

NAVIC HANDHELD NAVIGATOR



Elena NavIC Handheld Navigator (ELNHHN) is a state-of-the-art product made through cutting-edge technology to provide precise Positioning, Navigation, and Timing. This is done through dedicated indigenous R&D. This product uses NavIC, GPS, and GLONASS to provide high-precision accuracy, availability, reliability, and integrity. It is a handy, hardened product with a 6.5" display and working for more than 30/60 hours of continuous use. The working time can be extended through external batteries.

We are proud recipient of "**Pandit Deendayal Upadhyaya Award**" for technology excellence in NavIC



ELNHHN has multiple versions to cater for the needs of different segments of the society, such as

■ **Armed Forces:** Army, Navy, Air Force, Border Security Force, Central Reserve Police Force, and other paramilitary forces

■ **Government:** National Disaster Management Authority, Survey of India, Geological Survey of India, Dept. of Survey and Land Records, Smart Cities, Police

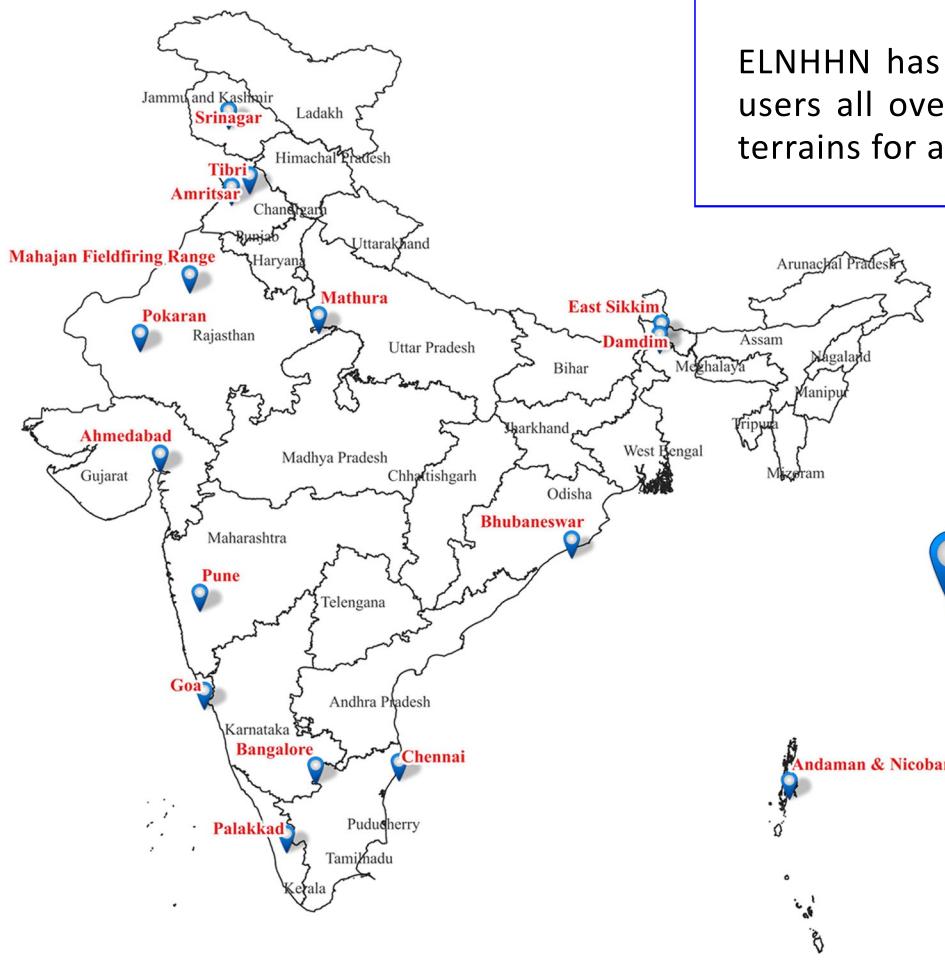
■ **Industry:** Mining, Agriculture, Logistics, Shipping, Adventure and Tourism



Briefing Military Personnel before Trials

DEVELOPED THROUGH DEDICATED R&D

ELNHHN is designed and developed by Lt Col V S Velan, an Indian army veteran over a period of two years. He has dedicated himself to the proliferation of satellite-based navigation using NavIC. He has been associated with this technology from 1998 and with NavIC from its genesis in 2008-2010.



ELNHHN has been tested by military users all over the country in various terrains for about 08 months.



Testing locations

BEYOND NAVIGATION

ELNHHN is not only a navigator, it helps in giving additional information like barometric altitude, military grid references, temperature, and humidity to help in accurate direction of Artillery fire.

The Artillery version includes fire support calculations, and gives 8/10 digit Grid Reference in Defence Series Maps (DSM) and Everest Series Maps (ESM).

It can integrate into existing automated firing systems.





Infantry

ELNHHN facilitates precise positioning, navigation, and timing. It helps in operational planning. One version provides accurate enemy location within five meters, helping accurate direction of Mortar Fire.

Advance Land Navigation Systems (ALNS) for Armoured Vehicles

ELNHHN device can be extended and integrated into ALNS. This ALNS version will enable coordination between various units during movements and operations. It helps in accurate enemy location and the direction of Mortar Fire.



Special Forces, Para SF

ELNHHN ensures precise insertion and extraction operations thus minimizing risks. It supports covert surveillance and reconnaissance missions with real-time location data. It helps in precise landing of Paratroopers.

Defence Land Management System

Using ELNHHN, we can manage defence land in a better way by dynamically monitoring the utilization of defence land and encroachments.



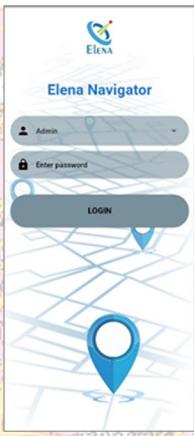
Helicopter Navigation

ELNHHN can be used by pilots for navigation within the helicopter also as it works comfortably inside the helicopter under the rotor. It helps in route planning, monitoring progress along the flight path and for landing and take-off.



USER INTERFACE SCREENS

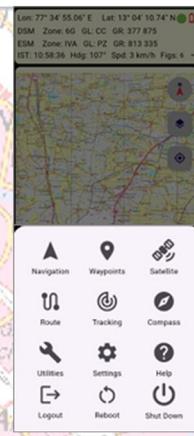
The application has the following user-friendly screens as given below:



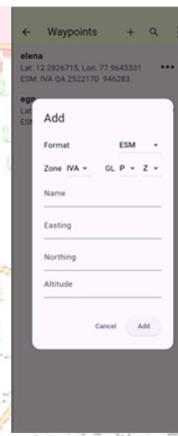
Login Screen



Home Screen



Menu Pages



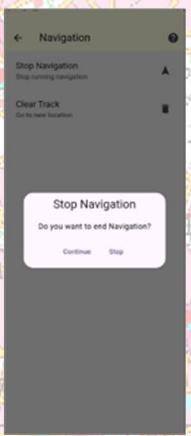
Add Waypoint



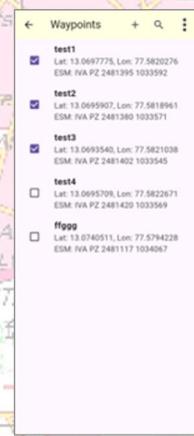
Saved Waypoints



Navigation to Point



Stop Navigation



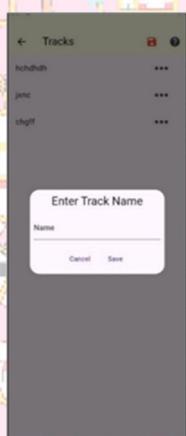
Route Creation



Saved Routes



Stop Route Creation



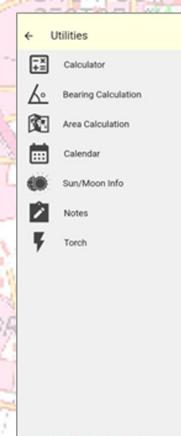
Tracking



Saved Tracks



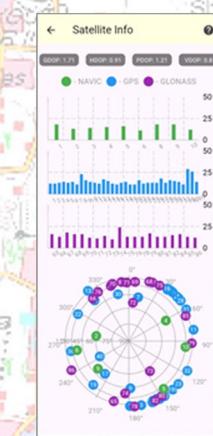
Compass



Utilities



Settings



Satellite Info

ELENA GEO

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