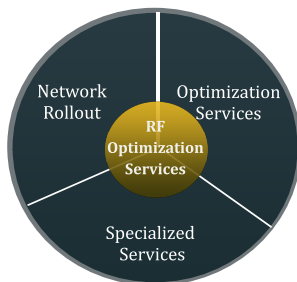


Turnotech is a fast growing information and communication technology company. We focus on communication solutions, network deployment and management services, telecom-related energy solutions and communication related software development services. Our value proposition is attractive to customers since we provide turnkey services. Turnotech has defined efficient processes to optimize a wireless network, hence maintaining high quality of service within given financial constraints.

Network Optimization Services comprise of various network improvement processes where coverage, capacity and quality metrics are sustained during different stages of network maturity. Low ARPU in South-Asia necessitates cost-effective RF Consulting Services. Our team comprises of competent RF Consultants -suitable to work in any capacity in a given project.



## Network Rollout - Optimization Services

Turnotech can provide experts and tools for fulfilling the following:

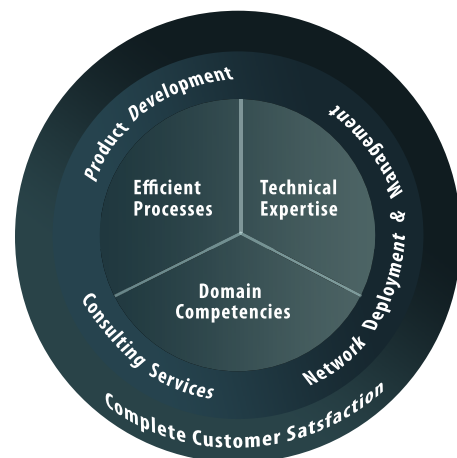
- ⊙ Devising new KPIs
- ⊙ Site Integration Drive Test
- ⊙ KPI Analysis and Management according to SLA
- ⊙ Problem Resolution and Verification Drive Test
- ⊙ Cluster Approval Drive Test
- ⊙ BSC Rerouting / Performance Monitoring:
  - Handover Testing (Inter BSC, Inter MSC)
  - LAC Update Testing
  - SMS, GPRS, Call Setup Testing
- ⊙ Swap Optimization including:
  - Compatibility Analysis and Design
  - Integration Process
  - KPI Harmonization

## Optimization Services

Our Optimization Services can be customized to suit your network needs. Scope of the project can be planned according to different stages of network development from the initial launching of sites to expansion stage to operational stage -maximizing returns from the infrastructure.

We can provide following services:

- ⊙ Post launch Cluster Drive Test  
Interference Identification and Removal via
- ⊙ Spectrum Analyzer  
GPRS/EDGE throughput optimization for hotspot areas (airports, hotels)
- ⊙ Micro layer planning optimization
- ⊙ Site Audits and Health Check  
KPI Monitoring and KPI based optimization as per client's requirement
- ⊙ QoS Testing - including Benchmarking
- ⊙ Performance, Fault and Configuration Management  
Customer Complaints handling for various customer types (corporate, domestic, commercial) and for various technology platforms (2G, 3G, Evdo, WiMax, International Roaming Subscribers)



Turnotech Operational Framework

## Fact Box

Work Location	Middle-East, South-Asia
Focus	Turnkey & Independent Services GSM, CDMA, UMTS, WiMax
Tools	RF Planning (ATDI, CelPlan, ATOLL, IBWave, ASSET) RF Drive Testing (TEMS, NEMO, Couei, Dingli) Post Processing (Actix, Xceed, DIngli, Couei) Model Tuning Equipment RF Scanning Indoor and Autonomous Drive Testing

## Specialized Services

Turnotech's out-of-box thinking extrapolates services to non-routine tasks as well. Over the years we have developed some unique expertise in service provision.

We can provide following specialized services:

- ⊙ Tools Development / Support
- ⊙ Autonomous Data Collection
- ⊙ Automated Cell Planning
- ⊙ Automated Frequency Planning
- ⊙ Network Redesign (Sitesharing, etc)
- ⊙ 2G, 3G Network co-existence
- ⊙ Automation for optimization processes

## Steps to Success

