

Company Profile

Neonworx Communications (Thailand) Co., Ltd.

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1. Introduction & Company Objectives

neonworx communications focuses on the wireless communications infrastructure market. Our prime objective is to serve our Customer needs with a range of quality, cost competitive solutions, delivered on time and on budget. Our target markets include Thailand, South East Asia, and Africa.

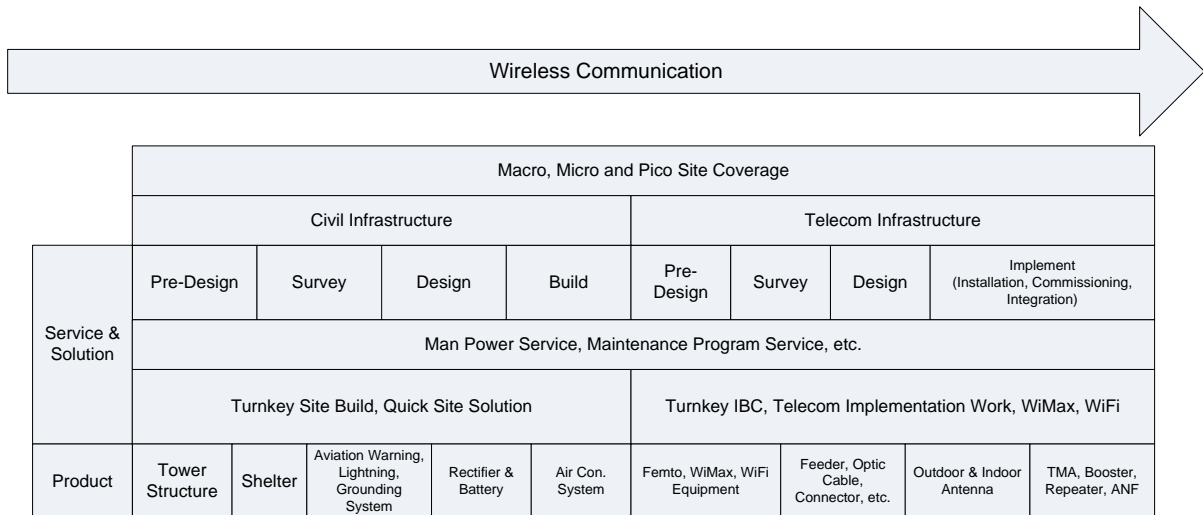
neonworx communications is a technology leading service provider and product supplier that offers superior performance for communication infrastructure solutions under challenging local, regional and global environments.

neonworx communications can provide turnkey products and services, quick site solutions, site solutions, in building network solutions both passive and active DAS, femto network solutions, telecom implementation service and turnkey network maintenance programs.

neonworx communications is also a human resource provisioning service, as well as supplying structural analysis checks, civil engineering projects, telecom implementation service and network preventive & corrective maintenance.

neonworx communications can supply tower structures, equipment shelters and RF Products.

2. Solution Overview



3. Service & Solutions

neonworx offers a full range of solutions to communication providers and are committed in continually developing unique products for particular applications and therefore enhance communication provider's offerings to their end customers.

The development of solutions involves continual product development either in-house or with our business partners. The range of products offered by neonworx extensively covers the requirements of network build, however if you are looking for a more specific requirements then feel free to contact us.

Coupled with product development is the enhancement of services by our experienced management team ensuring that quality and commitments to our customers are delivered on time and on budget. Being able to meet the highest levels of service can only be achieved through well defined processes and adaptive management techniques, something which the senior management of neonworx instills throughout the organisation.

Network Build Solutions cover the main requirements of traditional network build. Network Solutions cover some more specific network requirements and other areas of technology. Below are example solutions of neonworx capabilities.

- Turnkey site build of network expansion project
- Quick site preparation solution
- Site improvement solution
- In building network solution
- Femto network solution
- Turnkey network maintenance program
- Human resource provisioning service
- Structural analysis service
- Civil engineering work service
- Telecom implementation service
- Network preventive & corrective maintenance service

4. Network Build

Network Build solutions cover the main requirements of traditional network build and are split into three main key areas Pre-Build, Build and Post Build.

4.1 Pre-Build

Ensuring success of infrastructure roll-outs requires getting things correct from day one. neonworx offer a range of Pre-Build solutions to ensure that your roll-out has the best start possible.

4.1.1 Site Acquisition and Planning Services

Key to network deployment involves the acquisition of the best sites possible. neonworx is able to provide project management services to process site selection, acquisition and provide knowledge and guidance with reference to statutory and planning approval requirements in our selective markets.

4.1.2 Engineering Services

neonworx has a strong engineering background hence being able to offer a wide range of engineering services to derive solutions for your environment. These services include Structural Analysis, Bespoke Solutions, Structural Upgrading, Site Co-Sharing Solutions, Drawing Packages tailored specifically to customer requirements. neonworx is able to provide a range of structures (self supporting towers, guyed masts, monopoles, rooftop solutions) to support various loadings in various environments. neonworx can further complement its detailed structural knowledge by undertaking field surveys.

4.1.3 Power Management Services

Power management services involve selecting the correct solution depending on what part of the world you are deploying your network. The use of AC/DC, generators, solar systems either as primary or back-up and the design of internal electrical systems in the correct configuration ensure the end customer receives the service as expected.

4.2 Build

neonworx offers a comprehensive range services key to a successful network roll-out. Our knowledge of the various elements is second to none and includes the following services:

Core to any roll-out are Civils Works, Tower Erection, Equipment Installation and Rigging, Testing & Commissioning. neonworx is experienced in these key elements with the ability to perform these works on a turnkey basis. With local civil construction partners neonworx can implement all the necessary civil requirements of site build. Tower erection works demand a high level of experience and safety; again neonworx has very capable teams and supervisors ensuring smooth implementation. Vendor equipment installation coupled with testing & commissioning again demand experienced teams and knowledgeable supervisors. Our rigging teams are experienced with all the differing implementation methods employed around the globe. neonworx teams are experienced in the various vendor processes and the requirements of various technologies.

To ensure the core functions are implemented effectively then various key support functions are required. neonworx ensures smooth implementation by having three very strong and integrated management functions: **Project Management, Procurement, Warehousing and Logistics**. neonworx has a strong project management team whom have a wealth of experience with the telecom industry sector backed up with well proven processes. Careful procurement with the emphasis on quality, price and suitability through our established supply chain network ensures we are able to provide a range of solutions to meet all requirements. Finally, linking these functions together is warehousing and logistics and again this element can be configured to suit roll-out requirements.

4.3 Post-Build

Once a roll-out phase has been completed neonworx still provides services from site maintenance (corrective and preventive) through to more specialised services such as tower remedial works, site collocation upgrade analysis, and IBC antenna system upgrade for 3G compatibility.

5. In-Building Solutions

In-Building solutions are an important requirement in today's mobile phone networks; data rather than voice. Providing solutions for high rise buildings, shopping centres, hotels, large multi-storey car parks aim to provide consistency in coverage and capacity. neonworx offer a complete turnkey service from planning, survey & design, installation through to commissioning and a complete range of system components supporting all options.

There are a number of solutions to such sites, depending on the service provider's requirements and the nature of the particular environment. The more common approach involves adopting a Passive Distributed Antenna System (utilises coaxial cable and other passive components). An Active Distributed Antenna System can also be designed and supplied as well as a Hybrid approach utilizing both designs.

6. Telecom Implementation Work (Macro Site)

The preparation of existing network for 3G & LTE compatible is one approach of operators in implementation 3G & LTE technology. neonworx has available teams for work such as swap(BTS/NodeB) , decommissioning and commissioning, software upgrade, component upgrade and re-utilization. The skillful staff's has long been experienced with BTS/NodeB from well known manufacturers like Nokia, Ericsson, Motorola, Alcatel, Huawei, etc.

The telecom implementation of macro site such as BTS/NodeB installation, Rectifier & DC power system, outdoor feeder/optic cable installation including RRU,TMA, repeater and antenna installation is basically required. neonworx has experienced teams that can provide these services covers nationwide of site location.

7. Preventive & Corrective Maintenance Service

neonworx is able to provide a full range of PMCM services. We have dedicated in country teams fully qualified on a range of vendor equipment types from BTS to MSC level.

7.1 Preventive Maintenance

neonworx also provides a full range of preventative maintenance. Our in house preventive maintenance teams work alongside our corrective maintenance teams. Again we can provide any range of service level agreement required from monthly, quarterly or annual visits.

7.2 Corrective Maintenance

neonworx has a dedicated team of corrective maintenance engineers. They provide a 24/7 response capability and are able to provide fault rectification on all major site subsystems including the radio network, transmission, air conditioning, power and site infrastructure. We can provide coverage for any service level agreement required and are happy to work to KPI payments based around minimum / maximum call out times. Our in house teams can be deployed across any region and we can provide either regional or nationwide maintenance coverage.

7.3 Passive Inter-Modulation (PIM) Test Service

With PIM portable test Unit, neonworx has team to verify quality of antenna system start at the front of BTS through feeder cable system (jumper, terminator, combiner, TMA, MCPA, repeater, etc.) up until the antenna at the top of tower. Lower PIM in antenna system will reduce drop call and bring to better quality of signal.

This verification check can be implemented with existing site for quality check as a standard process for preventive & corrective maintenance, or implemented with new site as a standard of site acceptance test process.

8. Products

neonworx has a very diverse range of products covering major elements of network build. Detailed below are the main product categories which within each group we have an extensive range of options to meet your requirements.

Greenfield and rooftop structures – A range of solutions exist that are easily adaptable to your loading conditions and environment.

Cellular Antennas – Whether it be vertically polarized or cross polarized, single band or multi band, 820MHz to 2.5GHz neonworx has a solution.

Small Cells (Femto Solutions) – neonworx can provide the most well known in small cell current market that is ipaccess, who deliver small cell products and integrated solutions to over 100 major customers in more than 50 countries.

In-Building Components – Antennas, splitters, couplers are just some of the high quality products within our In-Building range.

TMA's/ MCPA / Repeaters and Boosters /Filters / Passive Inter-Modulation Portable test set (PIM) test set – neonworx can provide advice and solutions covering the use of such products and how they play an important part within your network.

Equipment Shelters – neonworx is able to provide shelters on a turnkey basis – please review Partnerships for more information.

9. Company Location



10. Organisation Chart