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Fixed Network Planning and Design Essentials

Date:

Time: 0900-1700
Location:

Contact Person:

Back by popular demand, this three day Learning event, sets-out to teach the basics of modern Fixed Network Design Planning, including Master Planning, Demand Forecasting, Fundamental Planning, Detailed Design concepts for Civil and Cable works, for Fixed, Core and Access Fibre and 'In-building' cable networks.

The course is intended for new Engineers and Technicians who need to grasp the essentials of modern, economic planning of Fixed Networks in the Public and Private environment, to support, Voice, Data and Broadband service offerings.

Course is presented in a practical style with Theory sessions complimented by Practical Exercises and Case Studies.

This course, now in it's fifth public run is one of the Professional Seminar series run by **TELECONSULT**, an InfoCommunications **(**ICT**)** Consulting firm, which specializes in Consulting, Training, Technical Assistance and Project Management**,** in the SE Asia. region.

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About the Course:

The course covers the following topics-

- The need for proper planning when designing a Telecommunications network
- Types of Services and their Bandwidth requirements
- Overview of the Planning and Design process from Desk Plan to Field Survey
- Demand and Section Forecasting
- Fundamental Planning of the Civil and Cable requirements based upon the Demand Forecast
- Choice of Core and Access Network Technology to be employed – Fixed Copper, FTTH, FTTC, FTTB, HFC, CATV, etc., based upon services to be offered
- An overview of Civil Works, Trenching, Duct laying, Manholes, etc.
- Field surveying
- Detailed design of Civil Works requirement
- Duct Bridges and special design works
- Detailed Design of Cable Works requirement
- Overview of Cable works, installing cable in duct, winching, blowing etc.
- 'No-dig' technologies
- Splicing and Testing, Acceptance Testing
- Power Clearances and Parallelism
- Building Entry requirements—MDF, OFDF Frame and Termination requirements
- Wayleaves and Digging Permits
- Advance Detection, Pilot Holes and Trial Excavations etc.
- Grounding and Bonding
- Transmission Calculations and Signalling Resistance
- …….and much more

About the Facilitator:

The Course Facilitator is John Shazell, who has 41 years experience in the Telecommunications Industry, of which 20 years has been spent in Training Engineers and Technicians.

John has worked for British Telecom Plc., Cable & Wireless Plc., International Telecoms Union (ITU) and Ericsson AB.

He is now CEO of the Teleconsult group of companies, which are located in Singapore, Indonesia, Brunei Darussalam, Malaysia and Hongkong SAR.

John has lived in the Middle East for 11 years and worked in SE Asia for the last 20 years.

He therefore brings a wealth of local knowledge and experience into the learning experience, as well as a thorough understanding of the subject being taught.

John is the Vice President of the Association of Telecommunications Industry of Singapore (ATiS) and also a member of the Singapore Infocomms Technology Federation (SITF).

John has trained more than 12,000 persons in the regional Telco's and Private Sector organizations, covering Highways, Power Authorities, Oil / Petro-Chemical plants, new Housing Developments, Ports and Airports and Railway Authorities.