Multi Touch Tactical Table MT3

NEXEYA DESIGNS, DEVELOPS, REALIZES AND MAINTAINS EMBEDDED SYSTEMS ON BOARD FRIGATES, SUBMARINES, PROJECTION AND PATROL VESSELS.

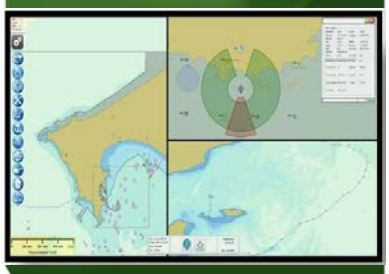
NEXEYA created in 2012 the MT3 / VTS system (Virtual Trajectory System) for the French Navy, as part of a improvement of its Operational Centre tactical plotter systems.

CONTEXT

At the French Navy request, NEXEYA developed and installed on board ships, escort vessels and surveillance class frigates, a light and automated system, which allows to display in real time air and surface tracking and tactical situation evolutions on ENC cartographic background (SITAC – LYNCEA).

BENEFITS

- Recover, display and improve locally the tactical situation assessment
- Show the evolution of the tactical situation
- Display of multiple large areas
- Visualization of the future tactical situation
- Navigation and decision help tools
- Anti-collision and intrusion zone monitoring and warnings
- Firing and safety pattern
- Modern touchscreen HMI
- Large panel of cartographic resources (multi-format, coastal, seabed,...)
- Digital archiving for the delayed replay or feedbacks



This tactical situation can displayed in different location within the ship using a remote display control system.

ARCHITECTURE

The system architecture is built on a digital plotter ensuring functions:

- Receiving data from various local and external tactical situation broadcasted,
- Complete the local tactical situation,
- Real-time tactical situation display,
- Tablet-type touchscreen HMI,
- Deport display capability.

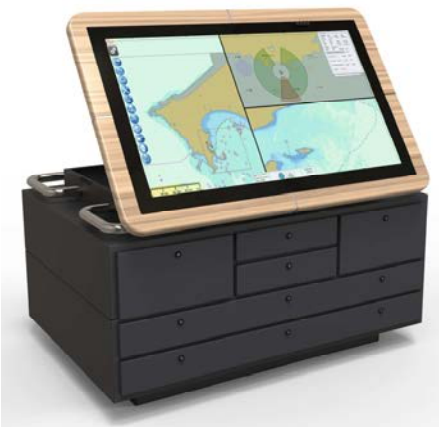
If the board does not integrate the tactical situation of broadcasting equipment, an extraction device can be plugged to the table (radar, AIS, ADS-B).

MT Multi Touch Tactical Table

FEATURES

- Display and monitoring of tactical tracks (IFF, tactical data links, surveillance radars, navigation and landing), AIS & ADS-B tracks, and non-real tracks with filtering possibility,
- Display and monitoring of ship tracks,
- Tracks classification depending on code APP6,
- Help to the use of weapons, safety zone display anchored on the target,
- Scaling of visualization (maximum 1024 Nq),
- SAR and shipwrecking assistant tools,
- Day or night screen mode,
- Viewing map markers : grid with latitude/longitude, Compass rose, distance circle (adjustable from 0.1 Nq),
- Centring on the carrier ship or a point chosen by the operator,
- Showing roads and history (possible filter),
- Control landing aid tools (aviation route choice),
- Anti-collision detection (Adjustable by operator choice for distance and time before CPA),
- Possibility to perform in navigation in close quarters (NAVRES),
- Display of fixed and mobile areas centred on the carrier ship or on a fixed point chosen by the operator,
- Record and replay for analysis and deferred time,
- Security zone crossing alarms,
- Display on 22'' to 84'' screen,
- Multi language,
- Fixed or adjustable support.

CIVIL USES (MT2 release) :



- **Merchant Navy:** roadmap with local real-time situation. Warning system to watch against piracy threats.
- **Cruise:** help to the navigation, location information for passengers. Coastal mapping and seabed.
- **Yachts (luxury pleasure):** roadmap with local real-time situation.
- **Captaincy / Coast guards:** coastal protection and control of maritime flows.
- **Platform:** local real-time situation, prevent the risks of collision.

BENEFITS

> Tactical interface

> Large area monitoring

> Tactical situation on 48 hours

> Digital tracking

> Reduced human Intervention

> Reduced human error

SPECIFICATIONS

> Dimensions (w x h x d in mm): 1355 x 1094 x 875

> Weight : 104 kg

> 115 VAC/ 60 Hz, single phase

> Norms MIL-STD-810 G and IP65

> Impact : 20g / 11 ms ½ sinus

> Temperature :

- 0 à 50°C in operation
- -20 to + 70°C in storage

> Vibration : 10-2000 Hz, 2 Grms

> Humidity : 95% RH @ 30°C

NEXEYA
Let's merge our talents

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