

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:

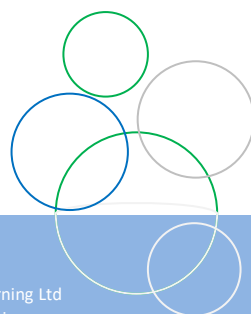
On completion of the course, the participant will:

- 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

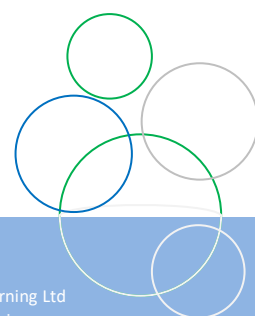
- Connectivity products

- 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

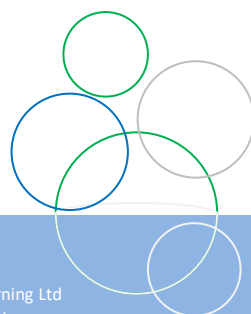
- Network design exercises



AGENDA

Day 1:

Time	Agenda
08:30 – 16:30	<p>Theory/classroom</p> <p>Introductions and goal for the day</p> <p>Hexatronic system warranty</p> <p>Microducts</p> <ul style="list-style-type: none">o Tight Protected Duct (TPD)o Thick Wall Ducts (TWD)o Indoor ducts (LSZH)o Aerial ductso Ducts for special applications <p>Air Blown Fibres</p> <ul style="list-style-type: none">o Microcableso Nanocableso Air Blown Fibre Units (ABFUs) <p>Hybrid cable solutions</p> <p>Accessories for microduct jointing and for sealing the network</p> <p>Connectivity products</p> <p>Product specifications, installation instructions and other supportive documents</p> <p>Air blown cable installation theory</p>



Day 2:

Time	Agenda
08:00-16:00	<p>Hands-on with products</p> <ul style="list-style-type: none">- Microducts- Microcable blowing- Nano cable blowing- ABFU installation <p>Network design, theory</p> <ul style="list-style-type: none">- FTTH- Campus networks (HaaS, Universities, Hospitals etc)- Buildings: shopping centres, airports and other public buildings- MDUs <p>Remotely powered networks for Wifi, security and mobile RAN applications</p>

Day 3:

Time	Agenda
08:00-16:00	<p>Network design workshop</p> <ul style="list-style-type: none">- Practical design exercises in different scenarios- BOMs <p>Certification test</p>

ASSESSMENT:

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

Delivered in association with

