

Engineering Services

HIGHLIGHTS

- RF experience in GSM/GPRS, CDMA IS-95, CDMA 1XTT, IS-136, UMTS, AMPS and 802.11x standards
- Project and vendor management experience in Ericsson, Nokia, Nortel, Lucent and Siemens network systems
- Fixed WiFi/802.11, mobile WiMAX 802.16e, Long Term Evolution (LTE) technology
- Advanced technology experience in MSC/BSC SS7, UMTS, E911, GPRS, AMR and EDGE.
- Experience with OptPCS, planning tools, drive test collection tools, OSS tools and statistical tools.



The network is the core of your business. How do you take full advantage of that network to provide the optimum level of service at the lowest cost possible? Knowledge unlocks the full potential of your systems. Finding the right people with that knowledge is a challenge in this industry today, however, you can rely on a reputable source to find the right people is possible.

The right source for the right people

Telecom Technology services is headed by one of the leading industry experts in the field. Our leadership has been critical to forming a world-class knowledge hub for our clients to find the right people to unlock the full potential of their networks.

Most of TTS involvement in the industry has been in network planning and build-out, expansion, optimization, operations, corporate business management and operations, and advanced wireless technology.

Our engineers and project managers come from various wireless markets in Europe, Asia, Africa, and the Americas. Its our global exposure to various system implementations, issues and resolutions, practices that made us a complete and innovative leader in consulting services.

But our greatest strength is the cooperative work ethic we share with our clients. Our people seamlessly integrate with the resident teams and quickly provide value-add knowledge-base services and transfer of skills to enhance and improve the professional quality of the entire team.

RF engineering services

We provide engineers with multi-market, multi-technology experience in the areas of wireless network planning, design, build-out, optimization and prediction tool model tuning.

Our engineers are quick to integrate into market-related processes, coordination of site acquisition, zoning, construction, and equipment installation. In addition, provide services in post-launch work such as testing and acceptance, optimization, training and process development.

- Experience with GSM/GPRS, CDMA IS-95, CDMA 1XTT, IS-136, UMTS, EVDO, WiMAX and iDEN, AMPS and 802.11x standards
- Experience with planning tools, PlaNet™, Odyssey™, and Asset
- Experience with optimization tools, OptPCS.

- Experience with data collection tools, TEMS™ Investigation, TEMS™ Classic, Nokia TOMS, Invex3G, DTI Scanner, Xtel, and Agilent as well as other vendors' drive data collection tools.
- Experience with vendor tools provided by Ericsson, Nortel, Nokia, Lucent, Siemens.
- Experience with statistical tools, Metrica™, Watchmark™, as well as other vendors.

Project and vendor management services

TTS professional managers have worked with wireless operators from engineering to vendor management to business development. The areas we facilitate often require extensive project management experience as well as in-depth technical knowledge of wireless networks.



Our greatest strength is overcoming challenges in the areas of complex heterogeneous wireless systems and relationships between operators, vendors, engineers and regulatory agencies.

- Experience in network carrier-vendor relationship management for Ericsson, Nokia, Nortel, Lucent and Siemens.
- Manage network carrier-vendor product specifications, regression testing, FOA testing, trials and release schedules.

Broadband Services

TTS offers consulting and engineering services to clients that have an interest in deploying Broadband Wireless Access (BWA) in fixed WiFi/802.11 and mobile WiMAX 802.16e as well as Long Term Evolution (LTE) technology. Our experience in planning, designing and deploying wireless networks on a national basis gives us the ability to understand the physical environment along with its challenges and assemble the right team to deliver innovation and spend of implementation.



- Technology assessments and Vendor evaluations
- Proposal preparations and review of RFI/RFQ/RFP
- Experience with planning tools including EDX, Planet EV, CelPlan and Motorola Enterprise Planner
- Experience with CW test gear for WiMAX, CelSignal and Berkley's Gator WiMax System – 2.5Ghz



Turn-key project services

TTS have developed highly skilled teams to provide clients with the option of executing projects quickly and efficiently. Our teams comprise of seasoned managers, engineers and technicians working together to meet the goals and objectives of our client projects.

- Spectrum efficiency analysis
- Benchmarking
- Model tuning
- Network optimization

Advanced technology services

TTS advanced technology engineers bring a full scale knowledge base in niche parts of the network. These individuals are highly specialized and experts in their field.

- Core network elements MSC/BSC, SS7 and IN, and data application planning and engineering.
- E911 systems planning and engineering
- GPRS, AMR and EDGE testing
- High capacity network planning
- Antenna system testing and smart antenna lab testing.
- Research and development of emerging standards.



Software systems integration services

TTS is the only services provider in the wireless industry that leverages its world-class software division. TTS has assisted operators access and integrate their complex network systems to build effective applications for their engineers.

- OptPCS optimization tool integrates planning, switch, drive test and statistical data for analysis.
- Drive test import/export file creation tools
- Multi-vendor configuration management
- Web-based reporting systems

Our mission is for your entire department to be a world class leader in the wireless engineering field in areas of expert knowledge, efficient network engineering practices and responsive customer service.

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