Sterlite Tech

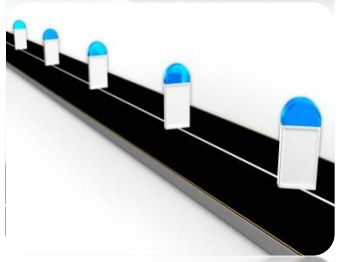
Sterlite Tech Academy

Creating Smarter Network Professionals

AGENDA

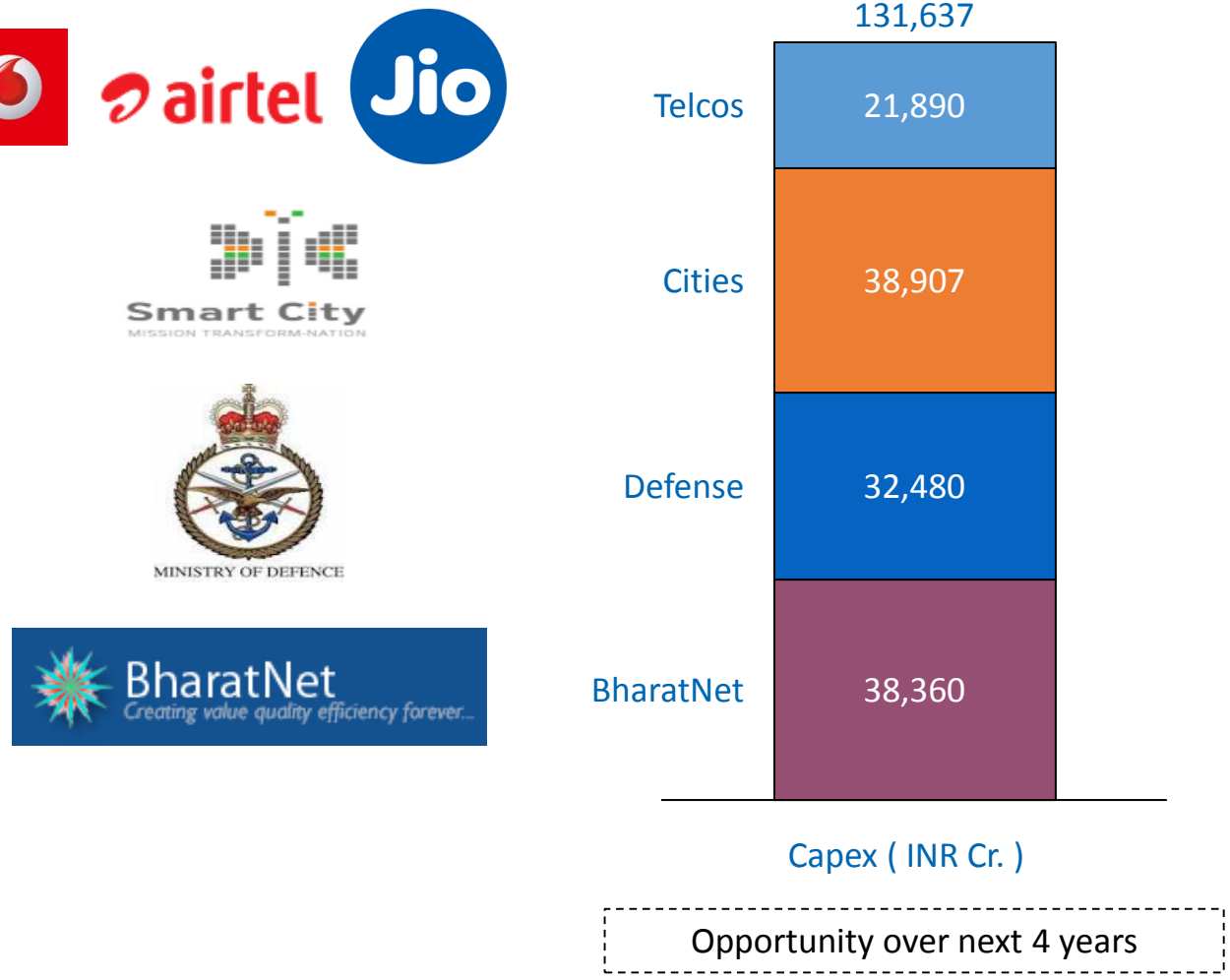
- India Opportunity Landscape
- What do we need?
- Sterlite Tech Academy - Mission

- Objectives and Benefits
- Our Methodology
- Our Offerings



- Journey so far
- Key Take Away

India Opportunity Landscape



- Design
- Build
- Manage

➢ Around Rs 1.3 lakh Cr. addressable opportunities are envisaged for the creation of Broadband, Smart cities & Defense networks

Source: Company estimates

What do we need?

Engineering challenges in existing infrastructure need to be pondered upon like

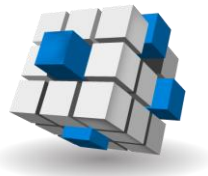
- Fibre having a life span of 5-7 years when the best can be up to 25 years
- Non-traceability of fibre
- Non-standardized O&M Practices

Sterlite Technologies

Transforming everyday living by delivering Smarter Networks

Translation of Opportunities

Right Skills and Capabilities



Standardization of Deployment Practices

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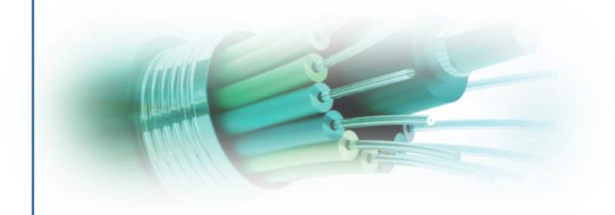


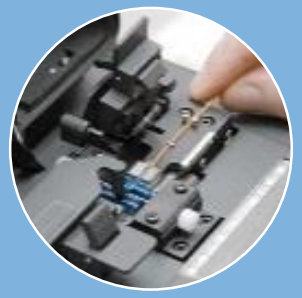
…Creating Smarter Network Professionals

Objectives and Benefits

- Developing **Right Skills** in the realm of OFC Deployment
- Creating a **Knowledge Base –** An army of certified network professionals
- **Nation Building** – Building Reliable Network
- **Standardization** of Deployment Practices in India
- Engaging with Telecom Operators & Partners for a better connected tomorrow
- Generate Employment Opportunities

Our Methodology

Classroom Sessions



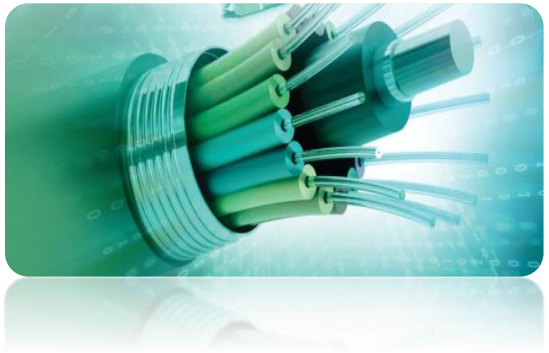
Hands on Sessions

3 level Assessment

Certification

Our Offerings

Sterlite Tech Academy - Offerings



OUTSIDE PLANT CABLING

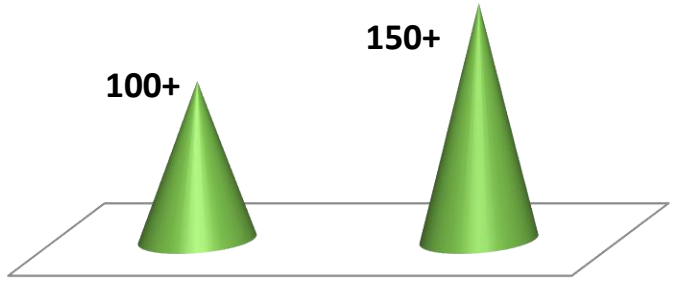
- OSP Construction Planner
- OSP Deployment Manager
- OSP Installer
- OSP Network Auditor

FIBER TO THE HOME

- FTTx Designer
- FTTx Installer
- FTTx Network Auditor

… Journey So Far

Sterlite Certified Smarter Network Professionals



Project Managers, Cluster Managers, Supervisors, Field Engineers, Application Engineers, Sales Representatives

Media Coverage…

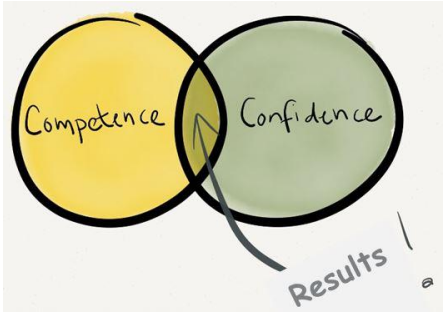
Sterlite Tech redefines data network deployment standards – launches Sterlite Tech Academy

- Cable Technology News UK (August 2016)

Sterlite Technologies to create smart network professionals in India

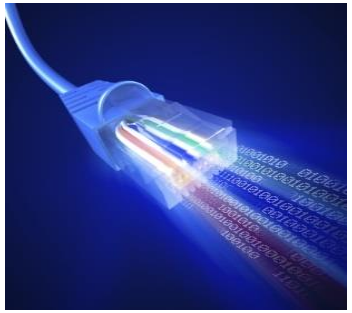
– Economictimes (August 2016)

Key Take Away



Confident and Competent Workforce

Blend of Quality and Speed



FTTx and OSP Solutions

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Thank You

Outside Plant Cabling

OSP Fibre Optic Network Construction Planner – C1

Target Audience

Engineers & Managers from Telecom Operators and Contractors

Course Duration

3 days

Prerequisites

- Graduate
- Basic understanding of Optical Fibre

Content Highlights

- Innovative Design Techniques
- Systematic Learning Approach

Content Details

- General Fibre and Cable Information
- Codes , Standards and Regulations
- Route Designs
- Cabling Topologies
- Media Selections
- Splicing
- Pathways
- Documentation
- Design Case Studies
- Right-of-way
- Writing Project Specifications and Estimations

OSP Fibre Optic Network Deployment Manager – C2

Target Audience

C3 Certified Personnel, Managers from Telecom Operators and Contractors

Course Duration

3 days

Prerequisites

- Graduate
- Basic understanding of Optical Fibre
- C3 preferred

Content Highlights

- Exhaustive Products knowledge
- Extensive Testing and Troubleshooting

Content Details

Theory:-

- Optical Fibre Characteristics
- Fibre Optic Cable Designs , materials and structure
- Connectorisation and Splicing
- Outside Plant cable Management
- Underground Cable System Design Underground construction
- ADSS Cable System Design and Cable Construction
- OPGW Cable System Design and Cable Construction
- Testing Requirements and Results Interpretation
- Fibre Optic Safety procedures

Practical:-

- Handling and Installation
- Cable and Closure Preparation
- Splicing OTDR Troubleshooting

OSP Fibre Optic Network Installer – C3

Target Audience

Field Engineers and Managers from Telecom Operators and Contractors

Course Duration

3 days

Prerequisites

- Graduate
- Basic exposure of having worked in deployment of cables

Content Highlights

- Industry best installation practices
- Extensive hands on

Content Details

Theory:-

- Optical Fibre Characteristics
- Fibre Optic Cable Designs , materials and structure
- Connectorisation and Splicing
- Outside Plant cable Management
- Underground Cable System Design Underground construction
- ADSS Cable System Design and Cable Construction
- OPGW Cable System Design and Cable Construction
- Testing Requirements and Results Interpretation
- Fibre Optic Safety procedures

Practical:-

- Handling and Installation
- Cable and Closure Preparation
- Splicing OTDR Troubleshooting

OSP Fibre Optic Network Auditor – C4

Target Audience

C3 personnel and Quality Stakeholders

Course Duration

1 day

Prerequisites

- Graduate
- C3 preferred

Content Highlights

- Acceptance Tests regulations
- Codes and Standards for both Civil and OFC link

Content Details

- Codes, Standards and Regulations
- Acceptance Tests for Civil Work
- Acceptance Tests for OFC layout
- Civil Testing like Cross-pit
- Specification Verification
- Documentation

Fiber to the Home

FTTx Designer – F1

Target Audience

Engineers & Managers from Telecom Operators and Contractors

Course Duration

2 days

Prerequisites

- Graduate
- Basic understanding of Optical Fibre and FTTH

Content Highlights

- Multi-faceted FTTx Design Exposure
- Systematic Learning Approach

Content Details

- FTTH Standards
- Fibre and Theory
- Cable and Fibre Termination
- Cable Management
- Network Topologies and components
- Network Design
- Single Family Residential Areas
- Rural Areas
- Passive and Active Devices
- AE versus PON
- OLT's and ONT's
- Loss Budgets & Specifications
- Safety

FTTx Installer – F2

Target Audience

Field Engineers & Managers from Telecom Operators and Contractors

Course Duration

3 days

Prerequisites

- Graduate
- Basic understanding of Optical Fibre

Content Highlights

- Industry best installation practices
- Real time test and troubleshooting scenarios

Content Details

Theory :-

- Introduction
- Fiber and Cable basics
- FTTH Standards
- FTTx PON Methodology
- Fiber Cable Management
- Installation :- OSP and In-Building(both Underground and aerial, plenum)
- Grounding Techniques for Armour Cable
- Connectors and its testing
- Splicing
- Testing – OTDR, Power loss, Visual fault detector,
- Test Disciplines and Fundamentals
- Passive Devices and it's installation (i.e. FDMS)
- Active Devices – Basic
- Network Components
- OLTs and ONTs
- AE versus PON
- Safety

Practical :-

- Connectorisation
- Splicing(Both Mechanical and Fusion)
- Cable Termination
- OTDR :-How to operate,Troubleshoot and Trace Analysis
- Power Loss, Visual Fault Detector and Fibre Identification

FTTx Network Auditor– F3

Target Audience

F2 Certified personnel, Quality Stakeholders

Course Duration

2 days

Prerequisites

- Graduate
- F2 preferred

Content Highlights

- Extensive FTTx Standards , Codes and Regulations Testing

Content Details

Theory :-

- Network Build Process
- Checklist (CO/OSP/IBD)
- Documentation
- Installation and O&M AT/Audit
- Process for HOTO/checklist
- SOP fibre Installation and testing
- SOP IBD and customer wiring
- FTTH Standard and specifications
- Codes and regulations
- AT for Civil work
- Test Disciplines
- Safety

Practical:-

- OTDR , Power Loss, Visual Fault detector and Fibre Identifier
- Troubleshooting Exercise :-OTDR Trace Analysis