Introduction

As part of Pinnacle, a subsidiary company of the Alviva Holdings Group, being a large technology distribution company in the JSE-listed Alviva Holdings stable, VH Fibre Optics (Pty) Ltd is a value-add distribution and installation services company specializing in passive fibre optic network solutions. VH Fibre Optics has a comprehensive product range that is suitable for fibre optic networks in the Telecommunications, IT, Premise, Datacentre, Security and Industrial markets.

VH Fibre Optics(Pty)Ltd is structured to provide Turnkey Solutions to our clients by providing in – house capability, resources and skills from our available resource pool.

VH Fibre supplies a comprehensive portfolio of state-of-the-art Fibre optic products catering for; Central Office, Feeder and Distribution, Drop and Premises as well Fibre Accessories for,

- FTTX [Fibre to anywhere]
- FTTH [Fibre to the Home]
- FTTB [Fibre to the Building]
- FTTS [Fibre to the Site]
- FTTA [Fibre to the Antenna]
- Long Haul, Metro and Access

Being an official distributor for the Prysmian Group product range, VH Fibre Optics offers tailor – made solutions to cater for customer requirements and infrastructure needs.

VH Fibre Optics(Pty)Ltd(Pty) Ltd was established in 2008 to accommodate various markets in South Africa as well as other selected African countries.

Through our commitment to excellence, and relationships with major international companies, we entered the market as one of the leading Total Turnkey Service Providers of OSP Telecommunications projects in Africa.

With our entrepreneurial culture, which we balance with strong risk management discipline, innovative, flexible and nimble approach, we provide a client – centric approach and are being recognized as a Distributor and Service Provider of choice.
Shareholding
100% owned by DCT Holdings (Pty) Ltd (2013/196828/07)

Board of Directors
PN van Heerden
GJ Wiehahn
TP Humphreys – Davies

Support Structure
Board of Directors

Vision, mission and objectives of the Business Entity
As a Distributor and Service Provider of choice, our technical expertise and commitment to deliver, VH Fibre Optics vision is to facilitate and implement turnkey project-based solutions to the public and industrial telecommunications network markets in Africa.

VH Fibre Optics’ Mission is to build a strong legacy of which customers, shareholders and staff, their families and future generations will be proud of,

Through
▪ Our on-going involvement in the supply of Products and Services in developing and deploying Telecommunications Infrastructure which forms the backbone of many economies in developing countries.

Through
▪ Our commitment by prioritizing people, equality and fairness in all relationships we forge with customers, staff and shareholders.

Through
▪ Our active contribution to social development and sustainability

Our objective will always be to improve our customer satisfaction, employee satisfaction and increase our leadership depth to stay on top of our business.

Our Core Values is based on the following foundations
▪ Respect
▪ Health and Safety
▪ Green Management
▪ Ethical Behavior
▪ Excellence
▪ Understanding
▪ Integrity
▪ Honesty

VH Fibre Optics along with our experienced qualified managers and support staff have the necessary resources to ensure that projects are completed effectively, efficiently and we strive to not only meet but exceed expectations for the relevant projects.
Size in respect of staffing, compliance to BEE standards

VH Fibre Optics consists of 129 employees of the 2 654 in the Alviva Holdings Group.

VH Fibre Optics is proudly a level 2 BEE contributor with;

- 51% Black ownership
- 42% Black women ownership

Location - Head Office and Branch Offices

VH Fibre Optics(Pty)Ltd is Headquartered in South Africa Randburg, with an established South African footprint with branch offices in, KZN, Bloemfontein and Cape Town with planned branch offices in Mozambique, Zimbabwe, Tanzania and Rwanda.

Business Partnerships

With our business partnerships it gives us an advantage where we provide in – house capacity and capability – resources and skills.

On larger assignments, we add experienced professionals to our team with whom we have strong strategic alliances. We maintain collaborative relationships with top class professionals in a range of disciplines to provide specialized expertise where needed.

With our collective strength, VH Fibre Optics (Pty)Ltd offers planning, design, construction, engineering, maintenance and procurement services to keep pace with the growing demand in the energy, transportation, telecommunications, water and utility construction industries.

Profile of Activities

VH Fibre Optics specializes in various fields in the telecommunications industry and provides tailor – made solutions to our clients. Our business is very well defined and segmented with our business partners to provide a focused quality solution and services to our clients.

With our multi – disciplinary approach, we offer the following:

- Consultancy Services
- Solution Engineering Services
- Professional Planning Services
- Overall Network Solutions and Design
  - High Level Network Designs (Incl. BoQ and BoS)
  - Low Level Optimized Network Designs (Incl. BoQ and BoS)
  - Expansion Plans and Future Proofing
- Right of Way Application Services
- Project Management
- Quality Management
- Outside Plant Optical Fibre Infrastructure Deployment
- Specialized Technologies
- Cable Installation Technologies
- Fibre Optic Cable Splicing and Testing Technologies
- Maintenance Services
- Business Development and Innovation
- Training
- Utilities Metering and Reporting
- Security and Access Control
- Passive Fibre Product Solutions for:
  - Outside Plant (Feeder and Distribution Networks)
  - Fibre Solutions for Security and Access Control
  - Inside Plant (Malls, High Rise Buildings, MDU’s, FTTh, Hospitals)
- Product:
  - Warehousing
  - Product Management
  - Contractor Management (Direct Product Supply)
  - Quality Assurance Systems

Consultancy Services

Our Technical Consultancy Team helps you Design, Deploy and Managing the Outside Plant Infrastructure which underpins your business. Our services include the following:

- Business Unit Consultancy and Planning,
- Budgets and Costing Models
- Project Management and implementation planning,
- Detailed logical and physical OSP network design,
- Materials Control and Logistics,
- Metro, Access, Long Haul and FTTh,
- Rapid deployment and network rollouts,
- Product installation and customization,
- Solutions services for network and cabling infrastructures

From that, your business could benefit from optimized network performance and scalability, reduced costs and complexity.

Solution Engineering

The key is early involvement – in fact, as soon as possible once the idea is conceived. By helping you define the OSP network, we can provide meaningful guidance for the design of the OSP network. We conduct first phase desktop studies, site studies & surveys, help secure planning and zoning approvals, and perform a variety of other pre-design tasks. When involved at the earliest planning stage, we can find more opportunities to understand the purpose of your project, develop creative solutions, and propose ways to reduce costs. We can fully develop your network in the context of its surroundings and for future growth potential.

Professional OSP Network Infrastructure Planning Services

At VH Fibre Optics (Pty)Ltd Design Systems we offer a wide range of planning services formulated to allow our customers to meet their unique project goals efficiently and cost effectively. Our standards, RFP, and bid specification documents allow our customers to take total control of their telecommunications projects from the onset, resulting in a consistently higher quality product at a market related installed cost. Our needs analysis and site audit services assure that our customers purchase and receive only those exact products and services they require, without wasting valuable money and resources on those they don't. With our move and relocation planning tools, VH Fibre Optics (Pty) Ltd Design Systems can turn even the most daunting site relocation project into a routine event. Make the right planning move; begin your next telecommunications project with VH Fibre Optics (Pty) Ltd Design Systems.

- Standards and Specification Development.
- RFP and Bid Specification Development.
- Needs analysis Surveys.
- Facility and Site Audits.
- Site Selection and Evaluations.
- Electrical Load Studies.
- Relocation Planning.

**Overall Network Solutions and Design**

VH Fibre Optics (Pty) Ltd. provides working drawings for Optical Fibre Outside Plant Infrastructure; the placement of fibre optic cable in buried, aerial, and underground formats.

We offer the following Planning, Survey and Design Services:

- High Level Network Designs (Incl. BoQ and BoS).
- Low Level Optimized Network Designs (Incl. BoQ and BoS).
- Expansion Plans and Future Proofing.
- Survey and Design of OSP Plant.
- Physical Route Drawings/Diagrams.
- Optical Fibre Cable Patching and routing diagrams.
- OSP Route and Manhole Identification.
- Cable, Joint Closure, ODF and Patch Panel Identification.

We cover all aspects of telephony design from the initial planning stages of a project through the completion of construction and beyond. Whether you require urban design [Core, Metro, Access or GPON] or long haul rural design, VH Fibre confidently provides the quality you insist upon – on-time and at a competitive price.

Our experienced design staff can produce work prints that range from routine line extensions to multi-million dollar, legally mandated route changes. We have experience designing Metro rings and FTTX solutions for Network operators, municipalities and telecoms companies.

**Right of Way Applications**

VH Fibre’s Right-of-Way team, brings wayleave expertise back to the construction site. Whether you want to know if you may have an existing wayleave, or if you need to acquire wayleaves over the many miles of your project, we have the experience and the manpower to work quickly on your project while reducing your expenses.

**Project Management**

VH Fibre Optics (Pty) Ltd provides complete telecommunications project management services, utilizing the latest industry recognized methods and techniques, delivered with the highest ethical and professional standards. We take a rational and thoughtful approach with our clients to establish clear and precise objectives. Utilizing our over 30 years of industry experience, we meet those objectives, time after time VH Fibre Optics (Pty)Ltd provides leadership, organization and control to deliver you a successful project; on-time, on-budget, as-planned.

- Project Integration and Coordination.
- Project Execution Planning.
- Project Implementation Management.
- Project Schedule Development and Tracking.

- Project Time Management.
- Subcontractor and Vendor Management.
- Material Procurement and Management.
- Project Quality Control.
- Relocation Management.

**Quality Management**

VH Fibre Optics (Pty) Ltd employs a comprehensive quality management system embracing planning, control, improvements and assurance, incorporating the requirements of ISO 9001as well as ISO requirements prescribed by our customers.
Occupational Health and Safety [OHS]

VH Fibre Optics (Pty) Ltd complies with all the requirements of OHS and we also incorporate the “Absolute Rules” initiative which are promoted by most of our clients.

At the end of the day, people take precedence over everything else. Regardless of the size and scope of the project, we hold the safety and health of our employees, contractors, customers/clients, public and the environment as our highest core value – No exceptions! It is our philosophy that safety performance is a key indicator of organizational excellence, and therefore, safety is incorporated into our business plan.

Our commitment to complying with regulatory/legislated requirements, and to protecting the safety and well-being of our employees, others involved in our operations, customers, and the public is key to our business. While our renowned innovation is core to our success, we strive to ensure that at the end of every day...everyone goes home in the same or better health than when they came to work.

Outside Plant Optical Fibre Infrastructure Deployment

The communications industry is all about new technologies and speed. Nowhere are these qualities more fundamental, which is why VH Fibre Optics prides itself on achieving 100 percent self-sufficiency in planning, designing, installing and delivering the precious commodity today’s generation can’t live without. The projects we complete range in size from small section replacements of several hundred metres, to placing several hundred kilometres of Fibre to the Home (FTTH) or fibre to the tower. Our experienced subsidiary companies provide quality work and have earned a reputation of being the best in the business. We’ve got today’s demands covered. From utilizing aerial photography and GPS to document and archive underground cable installations to installing the lowest latency networks in the country, VH Fibre Optics moves as fast as the industry itself to keep our customers firmly perched on the digital horizon.

VH Fibre Optics authored the book on diversified utility construction. Our broad spectrum of services provides increased convenience and efficiency on every project. Our Services include:

- Survey and Design.
- Services Locating.
- Direct Laying/Mole Ploughing.
- Directional Drilling.
- Conventional/Automated Trenching.
- Cable Hauling and Blowing.
- Manhole Construction and Conduit Installation.
- Aerial construction – ADSS Tension Stringing.
- Splicing and testing and cutover of fibre optics.

Specialized Technologies

VH Fibre Optics utilizes advanced technologies to compliment various infrastructure installations such as; Services Locating, Trenchless Technologies, Direct Lay Technologies as well as Automated trenching technologies.

Optical Fibre Cable Blow in Technologies

To reduce major cable handling (man handling), VH Fibre Optics utilizes the latest Cable Blow in Technology which improves production and efficiency. We are equipped to handle both Micro and Macro Cable Installations. As part of our value add service, we offer DIT [Duct Integrity Test] tests to ensure the Duct Infrastructure has been installed correctly.

Optical Fibre Splicing and Testing Technologies

VH Fibre Optics utilizes state-of-the-art fusion machines to maintain maximum efficiency, lower splice loss, and provide superior performance on your network. Our technicians are highly skilled in all aspects of fusion splicing, testing in-service “hot cuts”, emergency restoration, etc...

VH Fibre Optics’ Complete Fibre Optic Services:

- Complete fibre optic splicing (fusion and/or mechanical).
- Complete testing services, such as end to end OTDR, Pre – and Post testing,
- Splice loss testing,
- ORL, power meter/laser source testing.
- Connectorization and polishing.
- Emergency restoration and in-service “hot cuts”.
- Custom cable assemblies.
- WDM testing [PMD and CD] [Outsource].
- Intelligent Optical Fibre Distribution Solutions.
Maintenance Services Solutions

VH Fibre Optics combines its professional services delivery capabilities with its solid vendor and contract relations, to provide our customers with a support and maintenance service for their Fibre Networks. Our services offered covers all the areas necessary required to reduce down-time, thus ensuring high availability to render continuous services to our customers. VH Fibre Optics offers 24/7/365 emergency response and restoration services starting with our support service desk, 1st, 2nd and 3rd Line Support, Preventative Maintenance, Spares holding and management, Service Level Agreements identifying critical, major and minor incidents to attend to, ensuring that our customers maintain the highest service level possible.

Continuous Business Development

Gearing up for the future, VH Fibre Optics continuously busy to diversify our business and are in the process of setting up a Business Unit to compliment the enablement of 5G technologies as well as deploying small cells across indoor venues such as office buildings, hospitals, airports, campuses, public buildings and shopping malls.

The installation of compatible small cells – micro, pico and femto cells – is becoming more common as second tier to macro network sites for LTE and 3G deployments both indoors and outdoors. For both indoor and outdoor applications, VH Fibre Optics provides the products and services that make small cell deployment an even more preferred solution. From fibre-optic connectivity, enclosures and management to network design, site evaluation and deployment, VH Fibre Optics designs, installs and maintains these systems offering a complete end-to-end integrated Small Cells - both indoor and outdoor solution and a managed service offering.
Product Development and Innovation

VH Fibre Optics, together with their business partners continuously develops customized products for its customers utilizing a unique combination of research and development with design and engineering capabilities to develop products complementing our Fibre Business.

VH Fibre have an innovative and dedicated team of people with expertise in product development, industrial design, mechanical engineering and marketing. This is creating new business opportunities, fostering economic development and entrepreneurship ensuring skills development and adding value to mature businesses for the Telecoms and Industrial sector.

We provide tailored, tried and tested solutions to ensure that our products are sustainable and its delivery to the final customer is practical.

Training

It is however also clear to VH Fibre that a strategy to support the growth and knowledge base of the African countries in which it operates, is required. Our approach to contracts outside South Africa is to supply only the core highly skilled personnel and specialist plant from our resource pool, and as far as possible, local personnel are used and trained. It is our policy to transfer skills and to build up partnerships with locals for on-going regional development, invariably far more than minimum tender requirements.

Company Information

A. Full legal name of business: .......................VH Fibre Optics (Pty) Ltd
B. Trading Name: ........................................... VH Fibre
C. Registration No: ...................................... 1998/000499/07
D. VAT Registration No: ................................. 4600171194
E. BEE Status: ................................................... Level 2
F. Physical Address: .......................................... Unit 9 Aintree Avenue, Northriding, Randburg, 2169,
G. Postal Address: ............................................ Postnet Suite # 262, Jukskei Park, 2153
H. Contact Information: .................. Tel: 011 791 4177
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