NAVIGATION ECDIS.

NEW REGULATIONS COMPLIANT ECDIS

The new fully compliant ECDIS from Kelvin Hughes operates on an integrated display incorporating all the market leading software functionality from the previous MantaDigital™ ECDIS, updated with new time saving features for a truly multifunction networked navigation and situational awareness bridge system.

ECDIS

Kelvin Hughes ECDIS meets the new IEC 61174 Edition 4 standard, is compliant to ENC S-57 and S-63 and C-Map chart formats including updates provided via online services.

With easy and fast installation, the system is multifunctional, compatible with the new Kelvin Hughes navigation radar display and bridge system, enabling the sharing of sensors over the Ethernet network and featuring a radar overlay option.

VERSION 4 PRESENTATION LIBRARY

The ECDIS uses the latest IHO standards, specifically the latest presentation library version 4 within S-52. This contains instructions for the drawing engine within the ECDIS on how to display symbols, colours and line styles on the screen. This brings greater consistency in the display of the ENC data, reduces alarm fatigue and provides information such as anchorage area names with landmarks, lights and buoys viewable by hovering the curser over the object.

InstaCHART

The efficient software architecture dramatically reduces the waiting time of the user, considerably improving efficiency and safety.

- ENC installation is now twice as fast.
- Chart redraw when altering the zoom level is almost instantaneous with no black screen.

NEW FEATURES

Kelvin Hughes ECDIS comes with a host of new and improved features to benefit the user:

- Look ahead (marker and depth areas relevant to the ships course at an adjustable time period).
- Anchor watch (visual and audible alarm of actual position in relation to swing circle).
- Anchor dragging risk (notifies if the anchor may be dragging, exceeding the new IEC 61174 standard).
- Navtex compatibility (removes the need to print messages as they can now be displayed on screen).
- Maximise chart area (provides the ability to hide the menu side bar).
- Best scale option (automatically selects the best chart viewing scale).
- AIS and radar target layers (supports additional layers).
- AIO (via C-Map CAES) display.
- One click chart updates and permit renewal.
- Remote diagnostics.
- Improved route planning tools (this enables detailed passage plans to be created and exported to pdf).

DISPLAY TECHNOLOGY

The state of the art LED widescreen display is available in 22" and 26" sizes and is an easy to install console display with an integrated 5th generation processor and 64bit operating system which can be easily integrated into any bridge.
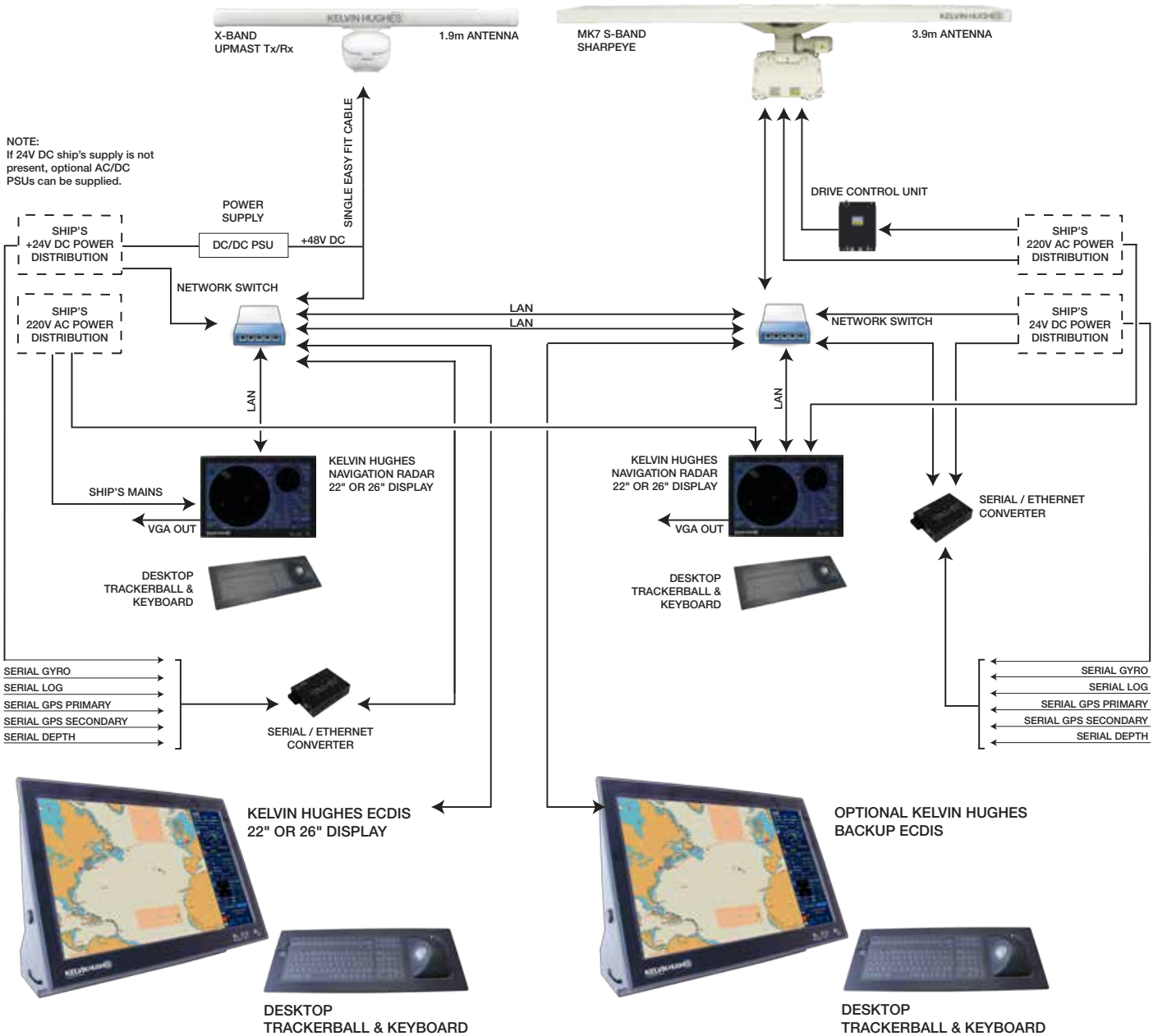

Look Ahead

Anchor Watch

AIO (via C-Map CAES)

Route Planning

Detect and Protect.

KELVIN HUGHES
A Hensoldt Company.

X-BAND
UPMAST Tx/Rx

1.9m ANTENNA

MK7 S-BAND
SHARPEYE

3.9m ANTENNA

NOTE:
If 24V DC ship's supply is not
present, optional AC/DC
PSUs can be supplied.

SINGLE EASY FIT CABLE

DRIVE CONTROL UNIT

POWER
SUPPLY

SHIP'S
+24V DC POWER
DISTRIBUTION

DC/DC PSU

+48V DC

SHIP'S
220V AC POWER
DISTRIBUTION

NETWORK SWITCH

SHIP'S
220V AC POWER
DISTRIBUTION

LAN
LAN

NETWORK SWITCH

SHIP'S
24V DC POWER
DISTRIBUTION

LAN

LAN

KELVIN HUGHES
NAVIGATION RADAR
22" OR 26" DISPLAY

KELVIN HUGHES
NAVIGATION RADAR
22" OR 26" DISPLAY

SERIAL / ETHERNET
CONVERTER

SHIP'S MAINS

VGA OUT

VGA OUT

DESKTOP
TRACKERBALL &
KEYBOARD

DESKTOP
TRACKERBALL &
KEYBOARD

SERIAL GYRO
SERIAL LOG
SERIAL GPS PRIMARY
SERIAL GPS SECONDARY
SERIAL DEPTH

SERIAL / ETHERNET
CONVERTER

SERIAL GYRO
SERIAL LOG
SERIAL GPS PRIMARY
SERIAL GPS SECONDARY
SERIAL DEPTH

KELVIN HUGHES ECDIS
22" OR 26" DISPLAY

OPTIONAL KELVIN HUGHES
BACKUP ECDIS

DESKTOP
TRACKERBALL & KEYBOARD

DESKTOP
TRACKERBALL & KEYBOARD

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