BridgeLink© AMS

THE ALARM MONITORING SYSTEM

DESIGNED AND ENGINEERED IN AUSTRALIA

AMI GROUP

A SCALEABLE, HIGH QUALITY SYSTEM FOR COMMERCIAL AND LEISURE VESSELS

BRIDGELINK AMS; PROFESSIONAL, COST EFFECTIVE, INTERNATIONALLY SUPPORTED

BridgeLink AMS is an agile and intuitive monitoring system

The AMS provides a compact interface for the monitoring and control of pumps, alarms, and other networked vessel systems, providing clear readings for ship crews to quickly monitor and react to changes in system status.

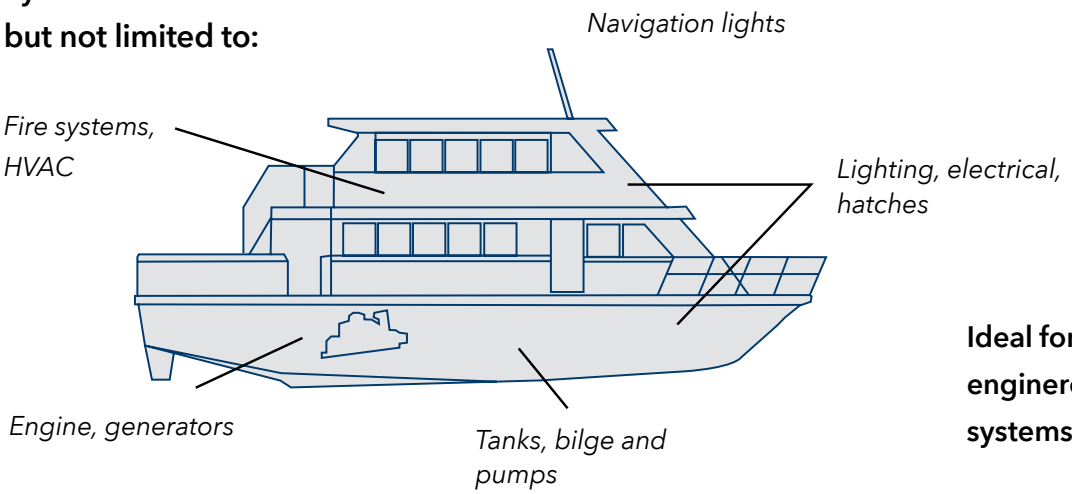
BridgeLink AMS is Australian designed and manufactured, cost effective, and packages high quality hardware, service and ongoing system support from AMI's in-house local & Australasian service agents.

The system can be configured to a variety of vessel setups, and AMI provide life cycle support from personalising the system build to suit the vessel, commissioning, and after sales support. The product includes a standard Warranty.

Why Choose BridgeLink AMS?

- Cost Effective
- High level of redundancy with managed Ethernet switch
- All individual components are type approved
- Engineered and manufactured in Australia
- High quality graphics
- Simple modular design allows for customisation
- Option to interface with external systems
- Custom remote terminal units available

Systems monitored include but not limited to:



Ideal for unmanned enginerooms, through to scaled systems for larger vessels

Our Process - from planning to installation

Your Account Manager will discuss the specific AMS requirements for your vessel with your key Engineering personnel, on acceptance of purchase order, work begins.

Our team of Engineers will begin the planning and programming to adapt the BridgeLink AMS to the input/ output and configuration the vessel.

A customised BridgeLink AMS is programmed, developed, visualised and tested based upon agreed specifications.

A HIGH PERFORMANCE AMS FOR A RANGE OF VESSEL TYPES

Suits leisure or commercial craft

High quality components and design ensure BridgeLink AMS' high performance on a wide variety of vessels.

Installation

AMI's project team will customise the system you choose specifically for your vessel, and will assist with the commission process. The install is efficient with handover to crew provided including desired levels of user access for Engineers and Crew.

Data Logging

Log important alarm system and event history data and transfer to USB for recording and reporting.

Interfaced Systems

Monitored systems interfaced with the AMS can include; bilge & ballast pumps, tanks, engines, generators, lighting, electrical, engine, DC systems, fire systems, hatches, HVAC and more.

Service support - wherever your journey takes you

The BridgeLink AMS is designed and engineered by AMI, so after commission and setup life cycle support is always available from a qualified AMI Technician.

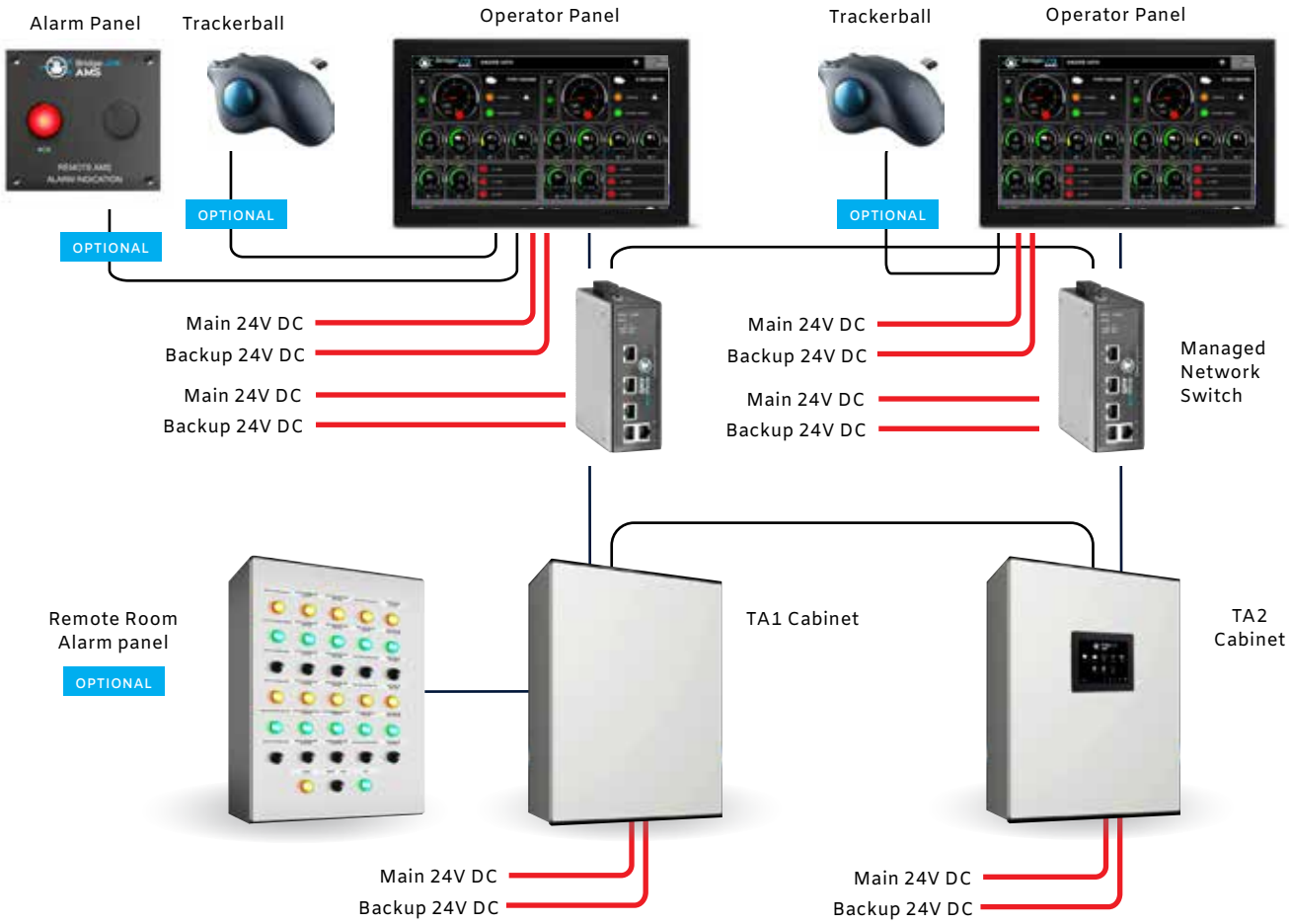
AMI has branches throughout Australia Singapore and Vietnam, and an international network of service partners.

We assist with any required inclusions upgrades or bolt on value added options such as additional remote panels or data screens.

The system is ready for handover, and AMI Technicians will commission the installation, providing the vessel's Engineering staff and crew with access.

AMI provide life cycle support and standard warranty, utilising only high quality hardware in all packages.

SYSTEM DIAGRAM



SCREENS AND CONTROLS

5”-21” Operator Panel
options available

Mount screens in helm, engineer’s
cabin, engineroom or any area on board

Tracker ball &
Mouse available

CABINETS

TA1 Series

TA1 Cabinet with
manual control

TA2 Series with 7”
remote display

TA1 Mini Series

AMS CABINET OPTIONS BASIC SPECIFICATIONS

	MODELS	ENCLOSURE SIZE W*H*D	NO OF DIGITAL INPUTS	NO OF DIGITAL OUTPUTS	NO OF ANALOGUE INPUTS	NO OF ANALOGUE OUTPUTS	MAX ADDITIONAL DIGITAL INPUTS/ OUTPUTS *	MAX ADDITIONAL ANALOGUE INPUTS/OUTPUTS **	POWER SUPPLY
	TA-Mini (32 Channel)	From 400*400 *200	24	0	8	0	8	4	Redundant 24V DC or 230/110V AC
	TA-Mini-DI (32 Channel)		32	0	0	0	8	4	
	TA-Mini-DO (32 Channel)		0	32	0	0	8	4	
	TA-Mini-AI (32 Channel)		0	0	24	0	8	4	
	TA-Mini-AO (32 Channel)		0	0	0	24	8	4	
	TA-Mini Custom (40 Channel)		Max 40 Channel						
	IP66 rated Enclosure Enclosure and door: Fibreglass-reinforced unsaturated polyester Door: All-round foamed-in PU seal. Mounting plate: Sheet steel								
	TA1 (72 Channel)	From 500*500 *200	48	0	24	0	16	8	
	TA1-D (72 Digital Input)		72	0	0	0	16	8	
	TA1 Custom (80 Channel)		Max 80 Channel						
	IP66 rated Enclosure Enclosure and door: Fibreglass-reinforced unsaturated polyester Door: All-round foamed-in PU seal. Mounting plate: Sheet steel								
	TA2 (128 Channel)	From 600*800 *300	96	0	32	0	32	16	
	TA2-D (128 Digital Input)		128	0	0	0	32	16	
	TA2- Custom (128 Channel)		Max 160 Channel						
	IP66 rated Enclosure Enclosure and door: Fibreglass-reinforced unsaturated polyester Door: All-round foamed-in PU seal. Mounting plate: Sheet steel								

Note: ** Analogue channels are only available in multiples of 4

Note: * Digital channels are only available in multiples of 8

I/O SPECIFICATIONS	
Fieldbus Protocol	Modbus TCP (other protocols available on request)
Digital	P-type Switching (other options are available on request)
Analogue	4-20mA, 0-10V (other options are available on request)
RS422/485, RS232 , NMEA	Available (Transfer rate: 300.....115200 Bps)
J1939 Interface	Available
I/O Channels Options	32 Channels, 62 Channels, 128 Channels upto 30% expansion capacity available on all units
Power Supply	24V DC (110V AC or 230 V AC available on request)
Certifications	ABS, BV, CUL, DNV, LR , RHNA, ATEX , IEC EX
Cabinet Details	All the cabinets are IP 66 rated with BV, LR, TUV, RMRS Approvals
OPERATOR PANEL SPECIFICATIONS	
Size:	5 inch, 7 inch, 10 inch, 15 inch & 21 Inch
CPU	ARM Cprtex-A9 Dual Core 800 MHz
Operating System	Linux RT
RAM	2 GB
Flash	4-8 GB
Touch screen	True Glass Projected Capacitive, Multitouch
Brightness	300 Cd/m2 to 500 Cd/m2
Dimming	to 0%
Certification:	ATEX, IECEx, DNV-GL, LR, EU RO MR, RCM
IP Rating	IP 66 (Front) mounted and cabinets
Power Supply	24V DC
ACCESSORIES	
Printer * Only optional with exTop systems with windows CE based OS.	
Local Alarm Panel with buzzer	
Group Alarm Panel	
Sounder/Beacon	
Data logger	
Trackball	
Keyboard	
Sensors	

EXAMPLE VISUALISATION

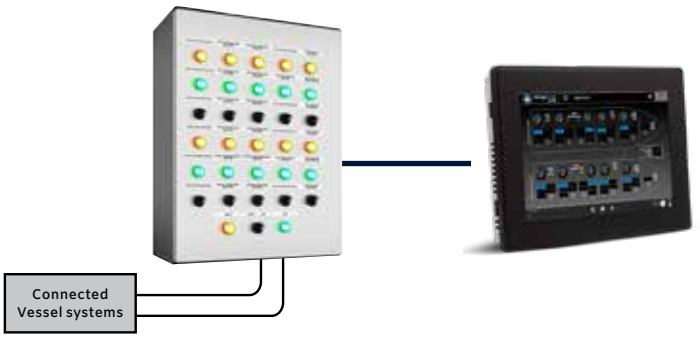
Dashboard view

Engine Data

Bilge Pumps

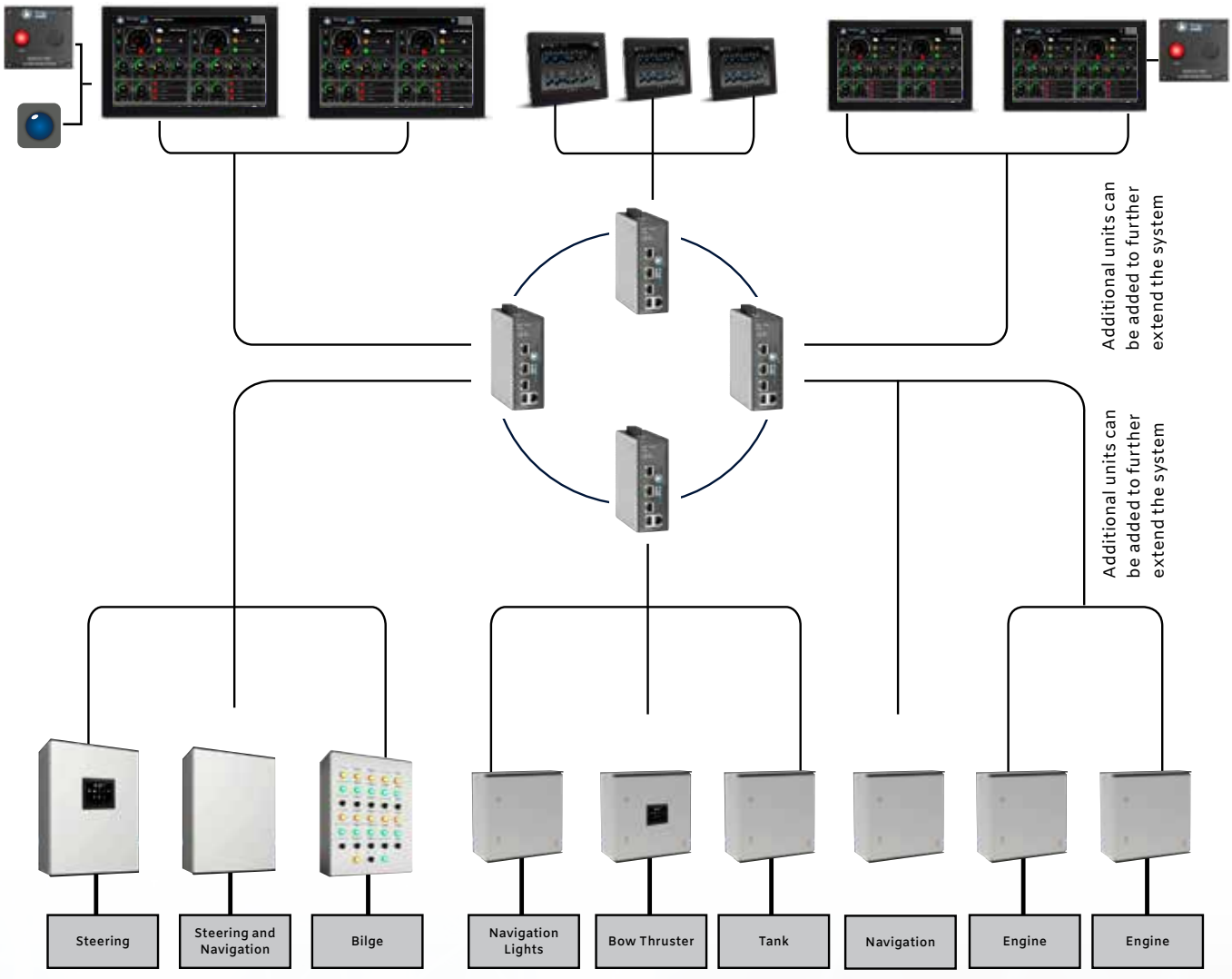
SYSTEM EXAMPLES FROM BASE TO EXPANDED

BASE SMALL VESSEL SETUP



EXAMPLE CONFIGURATION FOR LARGER VESSELS

Mount screens across the vessel, from the bridge, to accommodation and engine control room



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