Hexatronic Microduct Network Design

COURSE DESCRIPTION:

This course will equip you with the skills and knowledge you need to know when working as a network designer and/or a project manager in microduct based network installations.

This is a three-day course consisting of theory, practical design exercises and hands-on sessions with products to give you a flavour of the capabilities of Hexatronic air blown solutions.

Hexatronic NZ has partnered with CommsLearning to provide you with a solid foundation & practical experience in order for you to gain this certification.

WHO SHOULD ATTEND:

Network designers, Implementation project managers and anyone working in a Microduct network design environment.

SOME COURSE BENEFITS:

On completion of the course, the participant will:

- have a holistic view of air blown solutions and capabilities in FTTx, campus and building networks.
- have a good overview of the different product ranges and be able to use the right product in the right place in the design.

FORMAT:

3 days, interactive classroom/workshop based, with a written test and hands on exercises.

Maximum attendees 12 per course

CONTENT:

This course covers.

- Microducts
  - Tight Protected Duct (TPD)
    - Direct Buried (DB), Ribbonet® and Micronet®
    - Duct Install (DI), Ribbonet® and Micronet®
  - Thick Wall Ducts (TWD)
  - Indoor ducts (LSZH)
  - Aerial ducts
  - Ducts for special applications

- Air Blown Fibres
  - Microcables
  - Nanocables
  - Air Blown Fibre Units (ABFUs)

- Hybric cable solutions

- Accessories for microduct jointing and for sealing the network

- Connectivity products

- Air blown cable installation theory
  - What performance can you expect from the products

- Network design
  - FTTH
  - Campus networks (HaaS, Universities, Hospitals etc)
  - Buildings: shopping centres, airports and other public buildings
  - MDUs
  - Remotely powered networks for Wi-Fi, security and mobile RAN applications

- Hands-on with products

- Network design exercises

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AGENDA

Day 1:

Time	Agenda
08:30 – 16:30	Theory/classroom Introductions and goal for the day Hexatronic system warranty Microducts o Tight Protected Duct (TPD) o Thick Wall Ducts (TWD) o Indoor ducts (LSZH) o Aerial ducts o Ducts for special applications Air Blown Fibres o Microcables o Nanocables o Air Blown Fibre Units (ABFUs) Hybric cable solutions Accessories for microduct jointing and for sealing the network Connectivty products Product specifications, installation instructions and other supportive documents Air blown cable installation theory

Day 2:

Time	Agenda
08:00-16:00	Hands-on with products - Microducts - Microcable blowing - Nano cable blowing - ABFU installation Network design, theory - FTTH - Campus networks (HaaS, Universities, Hospitals etc) - Buildings: shopping centres, airports and other public buildings - MDUs Remotely powered networks for Wifi, security and mobile RAN applications

Day 3:

Time	Agenda
08:00-16:00	Network design workshop - Practical design exercises in different scenarios - BOMs Certification test

ASSESSMENT:

- Instructor led interactive quizzes
- Multiple choice written certification test
- Practical Assessment

Delivered in association with

HEXATRONIC New Zealand