

TNI SYSTEMS

Corporate Presentation



Introduction

TNI is a reliable partner providing innovative professional Information Technology and Telecom services to the Middle East & African regions. We offer customized wireless voice and data turnkey services and solutions that range from consultancy to complete outsourcing, including planning, design, optimization and operation management.



Company Profile Overview



1. Headquarters located in Istanbul. Regional Offices in Adana, Ankara, İzmir.

- Headquarter Address: Buyukdere cad. No:237 Noramin Is Merkezi B-2 O-2, Maslak, Sisli, Istanbul
Turkey
- Azerbaijan Adress: U. Hacibeyov Kuc. 24, AZ-1000, Baku, Azerbaijan

2. Teams of :

- 32 Junior/Senior Network Planing & Optimization engineers for existing planning & optimization projects.
(Including dedication to Indoor Solution Projects)
- 5 Senior (Network) RF/TRS Project Managers
- 3 (Network) Construction Project Managers with outsource Technicians
- 7 mobilized 2G/3G teams for "Site Auditing and Acceptance Project "
- 2 Project Managers for "Site Auditing and Acceptance Project "
- 3 Senior IT Project Managers.



Company Profile Overview



4. Company Assets (Radio Planning Part)

- RF-VU Indoor Planning / Simulation Tools
- RF-VU propagation & propagation tuning Tool
- TEMS Cell Planning & Optimisation (TCP) Simulation Tool (1 master server)
- GSM/DCS/UMTS Band Scanners (Anritsu, PCTEL)
- Asset 6.0 Cell Planning & Optimization Simulation Tool (1 master server / 7 clients)
- ACTIX Analyzer for 2G / 3G / GPRS / EDGE / HSXPA optimization and reporting
- TEMS drive test tools with accessories (13 sets of Minimum conf. TEMS 8.0.0)
- "BLUE" RF Optimization Tool (developed inhouse & further information available)
- Map Info licences
- Digital Maps

Best in class tools with fast adoptability of test equipments according to the needs of projects...



Network Planning Solutions

TNI will design your network with optimal efficiency and cost effectiveness, drawing on deep industry know-how, extensive technical expertise and world-class equipment.

Network Planning Services

Nominal RF / Cell Planning

Drive Tests, Benchmarking & Reports

RF Site Surveys

Nominal Transmission Backhaul Planning (ABIS, ATER)

RF Parameter Planning

Nominal MW Planning

RF Network Transition and/or Extension Planning

Frequency Planning for MW Networks

Traffic Modeling

Line Of Sight "LOS" check



Network Optimization

Network quality and performance are everything to operators in today's highly competitive marketplace. To be a leader and maintain customer loyalty you need to deliver faultless service. With our highly advanced optimization tools and techniques, we can help you stand out from the competition.

Network Optimization Services

Dropped call reduction

KPI monitoring

Frequency re-tuning and interference analysis

Optimization of carriers

Spectrum analysis & optimization for new emerging technologies

Data services optimization

Single cell functionality tests

Network audits

Cluster optimization

Network benchmarking and drive testing

Overall Network performance optimization

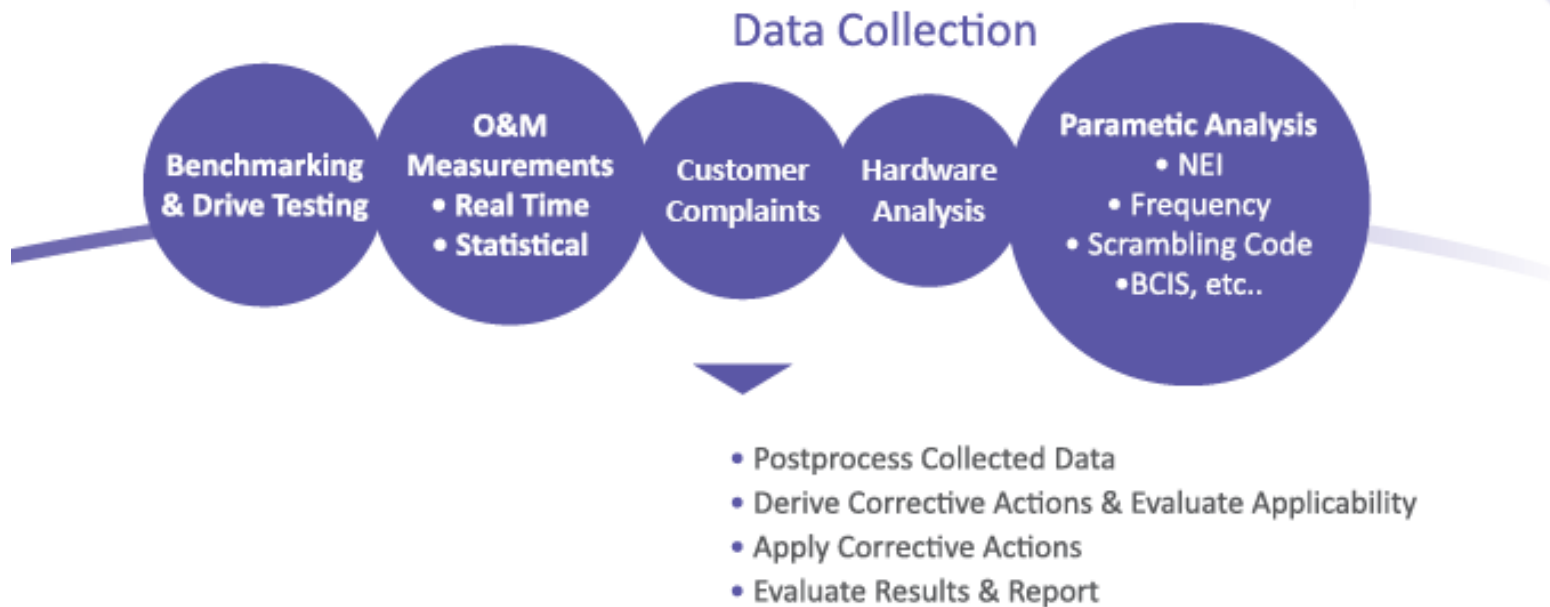
Process & procedure analysis

Traffic monitoring

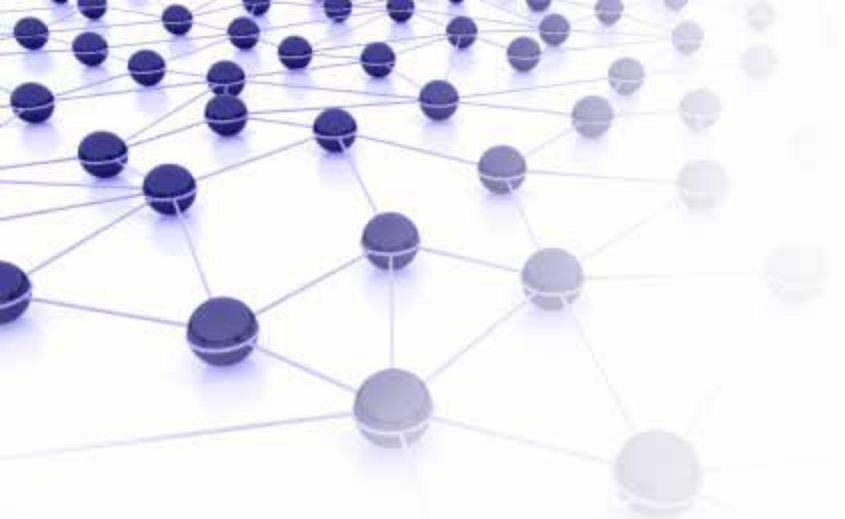
Documentation and report management



Network Optimization



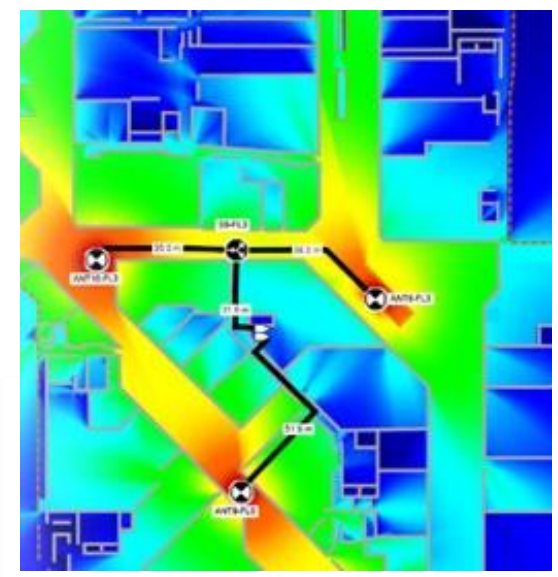
**Reliable Methodology on Optimization
Services ...**



Indoor Coverage Solutions

Whatever the scale of indoor coverage you are seeking, we combine worldclass products with proficient and cost effective solutions to ensure your satisfaction. From home or office space, to high rise buildings and large climate controlled environments, we can design and implement the most efficient system to meet your needs.

Our suite of products ranges from indoor RF repeaters, femto or pico solutions for smaller coverage areas to entire DAS (Distributed Antenna System) product lines for larger coverage areas. At every step of the process, TNI Systems dedicates its expertise to the end goal of an optimized network.



Managed Services

We understand that operators are increasingly under pressure to drive revenue and profitability. Our managed services are designed to relieve you from the management of your network, IT resources and day-to-day activities, thus freeing your time and resources to focus on the essentials.

With TNI's managed services your business will reap not only the benefits of greater time and resources, but also reduced costs, enhanced service quality, and swifter time-to-market. We tailor our services to match your precise needs, while ensuring we provide efficiency and value. From planning and design to network deployment and day-to-day management, we deliver faultless quality and value.



Consultancy & Project Management



With our proven industry strengths in the design, building, and operation of wireless networks, we represent the ideal partner for your company's consulting needs. We offer insight and solutions on diverse business issues such as technology strategy, network, IT and VAS planning. Our technology professionals will work with you to deliver a tailor-made analysis that responds to your specific needs, free of any vendor bias.

TNI's accredited project managers employ their expertise to implement TNI solutions so that your time and budget expectations are met. In addition, TNI project management services can be utilized to successfully manage your own projects, ensuring faultless performance from beginning to end.



Operations & Maintenance

Assign all your day-to-day operational and maintenance needs to the professionals with TNI's highly trained field teams.

Field Operations & Maintenance Services

▶ BTS, BSC, Transmission Systems

▶ Electronic Maintenance

▶ Tower Maintenance

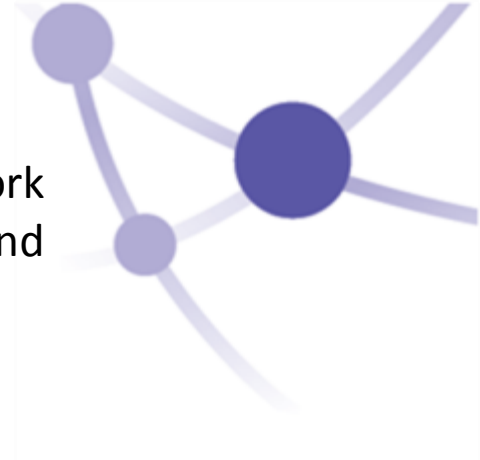
▶ Alarm Handling & TroubleShooting

▶ Energy Systems (HV & MV)

▶ Battery Replacement

▶ Repair / Return & Spare Part Management





Network Deployment

Leveraging our strong, technical expertise, we can build your network infrastructure and manage its deployment to meet your quality and schedule requirements.

Network Deployment Services

- Site Surveys
- Testing and commissioning
- Infrastructure/Construction works
- Grounding installations
- New BSC/BTS installations & BSC/BTS swap activities
- Lightning arrester system installations
- Tower installations
- Energy plants
- Antenna, cabinet, TRX and link installations
- EMF measuring activities

Network Deployment Support Services

- Site Quality Audits
- Site Acceptance
- RF Audit
- Site Inventory Checks
- Transmission Audit



References



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