Height	42U, 43U, 45U, 47U, 55U
Material	Mild Steel 1.2mm
Finish	Baked Powder Coated
Load Capacity	850Kg
Mounting Type	Floor Standing
Cable Management	Optional (Cable Basket, Cable rings)
Mounting Rails & U Profiles	Half Split adjustable front to back and back to front
Door Type	Vented (Doors 87%)
Locking Mechanism	Swing handle standard Key Lock
Locking Systems	Universal, Rack individual or alternative rack key types

Containment Aisle System

Multi-function Structural self-supporting system, catering from mid to high density applications ensured by a universal frame with flat pack kit options including cable management systems in wire basket and fibre guides.

Product Overview:

- Ordered flat pack only, (To be installed onsite by accredited personal)
- Universal Frame caters for integration of sliding doors and overhead supporting structure ensuring ease of cable management and access panels
- Universal frame caters for interchangeable (Frosted or clear fire rated polycarb panels)
 - Cantilever Options (550kg's, 850kg's 1.5 Tons)
- Bus Bar Systems, Copper baskets, fibre guide system and electrical ducting
- Cable root options available for environmental sensors
- Accessories (Standard Galvanised or colour coded trays, fibre guides, cantilever supports)

Product Name: Enclave System

Part Code: 200-9739

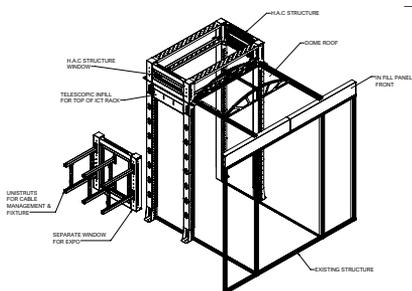
Product Category: (Containment Structure and systems)

Flat Pack Option: Yes

Available Colours: (e.g. Black RAL 9005, Grey RAL 71243, Custom are available on request – 98-120 Microns)

Technical Specifications

Feature	Details
Dimensions (WxD)	1200 or 1800 Aisles (2.4 available on request)
U Height	45U, 50U or 55U
Material	Mild Steel 6mm Structural Frame with Purpose designed universal access and mounting openings for Aluminium or Metal or integration of both
Height and Number of Rack Options	Up to 9 meters, 10 rack or 20 rack or 30 rack options off shelf
Load Capacity	1Ton, 2,5Tons or 4ton
Mounting Type	Self Supporting - Floor Standing
Cable Management	Standard Cantilever or Reinforced Cantilever
Mounting or Baying	Universal frame allows for mounting of Metal, Aluminium or Polycarb infill panels
Finish	Baked Powder Coated (White or Black)
Top Access Infill panels for HAC	Clear or frosted
Dome or Flat Roof Lid CAC	Either or combination of both
Sliding Doors	Local standard option
Sliding Doors	Fire Rated Polycarb light weight with or without motorised sliding rail
Accessories	Mounting kits for lighting, EMS Sensors, Access Control and Electrical reticulation



Operating Regions



Offices

Johannesburg (Head Office)

Building A, Bryanston Corner,
18 Ealing Crescent, Bryanston, 2191

Cape Town

Block D, Black River Park,
North Park, Fir Rd, Observatory

Gqeberha

Corner of Overbaakens Road and William
Moffet Express Way, Fairview, Gqeberha, 6070

East London

10 Bowls Rd, Arcadia, East London, 5201

Bloemfontein

Suite number 23A, Ground floor, Reitz Park,
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Bloemfontein, 9301

Durban

Unit No 14, Boulevard Business Park,
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