

TASHKOO

TASHKOO Limited

YOUR RELIABLE CONTRACTOR FOR
Design, Integrate, Supply, Installation, Commissioning, Maintenance and
Training of:

NON DIRECTIONAL BEACON



We supply and install the world most ruggedize and reliable Non Directional Beacon (NDB) systems for both land operations and offshore installations

www.tashkoo.com

Offshore Installation

TASHKOO offers a complete system solution from planning and surveying to installation and maintenance. Thanks to our worldwide reputation for reliability and customer satisfaction, the customer can relax concerning the technical issues of the project.

We have extensive industry knowledge, trained and experienced telecom engineers and technicians for NDB equipment installations and commissioning on offshore platforms and vessels including:

- Drilling Rigs
- Oil Platforms
- Natural Gas Platforms
- Floating Production Storage and Offloading Vessels (FPSO)



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Land Installation

A Non Directional Beacon (NDB) station normally consists of three main components:

- ✓ NDB Transmitter
- ✓ Antenna Tuning Unit (ATU)
- ✓ Antenna

In some applications Remote Control Units (RCUs) and Monitoring Receiver would be also used to control and monitor NDB operations from a remote location. The range of the beacon will depend on the type of antenna used, the location of the installation; the RF power supplied to the antenna, the operating frequency and ground conductivity.

Correct installation of a NDB system is a key factor in system efficiency. Antenna tuning and matching to the transmitter to keep the VSWR at the lowest possible level close to one is essential in any NDB system installation.

TASHKOO engineers are skilled and trained and have experiences to design different components of a NDB station based on customer requirements and environmental situations. This would guarantee system performance and reliability for the system life cycle. NDB systems typically provide decades of uninterrupted service.

TASHKOO engineers have many years of successful experiences in design, system built and FAT tests, site installation, SAT, commissioning, providing factory and site training of Non Directional Beacon (NDB) systems in different countries.

Non-Directional Beacon (NDB) transmitters are ground-based, radio equipment operate in MW band between 1250-190 KHz and 1800-1600 KHz.

NDB system normally would be installed along side of landing strips of airports or in a location closed to a helipad. The main function of NDB is to transmit an omni-directional location signal (beacon) with an assigned identification code. Pilots of approaching airplanes or helicopters receive the transmitted signal using a MW receiver called Automatic Direction Finder (ADF) to located the destination airport or helipad. The ADF determines the relative NDB direction to the aircraft.

TASHKOO Ltd. supply and install single and dual NDB transmits in frequency band (190-1250 kHz) and with transmits power of 25 W, 50W, 125W, 250W, 500W and 1000W.

Our commitment is to provide our customers with the best technical and most cost effective solutions.

TASHKOO Ltd. is an authorised distributor of Southern Avionics Company (SAC). SAC is an American leading manufacturer of navigational transmitters such as low frequency Non-Directional Radio Beacons and DGPS Reference Station Transmitters.

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