

ABOUT TELECONTRAN LIMITED

TELECONTRAN Ltd is an advanced, pioneering and creative research Centre and consulting firm founded by specialized and experienced IT and Telecom professionals expertized in multiple sectors of Telecom and IT industries.

We do have a thorough understanding of the strategic, technological, operational and financial nature in the IT and telecom industry.

We address the challenges that the telecommunications as well as the IT industries faces in their day to day works and we provide necessary support with proper training and consultancy services that any provider requires to thrive in the current environment.

We are proud to announce that our consultants and researchers have successfully completed over 1000 projects for telecom and IT industries globally with excellent feedback.

With a presence in Asia, Africa, Middle East, Oceania etc. TELECONTRAN has a truly global reach.

Our Services

- 🌐 Training and Workshops
- 🌐 Consulting and Advisory
- 🌐 Selling products and licenses
- 🌐 Global Market Research and White Papers

Our prospective clients

Our target clientele includes,

- 🌐 Telecom and ISP services providers, suppliers and vendors.
- 🌐 Government agencies
- 🌐 Telecom regulators
- 🌐 Defense and Military
- 🌐 IT Industry
- 🌐 Oil / Gas Industries
- 🌐 Educational Institutes and Universities

Our Mission

We bring value to the Telecom and IT Industries through our innovative, efficient, neutral and high quality services and cost effective training solutions.

Our Vision

We see Telecontran to be a global leader in Telecom infrastructure solutions and training services.

Our Values

Commitment: We are committed to conduct what we promised to do.

Customer Comes First: Our customers are the nucleus of all our services and our services are adjusted to meet clients' requirements.

Quality: We deliver the highest level of service to all our clients at all times as we are committed to provide consistent quality products and services.

Up to date technology: Our consultants are valued resources with up to date knowledge and experience over the technologies are we are proud to serve our clients with updated knowledge on the technologies.

Teamwork: We encourage continued development of network infrastructure and the individuals through our cohesive and collaborative teamwork

Credibility: Above all, we do what we say with high standard of business ethics and integrity.

Telecontran's Consultancy Services

Being the fastest growing industry in the world, ICT industry is increasingly making it difficult to give an answer about what solution providers need to optimize the network or maximize the profit. Understanding and maintaining the network cost has become a key concern for IT/telecom experts.

Telecontran assists by providing consulting approach with in-depth IT and Telecom expertise to our ICT clients who are facing new business challenges. We support our clients by creating cost effective value proposition and deploy technology for operations optimization. In one word, Telecontran's objective is to not only to lower costs, but also to work with the management teams to increase productivity.

Network Planning and Design

In order to plan and design the network with the highest quality and constructability, it is essential that we know and understand the existing system so that we can engineer and design the most appropriate solution to provide the most cost effecting network. Telecontran takes multiple factors such has network growth, business requirements, subscribers' demand, customers' complain etc. into consideration and assist you to draft the blueprint of the proposed network.

We perform feasibility study on behalf of our client and assist them to make economically sound decision. Our Service includes,

- 🌐 Feasibility Analysis
- 🌐 Network and Physical Design
- 🌐 Strategic Planning
- 🌐 Mobile radio coverage predictions including site selection
- 🌐 Interfacing with IP-centric networks/systems
- 🌐 Digital Microwave Link and Fiber Optics system design
- 🌐 Calculate network coverage and capacity, interference, perform automated cell and frequency planning
- 🌐 Perform network analysis by using Cellular Expert tools for profiling, coverage and visibility

Furthermore, we assist you in the transition towards a secure network that is easy to maintain.

Network Audit and Optimization

Telecontran's consultant is able to do audit in your network and provide you solution for optimizing your network.

Our approach is to evaluate all areas of your voice, video and data communications, provide recommendations that is specific to your situation and requirements, and implement the solution to ensure rapid productivity.

Even though service providers offer the latest technologies with adequate support from the vendors, there is still a need of conducting proper measurement of network performance as well as benchmarking the network. Telecontran's service includes,

-  Drive Testing
-  Network Benchmarking
-  Post processing of Performance Data
-  Radio Network Optimization

Telecom Tower Design and Antenna Installation

A fully functional tower is the key solution for a successful business of ICT services providers. We specialize in identifying the problems in the beginning and with structural analysis and upgrades and foundation inspection, our tower maintenance services can help you avoid bigger repairs down the line.

Telecontran is able to install monopole, flag pole, guy tower, or self supporting tower through our consultants and technicians with a diverse background in the installation of short wave, microwave, AM and FM radio, broadcast and cable TV, cellular, wireless, wind energy and meteorological towers.

Our service includes,

-  Site Acquisition and Ground Inspection
-  Tower and Antenna Installation
-  Testing Transmission Line and Antenna system
-  Tower and ground Maintenance
-  Support for Antenna Safety

We take pride in saying that our resources are well-trained with today's most popular brands of connectors and are equipped with current connecting tools to ensure the installation is done perfectly.

Vendor Sourcing and Management

You need equipment, software for your network and system and you are not sure what you need to install. Or you simply to purchase equipment or rather have the vendor to install and maintain for you.

Please be assured that we will assist you in your vendor selection process. Whether you need to expand, upgrade your existing system or require a completely new system to make an affirmative contribution to your company, Telecontran's consultants will assist you to select the right vendor for you.

We also assist our clients to prepare RFP (Request for Proposal) for bidding a tender and during the process, we pro-actively assist in performing the bid response evaluation in an objective manner especially mindful not to overlook other parameters in the bid response.

Project Management

Telecontran is glad to provide accredited specialists to manage and implement all aspects of ICT projects.

We provide Project Management services through the role of Project Manager, Project Engineer, Construction Team Member, or as Project Coordinator. We can assist you in the following areas

- 🌐 Project requirement analysis
- 🌐 Review of new technology.
- 🌐 RFP Preparation.
- 🌐 Supplier assessment and negotiation
- 🌐 Project management and Implementation.

IT Consultancy

Telecontran delivers IT solutions with high quality when it comes to IT Design, Development, Engineering and Testing. We have a wide range of skills that are available through our short term consultancy service.

We are able to provide skilled It professionals to support consultancy in any of the following areas:

- 🌐 Cloud and Technology Implementation
- 🌐 Managed Cloud Solutions
- 🌐 Network Virtualization
- 🌐 IT System Audit
- 🌐 Full IT System design
- 🌐 Software testing
- 🌐 IP Security and Data Protection

ICT Products Supply and Installation

Through the partnership with leading ICT manufacturers around the world and in association with major ICT distributors and importers, Telecontran identifies and supplies a full range of ICT products, services and solutions to its clients.

We supply ICT products as per following areas but not limited to

- 🌐 Servers
- 🌐 Computers – Desktop, Laptop
- 🌐 Printing Machines – Printer, Scanner, Copier
- 🌐 Cameras – CCTV, IP Camera
- 🌐 Networking accessories – LAN, WiFi, Router, Modem, Switch etc.
- 🌐 Backup and Storage Devices
- 🌐 Multiple Software – Operating System, Antivirus, Accounting etc.
- 🌐 Computer accessories – Mouse, Keyboard, Power Supply, Adapter etc.
- 🌐 Communication devices – IP Phone, VOIP Handsets and accessories, Walkie Talkie etc.

Having a pool of expert technicians, Telecontran is proud to offer multiple services such as installation, maintenance and repairing to its clients.

Telecontran's Training and Workshops

Telecontran Limited is conducting following workshops globally to its clients. These courses are can also be modified and customized based on client's requirement and delivered at client's premises or any place where they need it to be conducted.

Basic Telecommunication and Regulatory Compliance

- 🌐 Refreshing Telecommunications Fundamentals
- 🌐 Modern Telecommunications and Cellular Networking Bootcamp
- 🌐 Modern and Next Generation Cellular, Broadband and Satellite Communication System
- 🌐 Workshop on 3GPP Mobile Network Technology
- 🌐 Telecom Overview, Telecom Regulations and Tariff Fundamentals
- 🌐 EMF Radiation, Safety and Regulation Workshop
- 🌐 Telecommunication Strategic Regulatory Compliance Workshop
- 🌐 Radio Spectrum Policy and Strategic Regulation
- 🌐 Workshop on GSM Technology
- 🌐 3G Fundamental Workshop
- 🌐 GIS Workshop for Telecom Industry

LTE / 4G Technologies

- 🌐 LTE Fundamental Workshop
- 🌐 LTE, 4G and 4.5G Network Architecture and System Engineering
- 🌐 3G / LTE Cell Planning and Analysis Workshop
- 🌐 4G Network Planning and Performance Management

5G and IoT Technologies

- 🌐 LTE / 4G Towards 5G Technology Workshop
- 🌐 Workshop on 5G Technology
- 🌐 Workshop on 5G Overview and Commercial
- 🌐 Workshop on Internet of Things (IoT)
- 🌐 Internet of Things (IoT): A Hands on Workshop
- 🌐 Modern Telecommunication and Development towards 5th Generation Mobile Network
- 🌐 5G and IoT Network design, Planning and Applications
- 🌐 5G New Radio (NR) Design and Planning
- 🌐 5G Core (5GC) Network
- 🌐 Overview of 5G Network Security

Network Planning and Optimization

- 🌐 WiFi Wireless Technology Network Design and Implementation
- 🌐 Mobile RF and TEMS Investigation
- 🌐 Mobile RF and TEMS Discovery
- 🌐 Radio Frequency Planning and Spectrum Management Workshop
- 🌐 Radio Network Planning and Optimization in 3G / 4G and 5G Network
- 🌐 Network Capacity Planning and Forecasting Workshop

Transmission Technologies

- 🌐 Overview of Transmission Technology: Cable and Wireless
- 🌐 4G Microwave Transmission Planning and Optimization
- 🌐 Workshop on Pathloss 5
- 🌐 Microwave Transmission Planning using Pathloss 5

- 5G mmWave Transmission Planning Workshop
- Wireline Cable Transmission Workshop: Copper Cable and Fiber Optics
- Workshop on Fiber Optics
- Optical Communications and Systems Workshop
- Workshop on GPON / FTTx
- Workshop on GPON / FTTx and Its Design and Dimensioning
- Optical Transport Network (OTN) Workshop
- Advance DWDM / OTN Workshop
- Workshop on MPLS/IP Traffic Engineering and Carrier Ethernet Services

Satellite Communications

- VSAT / Satellite Network Engineering Workshop
- Advanced Satellite Network Engineering Workshop
- Aeronautical and Maritime Communication
- Satellite Based IOT Network Applications Workshop

IP Technologies

- IP Networking for ICT Professionals
- IP Switching and Routing Workshop
- IP Security Workshop
- IPv6 Workshop
- IPv6 Security Workshop
- Advance IP Radio Planning Workshop
- Workshop on Network and Cyber Security

Core Network and IN/VAS Workshops

- Workshop on SS7 and SIGTRAN
- VOIP / SBC and Softswitch Workshop
- VoIP / SIP Towards VoLTE / VoWiFi Workshop
- Workshop on Roaming and International Voice Traffic
- Workshop on International Roaming with Commercial and Technical Coordination
- Workshop on International Roaming with IREG and TADIG Testing

Tower Construction and Power Sector

- Telecommunications Tower Operations and Maintenance Workshop
- Telecommunication Tower Infrastructure Sharing Workshop
- Telecommunication Tower Installation, Rigging, Safety and Maintenance
- Operations and Maintenance of Telecommunication Power System
- Green Energy for Telecommunication Sectors
- Energy systems and power efficiency for data centers

IT and Operating System Application

- Training on ITIL 4 Foundation
- Industry 4.0 Workshop
- Hands on Workshop on Web Applications Development Framework
- LINUX Fundamentals and System Administration
- OpenBTS Workshop
- Workshop on Big Data Analytics
- Bitcoin / Blockchain Workshop

Data Centre and Cloud Infrastructure

- 🌐 Cloud Computing Fundamentals
- 🌐 Data Centre Infrastructure
- 🌐 Data Centre Setup, Operations and Maintenance Workshop
- 🌐 Data Center Virtualization and Cloud Infrastructure
- 🌐 Fundamentals of Software Defined Network (SDN) and Network Function Virtualization (NFV)

Process Control and Automation Engineering

- 🌐 Workshop on Supervisory Control and Data Acquisition (SCADA)
- 🌐 Introduction to Remote Terminal Unit (RTU)
- 🌐 ACE RTU Ladder Programming Workshop
- 🌐 ACE3600 Basic and Advanced Ladder Programming Workshop
- 🌐 Advanced ACE3600 Ladder Programming Workshop

Business Management and Innovation

- 🌐 Project Management in Telecom and ICT Industry
- 🌐 Workshop on Business Ethics for Senior Executives of Telecom Industry
- 🌐 Workshop on Digital and Social Media Marketing for Telecom Industry
- 🌐 Telecommunications Risk Management Workshop
- 🌐 Revenue Assurance Workshop
- 🌐 Fraud Management Workshop
- 🌐 Telecom Operator Contact Centre Operations and Management Workshop
- 🌐 Workshop on Smart CAPEX Network Rollout
- 🌐 Business Innovation through Artificial Intelligence (BIAI) and IOT
- 🌐 Innovation of Business Models and Transformation Workshop
- 🌐 Demand Management and Planning Workshop
- 🌐 Workshop on Six Sigma Black Belt
- 🌐 Workshop on PRINCE2 Agile Foundation and Practitioner

ONLINE Training Sessions

- 🌐 Online Introductory Training on Modern Telecommunications Fundamentals
- 🌐 Online Training on Overview of LTE, 4G towards 5G Technology
- 🌐 Online Introduction to Transmission Technologies: Copper, Fiber and Microwave

Turnkey Projects by Telecontran's Consultants

Various Consultancy projects for UNN Brunei – Telecontran's consultants supported various teams of Unified National Networks (UNN) in assessing the needs of telecommunications and proposing solutions based on latest technologies and trends in Telecommunications Industry. Telecontran assisted UNN's technical team in understanding 5G modern telecommunication, its development to the user end, 5G Call flow and rollout as well as understanding of International Roaming along with its business opportunities and its involvement in 5G Technologies. Telecontran also conducted various workshops for UNN, such as Telecommunications Strategic Regulatory Compliance, Data Centre Infrastructure, Network Capacity Planning and Forecasting and Innovation of Business Model and Transformation.

Training and Consulting services for Telecommunication Regulatory Authority (TRA) Oman – Telecontran conducted Telecom training and Consultancy services to the Competition, Satellite Monitoring and Cost Management departments by providing workshops on Telecom Strategic

Regulatory Compliance, VSAT / Satellite Network Engineering and Big Data Analytics workshops followed by assisting in addressing latest trends in Big Data, AI and building capacity regarding topical regulatory issues and best practices.

Supporting Roaming Team, Transmission Team of Tonga Communications Corporation (TCC) – Telecontran’s consultant conducted training and Consultancy services to the International roaming department of TCC as well as the CTO of TCC by providing a 5 day workshop on Roaming and International Voice Traffic Analysis followed by assisting the team in analyzing the roaming partners and roaming traces. At the same time Telecontran assisted in auditing and training the copper cable network and fiber optic network of TCC.

Training and Consulting services for Bhutan Telecom –Telecontran conducted Telecom training and Consultancy services to the International roaming department of Bhutan Telecom by providing a 5 day workshop on Roaming and International Voice Traffic Analysis followed by assisting the team in analyzing the roaming partners and roaming traces. At the same time, Telecontran assisted the RF Planning team on selecting the vendor for 4G/LTE and the network design and development. Our consultant was also involved in a measurement campaigns and system evaluations of 3G & 4G wireless systems of Bhutan Telecom.

Supporting Transmission Team of Telekom Networks Malawi – Telecontran’s transmission expert supported the transmission department of TNM by providing 2 consecutive workshops on Pathloss 5 and Fiber Optics Basic followed by assisting the team in how to use the PL5 software along with necessary support. We also consulted for planning and designing the Microwave and Fiber Optic Backbone network.

Various Consultancy projects for Telecommunications team of Shell Brunei – Telecontran’s consultants supported various teams of Shell Brunei in assessing the needs of telecommunications, developing Microwave/Fiber Optics based transmission network feasibility and proposed solutions based on latest technologies and trends in Telecommunications Industry. Telecontran also conducted workshop on Modern Telecommunications and guided the team about modern and future ICT trends. Our consultant also supported by providing a feasibility study on how 3G/4G network can be used in oil/gas industry.

Info-Communications Media Development Authority (IMDA) of Singapore – Telecontran conducted training on Refreshing Telecommunications Fundamentals to internal departments of IMDA and assisted in selecting frequency ranges for modern and new telecom technologies specially 5G and IOT.

Various Consultancy projects for Solomon Telekom (Our Telekom) – Telecontran’s consultants supported various teams of Solomon Telekom, from roaming, broadcasting, technical department to finance and marketing team in assessing the needs of telecommunications and proposing solutions based on latest technologies and trends in Telecommunications Industry. Telecontran conducted training and Consultancy services to the International roaming (Finance, marketing and technical) teams. On a separate project on Big Data Analytics, our consultant assisted the Product, Marketing, Financial Development, Billing and Revenue Assurance teams in organizing, analyzing and interpreting large, huge data, reconciling customer invoice records, investigating any discrepancies and responding to the disputes from the customers. Telecontran’s consultant also guided them in 5G and IoT Network Planning and Designing in their network through a workshop on 5G and IoT Network Design, Planning and Implementation.

Supporting Roaming Team of Ooredoo Oman – Telecontran conducted training and Consultancy services to the International roaming (both marketing and technical) teams of Ooredoo Oman by providing a 5 day workshop on Roaming and International Voice Traffic Analysis followed by assisting the team in analyzing the roaming partners and roaming traces.

DST Communications of Brunei – Conducted training on Modern ICT to a group of Technical staff members and guided them about Modern and future ICT trends and how to handle IOT demands from subscribers. On a separate project Telecontran assisted the Roaming team in analyzing the International Voice traffic and call flows in 3G and LTE Network.

Various projects for Authority for Info-Communications Technology Industry (AITI) of Brunei Darussalam – Telecontran’s consultants supported various teams of AITI in assessing the needs of telecommunications, developing Microwave/Fiber Optics based transmission network feasibility and proposed solutions based on latest technologies and guided on VSAT / Satellite based communication link regulation and link budget analysis. Telecontran also conducted workshops on Tower Operation and Maintenance and guided the team with ITU guidelines on tower installation and maintenance.

Various projects for Office of the Government Chief Information Officer (OGCIO) Vanuatu – Telecontran’s consultants supported various teams of OGCIO in assessing the needs of Power requirement, Tower Operations and Maintenance as well as Data centre operation and management.

Digicel Group – Telecontran conducted workshop on Tower Operation and Maintenance and guided the team with ITU guidelines on tower installation and maintenance. Telecontran also conducted workshops on VSAT Satellite Network Engineering to the transmission departments of Digicel Group’s different counterparts such as, Fiji, Nauru, Samoa, Vanuatu and Tonga. On a separate project, Telecontran’s consultant assisted Digicel’ Nauru’s technical team in understanding 5G modern telecommunication and its development to the user end.

BATELCO (Bahrain Telecommunication Company) – Conducted training on Overview on 4G towards 5G Technology and guided the team on 5G Infrastructure and management. Telecontran’s Data Centre special consultant assisted BATELCO’s technical team in Data center design, operations & maintenance including infrastructure services as well as how to operate and manage enterprise IT environments Database. Telecontran’s consultant also supported in assessing the needs of Power requirement, Tower Operations and Maintenance.

Assisting Roaming Team of Bluesky American Samoa – Telecontran conducted training and Consultancy services to the International roaming teams of Bluesky American Samoa by providing a 3 day workshop on Roaming with Commercial and Technical Coordination followed by assisting the team in analyzing the roaming traces.

CellCard (CamGSM Co Ltd.) – Conducted training on Overview on 4G towards 5G Technology and guided the team on 5G Infrastructure and management. At the same time, assisted them in vendor selection for product and other supports.

TelBru – Delivered training on Modern Telecommunications to project management team and assisted them in vendor selection for product and other supports.

Tenaga Nasional Berhad – Conducted training on Refreshing Telecommunications Fundamentals to Process and Control Engineering team and guided on how to use RTU and SCADA in their existing network.

Jawwal, Palestine Telecommunications Company – Delivered training on Modern Telecommunications to project management team and assisted them in vendor selection for product and other supports.

BdREN (Bangladesh Research and Education Network) – Developed an inhouse ERP Management system for BdREN as well as the whole web site (<https://www.bdren.net.bd>).

CONTACT US

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