



Murton Consultancy & Design Ltd

SDH and Metro Ethernet Design

Murton Consultancy & Design Ltd is a Telecommunications Consultancy founded by Chris Murton, an experienced telecommunications professional with several major innovations and patents to his credit. Chris's significant contacts within the international telecommunications industry enable Murton Consultancy & Design Ltd to call upon some of the world's top experts in optical and data transmission. Their experience and skills have been gained over many years with leading telecommunications suppliers and carriers.

The Consultancy offers a wide range of services from advice on network design to FPGA implementation. These services will be in the fields of optical transport and data networking, areas in which the team possesses specific and unique talents.

Customer Solutions

- Adding functionality to existing client platforms
- DWDM/SONET/SDH transport (WAN) ports
- Optical ports for Gigabit Ethernet or Fibre Channel data switches
- Optical ports for xDSL platforms
- Adding data and other new capabilities to transport platforms
- Ethernet over SONET/SDH
- Digital Video over SONET/SDH
- ATM over SONET/SDH
- Add new transport technology to test equipment manufacturers
- Generic Framing Procedure
- SONET/SDH Virtual Concatenation

Customer services

- Hardware, ASIC, FPGA and PCB design
- Embedded Software
- Sub-system Integration
- Sub-system testing, both in-house and in customer environment
- Design prototyping, pre-production modelling

Strategic Consultancy Services

- Carried out by individuals or small teams.
- Introducing technology from North America into Europe
- Brand management - support for US products introduced into Europe, market analysis, competitor analysis, bid support, project requirements capture
- Feasibility studies for new product development and introduction
- Network study (topology, economic benefit, new technology introduction, etc)
- Authoring white papers on areas of industry interest on behalf of clients in support of marketing activities.
- Standards representation for smaller organisations.
- Provision of worldwide telecommunications regulatory information
- Bespoke systems and architecture modelling and analysis
- Protocol extension and enhancement
- Inter-working testing and technology demonstration of new transport technologies, e.g. testing that new standard implementations from two vendors interoperate
- Consultancy on industry technology trends

Extended Team Experience - examples

- SONET/SDH Gigabit Ethernet product development
- SDH Multiplexer product development
- TDM multiplexer supporting V5.1 protocol operation on trunk interfaces
- ATM Circuit Emulation product development
- PDH based multiplexer product
- VoDSL concept, prototype and demonstration
- Home gateway demonstration of VoDSL
- GEAPON – Ethernet Passive Optical Network
- Optical Network techno-economic modelling
- Fibre to the Home showcase demonstration suite
- End-to-end IP architecture for residential broadband
- Technology tracking, market watch and consultancy services
- Analysis and recommendation on the applicability and implementation of G.Lite
- VoDSL (Voice over DSL) technology development
- Oftel's (1999) consultative paper on Unbundling of the Local Loop in the UK

Contact

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