



# Core<sup>3</sup> Navigation

Information overload is a serious threat in every arena, surprisingly the bridge of a yacht is no different.

As many as 80% of incidents at sea can be attributed to poor situational awareness. Thus it is critical that the Navigation Stations are configurable for the task at hand, sorting information such as Radar, ECDIS, Conning, Central Alarm Management, CCTV and Monitoring into a clear concise picture to enhance ship safety.

## All our Core<sup>3</sup> Navigation bridge systems take into account the following features

- Multi Function Workstations which bring together information from radars, electronic chart display and information systems for display on a single high-resolution flat-screen display.
- That it meets or exceeds all existing and proposed standards.
- They have task-orientated scalability to meet each yacht's individual requirements.
- They are IP based to enable efficient distribution and access to data using our Core<sup>3</sup> Networks.
- They have shore based connectivity to enhance operational efficiency connecting via our Core<sup>3</sup> Communication systems.
- The systems have a common user interface which will improve efficiency, safety and reduce the training required.
- Unlimited upgradeability and built in redundancy.

**One of our Core<sup>3</sup> Navigation recommended systems is the Sperry VisonMaster FT.**  
This system fulfils all the criteria as defined above.



**Core<sup>3</sup>  
Navigation**



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### **Total Watch System**

The Sperry Total Watch multi function work station can be configured quickly and easily. The Master or Watch Officer can create a selection of bridge layouts to suit different navigational situations. This maximises situational awareness for each bridge watch keeper, increasing safety, and enhancing navigation performance. It also provides for enhanced redundancy.

### **Integrated Bridge System (IBS)**

Information from all navigation sensors is brought together and merged into a functional workstation. The Sperry IBS provides centralised access to the sensor information providing for safe and efficient navigation. The IBS meets the specifications of all major international organisations, standards and notations.

### **Performance Based Navigation (PBN)**

Systems such as the Sperry VisionMaster FT Gateway provide shore based connectivity to shipboard systems enhancing operational efficiency. PBN functions include real-time chart updates, fuel management systems, live weather, and ship telematics for online diagnostics, software upgrades and technical support.

### **Scalability**

The Sperry VisionMaster FT is scalable in two ways. It is scalable in that any or all of the functions needed to meet your yacht's unique requirement can be configured to suit and secondly the system can be designed to suit the size of the vessel.

### **Upgradeable and ease of use**

All our systems are easily upgradeable as the products evolve. All VisionMaster FT products are designed with common hardware platforms, and provide a common user interface for radar, ECDIS, Chart Radar and Conning. The result is that the watch officer can move easily from one function to another, such as the radar to the chart plotter, and know which buttons to press. This provides for more efficient bridge management, enhanced safety at sea and reduced training requirements for crew.



Our recommended Core<sup>3</sup> Navigation systems fully integrate with our other Core<sup>3</sup> Technologies.

**We will only recommend systems that are proven, reliable and quality systems. That are supported well by the manufacturer so that we can ensure good support to you as the client.**

### **Certifications for Navigation Systems - Sperry & C Plath manufacturer trained**

**Other Core<sup>3</sup> Technologies** | Communications – VSAT, Fleet Broadband, GSM/3G/HSDPA, Wi Fi, SeaCell | Networks – IT | Integrated Navigation Systems | Music and Movies | Security and Monitoring

### **e<sup>3</sup> Connect**

#### **2007 Award Winners for Inmarsat and GSM services to yachts.**

Provide itinerary tailored connections for communications, sat TV and premium services. GSM, GPRS, 3G, HSDPA, INMARSAT, VSAT, IRIDIUM, EMAIL, HOSTING, GSM SEACELL, SKY, NOVA, DIRECTV, RUSSIAN, NEWSPAPERS, WEATHER, IPTV, CHART UPDATES



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