



# COMPANY PROFILE

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## ABOUT US

Dartcom SA is a proudly South African company with a strong commitment to customer satisfaction, exceptional service levels and the advancement of the telecommunication industry in Africa.

We are a specialist distributor and provider of value-added services in the ICT sector and is the country's premier specialist distributor of radio frequency (RF), energy solutions, fibre optic communications technologies, including sub systems, accessories, batteries, telecommunication access and termination equipment as well as outside plant hardware and software systems.

Dartcom SA assembles, manufactures, test, provides product support and quality management of its products as a result of technology transfer via licensing agreements with its suppliers. Together with its principle agencies, Dartcom SA is equipped to fully support its extensive product range through constant R&D development and levels one, two and three product support and maintenance.

Dartcom SA provides Fibre Optic, RF and infrastructure products that interface with OEMs, fibre, RF, radio and related equipment for fixed line and mobile which are largely deployed in backbone and access networks.

The company ensures that regular upgrading, maintenance and R&D, together with its technology partners, is available for local use, ensuring the customer is always exposed to the latest technological advancements. The most up-to-date developments to support customer premise terminating equipment with industry proven remote fibre test systems, fibre management systems, FTTx solutions and locally developed outside plant hardware are all available. Dartcom SA believes in empowering and equipping individuals through education. This approach is adopted for all Dartcom SA employees and also extends to the community and industry alike.

Dartcom SA is committed to ensuring the customer's needs are met with favourable tailored solutions at competitive prices that accelerate results and success.

## SOCIAL RESPONSIBILITY

The leadership style within the Dartcom SA (Pty) Ltd environment is "people first" and what better way to carry this into our community than through giving back in a socially responsible manner. The company is proud of its philanthropic vision and is constantly seeking ways to contribute and develop the community.

Dartcom SA contributes to a number of Non-profit organizations in the hope of making a difference in the lives of the beneficiaries.

The company's main social responsibility initiatives are channelled towards two significant organizations that are held dear to the heart of the company; namely, Vastfontein Community Transformation and the HM Pitje Foundation.

### HM Pitje Foundation

The Foundation's primary remit is to establish infrastructure in township schools in Pretoria, focusing initially on Soshanguve, Mamelodi and Polokwane in Limpopo. The Foundation provides both the funding and assistance required for the development of vegetable gardens, sporting facilities, libraries and computer rooms, thus affording scholars within these disadvantaged communities the tools they need to better succeed.

### Vastfontein Community Transformation consists of:

- Child Care Village
- Batho Pele Christian School
- Digital Hub, proudly sponsored by Dartcom SA
- Care Homes
- A High School and Technical Training Centre.

## DARTCOM TELECOMMUNICATIONS LEARNING CENTRE (DTLC)

The ICT sector has been identified as a key job driver, and the mere nature of the industry calls for a high quality skilled workforce. Dartcom launched their Telecommunications Learning Centre in July 2014. The aim of the DTLC is to provide a platform for skills development. Special courses, aimed at the telecommunication industry is delivered at our facility and should result in improved employment outcomes for individuals.

We recognised the need for standardisation of Telecommunications training programmes and partnered with Triple Play Training to provide MICT Seta accredited training programmes. Over the years we have seen a number of delegates; from within the Telecommunications sector, private individuals, unemployed youth and the like successfully complete the following training courses:

### Certified Fibre Optic Technician (CFOT)

**Outside Plant Civil Works Course (OSP), in order to ensure it is efficient we have built an entire outside plant area where learners have access to trenches, poles, man-holes and hand-holes for practical experience – to our knowledge it is the only course of its kind in Africa.**

Investment in people through training; is key to sustainable growth.

For any additional information please contact the Dartcom Telecommunications Learning Centre on  
Tel: +27 12 345 7530 Email: tlc@dartcom.co.za

## OUR PARTNERSHIPS

The Dartcom product portfolio consists of some of the industry's most trusted name that include:

- Huber+Suhner
- Emtelle
- Birla
- Dura-Line
- OFS
- Tongyu
- Huaptec
- SOPTO
- UTEL
- Narada
- PLP
- YILUT

## RF PRODUCTS

Dartcom SA (Pty) Ltd has years of niche market know-how in the distribution of RF and Fibre products in a selection of communications, telecom and industrial infrastructure applications.

Our comprehensive range includes RF and microwave cables, connectors and assemblies, antennas, lightning protection for both internal and external application as well as the design and implementation of internal RF Signal Boosting and Distribution systems and products.

Dartcom SA, through various distribution, manufacturing- and assembly license agreements, offers a choice selection of products in association with principle suppliers being mainly Huber+Suhner, Tongyu, FIMO, Huaptec and Yolycom.



### Dartcom SA offers the following RF products and services:

- |                     |                   |                             |
|---------------------|-------------------|-----------------------------|
| RF Cables           | RF Components     | Amplifiers                  |
| RF Connectors       | Antennas          | Filters                     |
| RF Cable Assemblies | Cable accessories | Distributed Antenna Systems |

## POWER SOLUTIONS

Dartcom SA (Pty) Ltd services the industrial, telecommunications and renewable energy market segments with reserve power, standby power and speciality batteries. Speciality batteries are used in the solar and wind energy applications.


Dartcom SA was appointed the official suppliers of Narada batteries in Sub-Saharan Africa in 2005. Narada is a global leader in stored energy and is a renowned technology provider based in Hangzhou, People's Republic of China. An extensive range of batteries is available to suit a variety of applications including UPS, renewable energy (solar/wind), standby and motor power. The batteries are available in 2V, 6V and 12V sealed maintenance-free technology known as VRLA. Technologies include GEL and AGM in flat plate, Tubular GEL, OPzV and Carbon batteries.

Dartcom also supply the Narada range of Lithium ion phosphate batteries. These are 48 volt units ranging from 10Ah, 20Ah, 30Ah, 50Ah, 80Ah, 100Ah, 150Ah and 250Ah.



### All Narada manufactured batteries are compliant with the following standards:

- |                   |                                   |            |
|-------------------|-----------------------------------|------------|
| IEC 60896-2       | EUROBAT GUIDE                     | & ISO14100 |
| BS 6290 Part 4    | UL                                | EN 50272-2 |
| Telcordia SR-4228 | Manufactured under system ISO9001 |            |



Dartcom SA is the proudly appointed sole agent and distributor of the world leading manufacturer, Swiss-based Huber+Suhner AG of communications cables, connectors and components.

### Dartcom SA Certifications:

- Level 1 B-BBEE contributor
- ISO14001:2015 Environmental
- ISO9001:2015 Quality
- ISO 45001: 2018 Health & Safety

## FIBRE NETWORK INDOOR - OUTSIDE PLANT PRODUCTS AND SOLUTIONS

Dartcom SA (Pty) Ltd distributes of a complete range of Outside Plant products inclusive of fibre optical cables, ducts, manholes, boundary boxes, poles, associated hardware for underground and aerial solutions.

### Fibre Cables

We provide various fibre cable solution to fit every application seamlessly while maintaining high levels of optical performance. Applications range from self-supporting aerial cables, lightweight blowing cables and robust underground cables.

Services like locally terminated cable assemblies of indoor cable and terminated customer drop cable solutions make installation quick and easy.

We also offer bespoke designs through our innovative partners and industry leader OFS.

### Ducts

Dartcom SA is the distributor of superior-quality conduits. We offer innovative designs to make installation faster, easier and more productive. The portfolio covers a wide variety of configurations ranging from 3mm to 160mm in single and multiple bundles.

### Fibre Optical Splicing Closure

Dartcom offers a range of unique splice closures to complement our cable solutions in underground application or aerial networks. We also supply wall mounted distribution closures and termination points for indoor and outdoor applications.

### Manhole Solutions

Dartcom SA is the distributor of a large variety of manhole & handhole solutions in the telecommunications industry. Combining conventional materials such as concrete & stainless steel, to new innovative materials such as fibre cement, polymer concrete and sheet moulded compounds. We cater for a wide variety of standard and customer specific designs.



## FIBRE CONNECTIVITY & FIBRE MANAGEMENT SOLUTIONS

Dartcom SA (Pty) Ltd offers a comprehensive range of connectivity of which most can be terminated in our local assembly facility. These range from standard 2.5mm ferrule connectors as well as 1.25mm ferrule connector to the latest MPO(MTP) technology.

Dartcom SA also has local test facilities to do insertion loss(IL) testing as well as return loss (RL) testing. Connector loss over each connector are individually measured, labeled and recorded. This ensures that the client always has full traceable record of each connector's measured values. All processes used are full compliant to Huber+Suhner processes. End-face geometry tests are also performed to international specification to ensure fibre height, radius and apex are maintained during the polishing process.

Assemblies manufactured locally range from: 250µ coated fibre to 2.7mm ruggedized fibre cable in simplex, duplex fig.8 as well as duplex fig.0

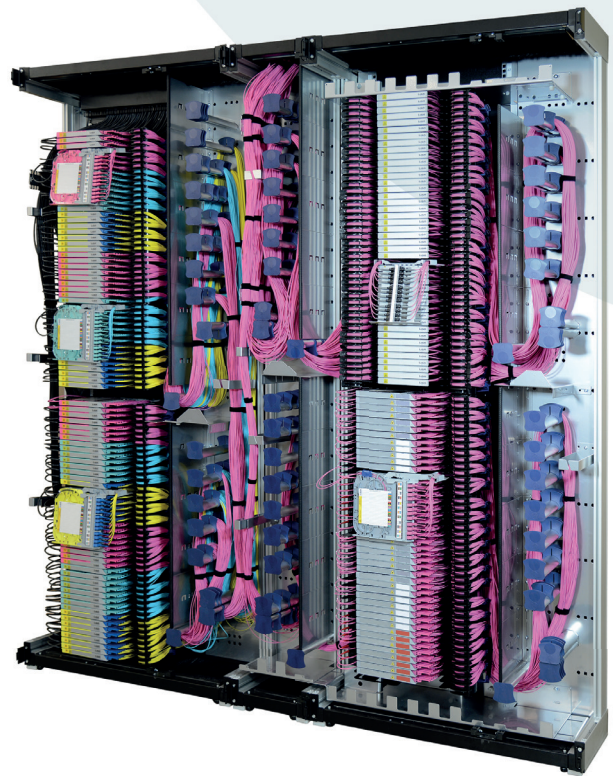
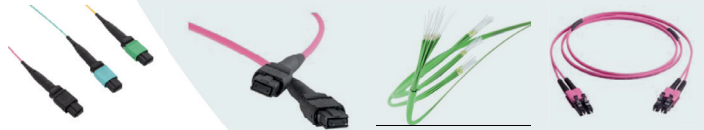
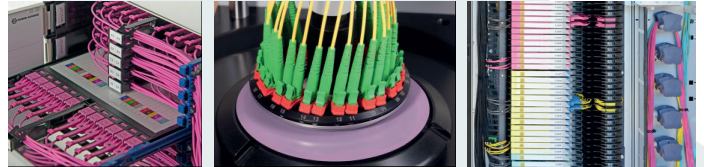
Various multi fibre cable options are offered to cater for indoor, outdoor and switch/ datacentre environments which include the Optipack series, riser cable as well as breakout cable options. Fibre counts range from 4 fibre up to 144 fibre currently. All cable used in assemblies are produced by H+S using only the highest quality fibre available in the market today.

We offer the following fibre optic products and services:

### Fibre Optic

Connectors and adapters	Final Testing
Hybrid adapters	Cabling Systems
Passive components	Distribution Racks
Cabling	Test & Measurement
Assemblies	Fibre management solutions
FTTx solutions	Splicing and Joining

Dartcom SA also offers fibre management solutions and overhead raceways for the enhancement of connectivity to fibre switching, transmission and access networks. The deployment of these products is aimed at individual customers as well as private and public sector service providers. We have various distribution, manufacturing and assembly agreements with our principle suppliers being Huber Suhner, OFS, Emtelle and Duraline.



## HUBER +SUHNER DATA CENTER SOLUTIONS CONNECTING A WIDE RANGE OF MARKET SEGMENTS

Colocation companies around the world rely on our high-density Huber+Suhner fiber management systems to connect incoming carriers to their valued customers. Our excellent cost per port and leading packing density make us the number one choice for regional and global colocation companies.

Our high performance cable systems provide financial companies with the reliability they depend on to maintain their business-critical connections. Our exceptional cable management to high-density SAN switches reduces cable clutter and improves vital air-flow to the equipment.

Flexibility is key in the broadcast sector, and at Dartcom we pride ourselves in delivering customisable solutions that fit the specific needs of our customers. We are working with many of the world's largest broadcast companies that require the

perfect combination of density, flexibility and speed. HUBER+SUHNER has been supplying the telecom market since its inception. Together with Dartcom their technologies are used in all areas of the network and we are the ideal supplier for companies moving towards a converged all IP infrastructure. We support the requirements from the legacy network and we understand the challenging needs of the future.

To mention a few market segments we have established applications and solutions to be implemented includes

- Colocation
- Telecom
- Central Office
- Enterprise(Campus)

## ACTIVE EQUIPMENT

Dartcom SA is a distributor of various active equipment solutions such as Fibre Monitoring Solutions, Transceivers, GPON Equipment, Optical Switching, Fibre Management Systems.

### FastLight

Fastlight is there to future proof the operator's network, not only by pro-actively managing fibre faults, but also by managing the network expansion and maintenance using the capacity management module. The operator will always know the state of the network and be able to dynamically address problem before they become service affecting, as well as manage the cost of customer additions and maintenance teams.

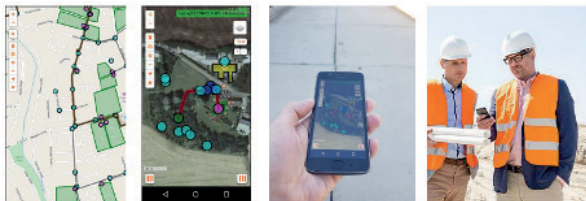
With FastLight the operator can guarantee the status of their fibre network at any given time, this allows for better management especially when provisioning or making changes to the existing network.

FastLight takes care of things normally requiring highly skilled technicians in order to diagnose faults with the network, storing results in the database allowing for easy management.

Improved visibility for all third parties connected to your mapped network, including a view of your core networks, makes network responsibility clearly visible.

FastLight leads to dramatic OpEx reductions –reduced downtime, eliminates first time fails, no unnecessary truck roll, automates fault finding with no handheld equipment needed and helps builds networks with 100% capacity availability.

Utel FastLight is an advanced hybrid fibre monitoring solution that can monitor all single mode fibre network types (PON, Point to Point, Longhaul, Metro and Access networks). It also includes a program management tool and a network planning and deployment tool.



### Transceivers

Dartcom has a wide range of multimode and single mode



SFP,XFP,CFP and cabled transceivers available.

### All Optical Switching

The Polatis Series of Network Optical Switches are a high-

performance, fully non-blocking all-optical matrix switch available in sizes from 8x8 up to 384x384. It is designed to meet the highest performance and reliability needs of the most demanding applications with exceptionally low optical loss, compact size, low power requirements and fast switching speeds. With support of Software-Defined Networks (SDNs) via an embedded NETCONF and RESTCONF control interfaces, it enables extremely low latency for time-critical traffic required for new virtual cloud services in hybrid packet-optical data centers. The Series is based on Polatis' patented DirectLight® optical switching technology that has been proven in the most challenging data center, telecom and defense applications and is also used by major network equipment manufacturers to automate testing of optical components and subsystems.



### GPON – Generic ONT and Access Gateways

Dartcom have a full range of Generic ONT's for both GPON and Active Ethernet available in various configurations as well as active ethernet gateways.



## WAREHOUSING AND LOGISTICS

Dartcom SA (Pty) Ltd is South Africa's leading specialist distributor and provider of value-added services in the telecommunication sector. The company's warehouses are based in Pretoria; Durban and Cape Town.

The impressive warehouses are vast and expansive and house the company's extensive line items. Adjoining the state-of-the-art Radio Frequency (RF) and Fibre Optic (FO) laboratories, the warehouse is a professional operation that makes for easy identification and quick distribution of products, ensuring client satisfaction and exceptional service levels to the communication industry in Africa.

### Logistics

In its quest for service excellence, Dartcom SA offers the client a fully customised logistics service solution if required. The company sub-contracts a professional team of truck operators to meet the client's transportation needs from distribution centers in Cape Town (Cape Province in South Africa), Durban (KwaZulu-Natal Province in South Africa) and Irene, Pretoria (Gauteng Province in South Africa).



## LOCAL MANUFACTURING

Dartcom SA is proud of its state-of-the-art manufacturing centre which is located at the Head Office in Irene, Pretoria. The impressive radio frequency (RF) and fibre optics (FO) laboratories assemble, manufacture, test, provide product support and quality control management of Dartcom SA's wide range of products.

The company is totally committed to customer excellence and is well equipped to fully support its extensive product range through constant R&D development and levels one, two and three product support and maintenance. The RF and FO laboratories are kept up to date with the latest technologies due to the company's strategic alliances with its suppliers. License agreements ensure the company has the latest technologies available to ensure the customer benefits from the avant-garde products and quality services.

The local manufacturing include test facilities to do insertion loss(IL) testing as well as return loss (RL) testing. Connector loss over each connector are individually measured, labelled

and recorded. This ensures that the client always has full traceable record of each connector's measured values. All processes used are fully compliant to the certified Huber+Suhner processes. End-face geometry tests are performed to international specification to ensure fibre height, radius and apex are maintained during the polishing process.

Assemblies manufactured locally range from: 250µ coated fibre to 2.7mm ruggedized fibre cable in simplex, duplex fig.8 as well as duplex fig.0

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## KEEPING AFRICA CONNECTED

**Dartcom SA (Pty) Ltd is head quartered in Olifantsfontein, Gauteng, South Africa and proudly supports the telecommunications industry in Africa**

Angola  
Botswana  
Cameroon  
Gabon  
Ghana  
Ivory Coast

Kenya  
Lesotho  
Malawi  
Mauritius  
Mozambique  
Namibia

Nigeria  
Republic of Congo  
South Africa  
Swaziland  
Tanzania  
Togo

Uganda  
Zambia  
Zimbabwe



COMMUNICATION INFRASTRUCTURE MARKETPLACE

## Gbitel focuses on providing full turnkey solutions which include:

- Network planning - mobile, fixed (fibre – ISP, OSP and backhaul) and wireless networks
  - Wayleaves
  - EIA – environmental impact assessment
  - H&S – NOSA
  - ISO certification
  - Power (AC, DC, solar, generators and backup)
  - Towers (design and install - temp, rooftop, cell extenders and permanent)
  - Containers (conventional, high security and bunkers)
  - Sign-on and management of sharing parties on tower infrastructure – MNO's, fixed line operators, wireless network operators
  - Security (CCTV, facial and number plate recognition)
  - Smart city – business park management
  - Fibre networks - FTTX, FTTB, back haul (design, build, monitoring, maintenance and audits)
  - Power solutions – supply, install and maintenance of hybrid, solar, fuel cell and generator
  - Managed services on owned, leased and supplied infrastructure. (Fibre, security, tower, container, power and infrastructure)
  - Network monitoring & network management based on ITIL v3/4
  - T1/2/3 support via a network operations centre and security operations centre.
  - ISP – wholesale internet connectivity
  - SOC – security operations centre (cyber security)
- Gbitel is your partner of choice with various options on funding, building, operating and maintenance models to ensure commercial viability.

# CONTACT US

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