Outside Plant (OSP) Project Specialist

The Fiber Optic Association, Inc. FOA Certified OSP Project Specialist

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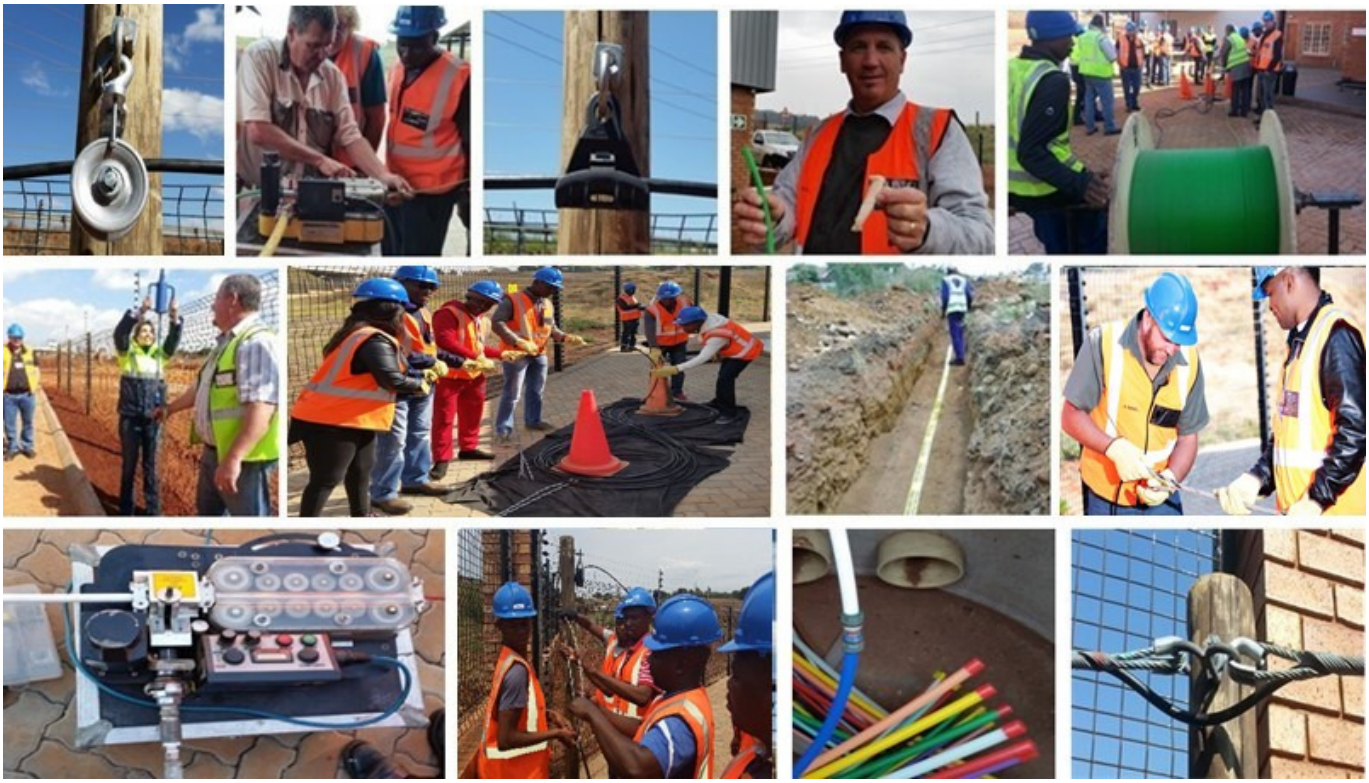
ACC/2012/05/771
SAQA ID 246719
NQF Level 04
Credits 08

TRIPLE PLAY
Fibre Optic Solutions



About the course

The primary focus of this course is to provide comprehensive coverage of the best practices for the deployment of optical communication networks.

Trenching, duct installation, air-assisted installation practices, hauling, aerial work practices, and much more is taught with lots of hands-on practice.

Comprehensive hands-on activities and the underlying theory are combined to provide a firm understanding of the concepts underpinning the deployment of optical communication networks.

Also provided is coverage on site management, wayleave applications, health & safety guidelines, quality, and environmental management.

Who should attend?

No previous experience is necessary. This training program is not limited to contractors, installers, or technicians - it is an excellent credential for sales and marketing personnel, indicating their comprehensive knowledge of the industry and building confidence in their assistance to their customers.

The instructors

Teaching is provided through a mixture of lectures, demonstrations, and practical sessions.

Each of the instructors involved with this course has over three decades of optical fibre experience and we welcome the opportunity to share our knowledge, insight, and experience with you.

Should you have any questions about the course, please feel free to contact:

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Course Content

Theory and Demonstrations
Introduction to Optical Fibre
Fibre Geometric Parameters
Cable Jackets
Strength members
Moisture / Water-blocking
Micro ducts
Micro cables
Colour Coding
Environmental Considerations
Health and Safety Considerations
Wayleave's
Quality
Pre-build Procedures
Camp Establishment / Holding Area
Trenching
Sludge Test
Trench Width
Pilot Holes
Location of Services
Trench Shoring
Notifications
Private Property
Suggested Trenching Practices
Barricading
Trenching near Paving, Guttering, etc.
Crossings, River, Bridge and Road
Duct Deviation
Trenching near Power Cables
Steep Gradient Trenching
Tree Roots
Surface material
Duct Un-Coiling Installation Process
Bedding, Padding and Backfill
OMC testing
Trench Compacting
DCP Test
Direct-Buried Installations
Earthing and Bonding
Markers
Manholes and Handholes
Directional Drilling
Reinstatements
Pre-installation Cable Testing and Inspections
Cable play-off
Air-Assisted Installation Practices
DIT Testing
Cable Blowing Lubricants
Cable Bend Radius
Micro Duct Tools and Accessories
Pole Handling PPE
Transportation of Poles
Pole handling
Ladder lashing, climbing, safety belt, etc.
Survey Equipment and Tools
Survey - Gather Route Information
Checks to be undertaken
Wooden Pole Inspection
Hole-digging Tools
Pole Holes
Poles set in Concrete
Pole Spacing
Suggested Aerial Work Practices
Selection of Pole and Stay Positions
Types of Stays
Stay Guards
Struts
Stay Holes
Stay Spread/Height Ratio
Termination of Stay Wire
ADSS Installation
Power Crossings
Cable Clearance
ADSS Installation
Dead-End Sizes
ADSS Terminations and Support Types
Dynamometer
ADSS Sagging
Cable Slack
Cable Hauling
Pre- Installation Checks
Duct Rodding
Duct Testing and Cleaning
Centre-Pulls and Back-feeding
Pulling Tension
Pulling Socks
Hauling Rope
Duct Fill Ratios
Access Build
Dolomite (hard rock)
Hand-on Activities
DCP Testing
Cable Hauling
ADSS Erecting
Figure-eighting
Sagging
True & false terminations, tangent supports
Ladder lashing and climbing
DIT Testing
Cable Floating