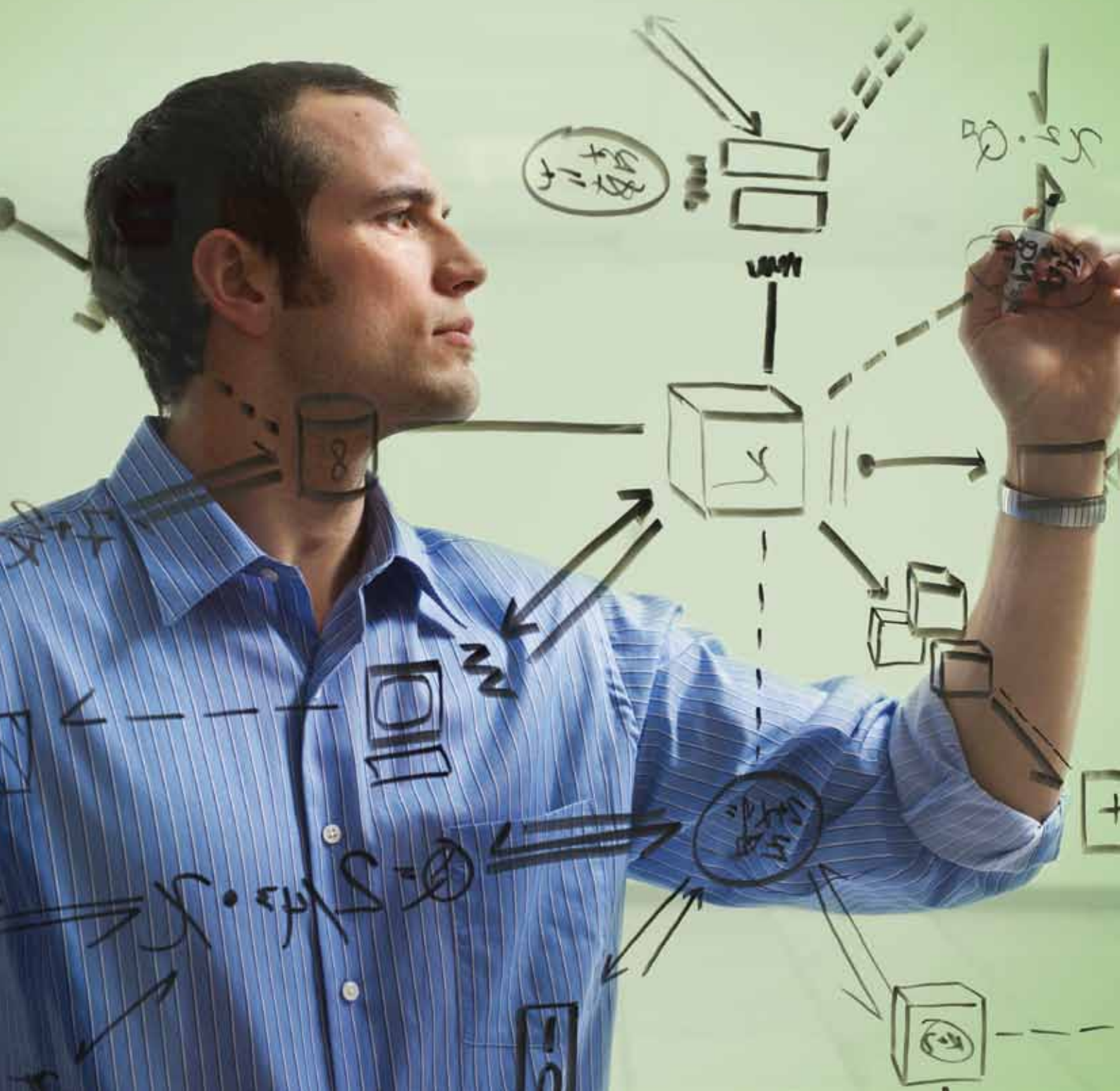


Advanced Infrastructure



Advanced Infrastructure

Your infrastructure is the backbone of your business

The Information Economy, the Digital Age, the Virtual Generation and online replacing in-line is a reality and forms part of our daily lives. Each of these phenomena is impacting on how we acquire and consume information. The resulting explosion of data is driving increasing demand for bandwidth, high performance infrastructure and more powerful, converged communication platforms to enable triple play in the voice, video and data arena. While these developments certainly support business growth and enable organisations to function more effectively, there is also a knock-on effect on operations - particularly in terms of capacity, power, security, skills and resources.

The ICT Infrastructure has become the foundation upon which the business estate is built. It has had to evolve from a static hardware platform into a dynamic business enabler in its own right, critical for the support of a number of business-centric objectives:

- **Enhancing business performance**

The pervasiveness of ICT means that every aspect of business has become reliant upon the effective operation of the underlying ICT infrastructure. Deficiencies in physical ICT can adversely affect operational capability, productivity and competitiveness; in short your ability to do business.

- **Enabling ICT capability**

It is the physical ICT infrastructure that ensures the technology used by business is functional, efficient and effective. The physical creates and enables the virtual. Whether the desired outcome is business improvement, mobility or communication and collaboration, you need the right kind of infrastructure to support your objectives.

- **Energy consciousness**

Business no longer rests and buildings and equipment are running around the clock, placing increasing pressure on energy and power requirements. The current generation capacity crisis and associated rise in the price of power looks set to drive the adoption of intelligent building management systems for some time to come as organisations seek to realise energy efficiencies and cost savings.

Adding value to your business through advanced infrastructure

Dimension Data appreciates just how critical the right ICT foundation is and the complexity of the interdependencies involved. This is why we have a team of dedicated infrastructure specialists in Dimension Data Advanced Infrastructure, capable of delivering a comprehensive set of infrastructure technologies.

Our offering includes conventional cable as well as emerging technologies around connectivity and building management for intelligent and relevant ICT. We also

provide a full complement of consulting, professional and management services geared to help you accelerate your business ambitions.

- **Communication Cabling:**

- Structured;
- Intelligent fibre optic and/or copper cabling solutions;
- 10 /40Gig plus;
- Last mile fibre solutions

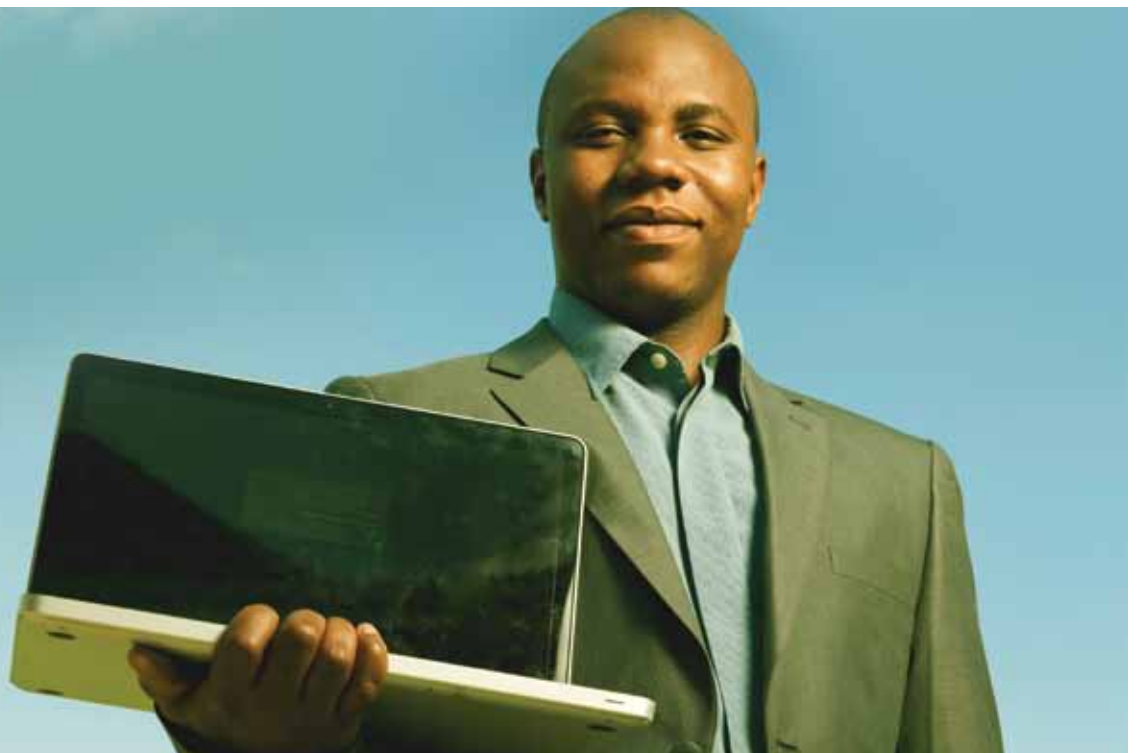
- **Data Centre Infrastructure:**

- Improved efficiency;
- Enhanced performance and agility;
- Scalability – “Build as you grow”;
- Improved system efficiencies with calculated Power Usage Effectiveness (PUE) and Coefficient of Performance (COP) in your data centre environment.
- Providing turnkey data centre infrastructure solutions.

– Solutions include but are not limited to the actual construction of the facility and the management platforms to operate the data centre, in accordance with the various tiering topologies as per the Uptime Institute.

- **Data Centre-in-a-Container:**

- Cost-effective;
- Quick-to-deploy solutions;
- Innovation and customisation;
- Built-in precision cooling;



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- Power management;
- Physical and electronic integrated security;
- Covert structurally stable sites with an appropriate power source into a fully operational data centre;
- Fire detection and suppression;
- Environmental monitoring
- Wireless Connectivity:
 - Robust, high-speed wireless connectivity solutions;
 - Point-to-point and point-to-multipoint wireless broadband solutions;
 - Licensed and unlicensed frequency bands;
 - Microwave backhaul and WiMAX applications
 - for your campus, metropolitan or last mile requirements.

We are capable of enabling an extension of your connectivity further to include Multimedia Application Connectivity such as Ethernet Data, VoIP, Video and CCTV Surveillance solutions.

- Integrated Security:
 - Integrate your physical and logical access control, intrusion systems,
 - Video or IP surveillance,
 - Migrate from analog to hybrid analog
 - Full IP-based deployments with graphical user interfaces; and
 - Centralised power management to improve resilience and down time;
 - Video management and analytics.

Whatever the case, we work with you to help you leverage your existing investments in cabling, analog and IP devices, IP CCTV and IP Telephony.

- Energy Management:
 - An intelligent set of technologies to reduce the impact of an 'always on' power requirement and contain usage:
 - Reducing associated costs and carbon emissions,
 - Combining building management systems and advanced software solutions

- To ensure effective management of your building's functions in a more energy efficient manner,
- With demand response controls when situations within the power grid demand it.

How do we do it?

Through proven processes to align your business for the future.

Dimension Data's Advanced Infrastructure team has an approach of consultation and implementation with proactive steps to ensure that your physical ICT infrastructure provides for your existing requirements, but also enables your future demands. Coupled with this is our drive to continually incorporate new technologies, design and best practice architectures into our offerings for our clients to address pressures around cost control, increased power consumption, scalability, and flexibility.



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Collaborative engagement

Working in collaboration with you, we assess and evaluate your ICT estate from a virtual capacity to physical locality perspective, to ensure that the solutions deployed deliver on your expectations around efficiency, cost-saving, reduced complexity and lowering of carbon emissions.

Quality skills

Given the diverse nature of ICT infrastructure requirements and the complexity of projects, we provide you

with both the breadth of skills you need, and the depth of experience in terms of solution architects, technicians, engineers and project managers to ensure every detail is covered. Dimension Data Advanced Infrastructure has extensive skills which it is able to draw on anywhere in the country, anytime you need them.

Management of solutions:

Dimension Data Advanced Infrastructure understands that the support and management of your ICT environment in keeping with current and future

business needs is as important as the initial implementation. This is why we provide a holistic offering that extends beyond our physical product to encompass a continuum of services to ensure your business makes the most of its infrastructure investment in the long term.

For information on any of Dimension Data Advanced Infrastructure's solutions and how we can help you make ICT happen, please e-mail:
ai.information@dimensiondata.com

Our Achievements:

- Installed over 1.5 million Data and Voice network points
- Installed over 5000 kms of fibre backbone
- Built in excess of 40,000 m² useable data centre space
- Installed over 300 Generators, up to 2 MVA in size
- Installed over 350 Wireless Base stations and access points
- Installed over 500 UPS's, up to 500 kVA in size
- Cooled in excess of 45000 kW of heat
- Data Centre Construction compliant to uptime tiering classifications
- Project Management Professionals
- Installed over 5000 fire suppression bottles
- RCDD's – Registered Communications Distributions Designer
- In our skills pool we have master electricians to conduct our installations and assessments
- Talent pool comprises Certified Data Centre Design Professionals (CDCDP's)
- Proven track record for Point to Point and Point to Multipoint wireless connectivity installations
- Structured cabling – Communication Cabling for voice, video & data (Fibre/ Copper) 10/ 40 gig plus Fibre and Copper cabling
- Data Centre Infrastructure – (new build or upgrades to existing environment)
- Integrated Security Solutions (IP Based CCTV, Access Control & BMS)
- Offering our clients Managed Services (24/7/365 specialised support across all solution offerings)

Our Partners:

- Alvarion Ltd (wireless connectivity)
- APC by Schneider (back-up power/ precision cooling/Data Centre solutions)
- Cisco Physical Security
- Emerson (back-up power/precision cooling)
- UTC Security (integrated security solutions)
- RT Systems (environmental monitoring)
- Schneider Electric (building management; security; electrical solutions)
- Commscope Systemax (copper and fibre optic cabling)
- Molex – cabling infrastructure solutions
- Krone – cabling infrastructure solutions
- Telenetix – mobile datacentre solutions
- Stulz (Precision Cooling)
- Newway – back-up power solutions

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Why Dimension Data?

- Dimension Data delivers services consistently across the world. This is achieved through the Global Services Operating Architecture – our service delivery platform for monitoring and support, information sharing and flexible reporting. The platform's capabilities allow us to roll out new features, as requested by clients and services teams, within a matter of days.
- Deep technical and integration expertise across a variety of IT disciplines, including networking, security, unified communications and collaboration, data centres, virtualisation, Microsoft and contact centres;
- Strategic alliance partnerships with respected technology vendors, including Cisco and Microsoft;
- Over 6,000 clients across all industry sectors, including financial services, telecommunications, healthcare, manufacturing, government and education;
- Over 12,000 employees with operations in 49 countries across five continents;
- Global footprint, delivering international business to a consistent standard;
- Dimension Data manages more than \$12.5 billion of network infrastructure through five Global Service Centres, on a 24x7 basis, in more than 15 languages.



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BOTSWANA • CONGO • BURUNDI
DEMOCRATIC REPUBLIC OF THE CONGO
GABON • GHANA • KENYA
MALAWI • MAURITIUS • MOROCCO
MOZAMBIQUE • NAMIBIA • NIGERIA
RWANDA • SAUDI ARABIA
SOUTH AFRICA
TANZANIA • UGANDA
UNITED ARAB EMIRATES • ZAMBIA

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INDIA • INDONESIA • JAPAN
KOREA • MALAYSIA
NEW ZEALAND • PHILIPPINES
SINGAPORE • TAIWAN
THAILAND • VIETNAM

AUSTRALIA

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NEW SOUTH WALES • QUEENSLAND
SOUTH AUSTRALIA • VICTORIA
WESTERN AUSTRALIA

EUROPE

BELGIUM • CZECH REPUBLIC
FRANCE • GERMANY
ITALY • LUXEMBOURG
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