



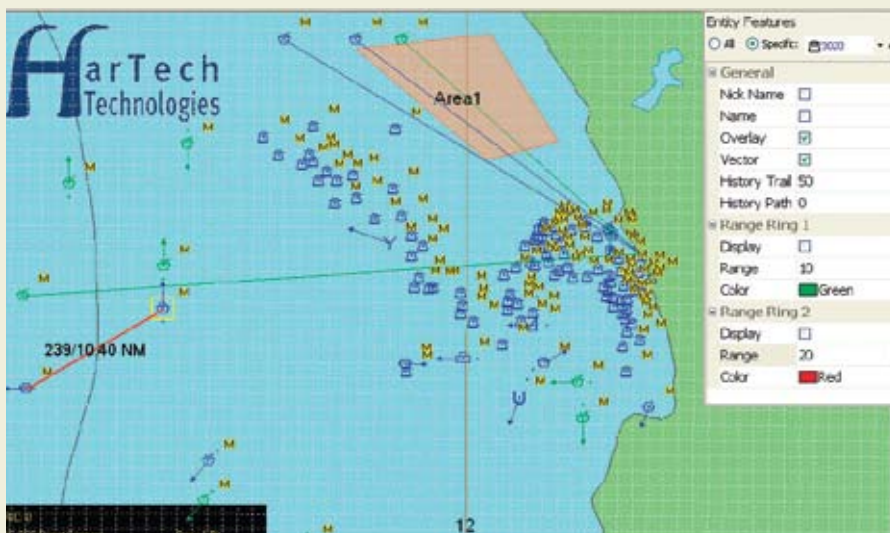
HarTech Technologies command and control (C4I) systems

Hartech's Command and control systems support commanders in understanding the operational situation and in the decision making process, to monitor and command routine activities, to plan, and execute operations and to provide intervention capability with subordinates activities and decisions.

Based on COTS equipment and MS Windows operating standards, Hartech's Command and Control Systems are user friendly and easy to operate, maintain and upgrade.

Hartech Technologies offers a wide range of C&C systems suitable for various operational needs:

- **HarTech's Tactical Command and Control System** – the Hartech tactical C4I system is already in operational use by several defense forces world wide. This command and control system supports the real-time tactical picture compilation and tactical situation picture presentation as well as enabling mission planning. Based on the same core, Hartech technologies has deployed multiple solutions including – Air and Coastal surveillance systems, Border protection, Naval warships systems (CMS – Combat Management System) and more.
- **HarTech's Operational Portal System** – This is a management focused command and control system which operates as an Intranet portal enabling the users to view the management information required for mission planning and mission management. The Portal is designed as an Intra-net Operational Portal which is browsed through using a standard Microsoft Explorer Browser. The system automatically synchronizes the information in the Portal between the different command posts ensuring that the most updated information is available at all posts and enables a clear common display thus enhancing the operational coordination level between commanders.



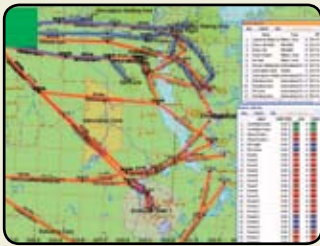
- **HarTech's mission planning tool** – This tool enables operation planners to maintain a bank of operational mission commands, and to plan missions making use of available intelligence information and planning tools such as patrol planning, search route computation, attack plans, surveillance planning, etc. The system enables commanders and planners to evaluate the mission and to run a simulation of the mission, thus enabling participating forces to view the expected routes, possible scenarios and to be prepared prior to the mission's execution, down to the smallest detail.



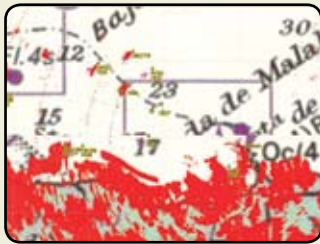
The system's interface provides the user with the ability to create and edit all the tactical aids for the Operational Portal

Tactical C&C system capabilities

The modular architecture of Hartech's C4I systems provides high redundancy level and enables independent operation of the system components, thus ensuring sufficient operational outputs and capabilities in case of malfunctions such as datalink failure. The main capabilities provided by Hartech's Command and Control systems are:



- Utilized COTS hardware
- Multiple levels of redundancy, supporting soft degradation in case of multiple hardware failures
- Maintaining thousands of tracks
- Multi Sensor - multi platform data correlation.
- Integration and control of combat systems and sensors
 - Radars, and E/O
 - Weapon systems – missiles, guns
 - EW systems – ESM, ECM
 - Navigation systems
 - Observation systems (day + night EOD)
 - IFF and AIS
 - Communication systems
 - Weather sensors
- Complete data exchange between units using Radio, VSAT, or WAN solutions
- 2D and 3D Display of the Tactical Situation Picture
- Display of maps and terrain.
- Full support of inter-force text messaging
- Data recording and replay.
- Operational planning: search and patrol design
- Navigation calculations:
 - Path planning
 - Interception
 - Minimal passing range
 - Estimated time of arrival



Hartech Technology is focused on providing a quick and practical response to all operational requirements.

We are here to answer all your questions and will be happy to meet and discuss your needs. For more details, please contact: marketing@hartech.co.il