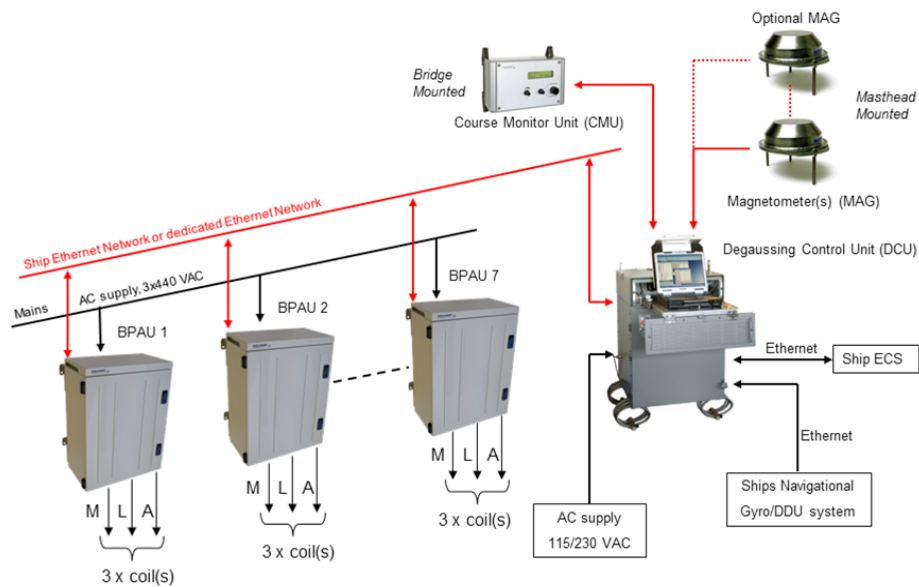




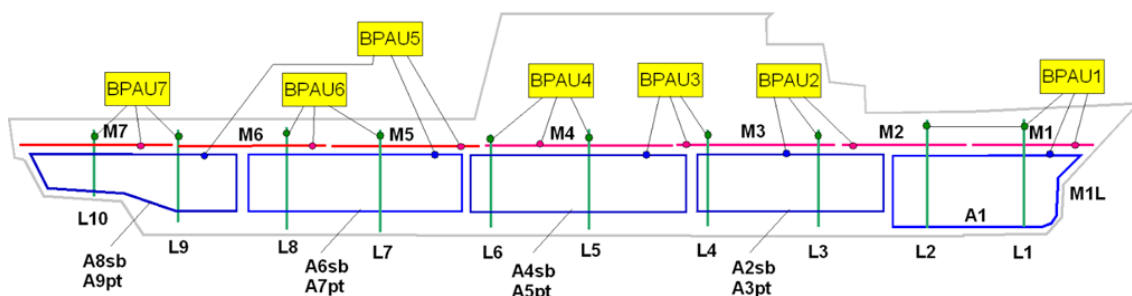
# Advanced Degaussing Systems For The Future Available Today

The Polyamp Digital Control ADG MkIII using the Polyamp triple output Bipolar Amplifier LCA12K3® revolutionizes the market. The implementation of an ADG system is now significantly simpler by reducing the overall weight to 1/10-th, size to 1/3-rd as well as cost compared to competing systems.

Multiple magnetometer control as well a modularized Degaussing Control Unit with distributed Bipolar amplifiers enable outstanding signature control.



A full ADG system for OPV's, Frigates as well as larger vessels such as LDHs and LPDs can be achieved by using significant less amount of DG equipment.



# Polyamp Degaussing Systems Specifications

The Polyamp ADG system MKIII fits for any Naval steel hulled vessel from typically 60 meters up to Carrier sized vessels. Equipment specifications are as below:

## DEGAUSSING CONTROL UNIT DCU



Size & Weight	606x884x685 mm 93 kg
Supply	1x115/230Vac or DC supply
In- & output	Magnetometer Data Ethernet Gyro/GPS Ethernet BPAU control & status data of the DG
Software and Features	QNX RTOS in Control Operators interface (OI) in WinX under C# Up to 43 Hz update of BPAUs currents Parameters in BPAUs Magnetic Map Hull/Coil compensation Fault managements Sensor Measurements ADG Operating manual
Hardware	cPCI, Intel x86 CPU Ruggedised Operators interface or S/W Window in workstation

## BIPOLAR AMPLIFIER UNITS BPAUs



Size & Weight	550x 740x370 mm 80 kg
Supply and power	3x 400/440Vac 13.5 kVA Efficiency > 86%
Current Output & Accuracy	3x $\pm 17A$ @331V max 12kVA total Accuracy >99%
DG Coil Current updates	Up to 50 times / second through the DCU control
Coil Load	6-19.5 $\Omega$ , 0-2H
Control & Data out	Ethernet control Data out as I, U, M $\Omega$ , temperature, and alarms

## MAGNETOMETER MAG



Size & Weight	316x 230x276 mm 6 kg
Type & Range	3 axis unit 0 - $\pm 200 \mu T$ with 6nT resolution
Output Data & accuracy	Digital RS485 Fault <0.5% (typically)

## COURSE MONITOR UNIT CMU



Size & Weight	280x 236x164 mm 3.5 kg
MMI and Control	2x16 character LCD Manual Control using Course Knob Heading / Current switch
In-/Output Data	Digital OPTO cable to DCU Course steps of 0.5°

## ALL APPLICABLE DG PARTS HARMONIZES WITH FOLLOWING STANDARDS:

Shock & Vibration	EMC	Electric	Electrical Safety	Temperature	Humidity	Inclination
MIL-STD-901 MIL-STD-167/1	MIL-STD-461F	MIL-STD-1399 section 300	EN60950, EN 50178, EN 61010, UL1950, CSA 22.2-950	0-50 °C MAG: -25 to +85 °C	0-90% non condensing (MAG: 0-100%)	Up to 45° in all directions

Specification can be changed without further notice. © Polyamp AB, 2014

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