

ETHEREAL

FLAWLESS POWER

Ship to shore marine power systems

## Your comfort and convenience ensured.

The choice of electrical power system may not seem to be an important consideration on a luxury yacht, but it could have a significant effect on your enjoyment.

### Why connect to shore power?

- 1 Zero emissions and pollution in harbour
- 2 Reduced on-board maintenance and energy costs
- 3 No noise or vibration, greatly improving on-board comfort for crew and guests
- 4 No interference with neighbouring berths
- 5 No engineer supervision necessary
- 6 Exterior and interior kept clean and stain free
- 7 Reduced demand for fuel bunkering, saving cost and time
- 8 No maintenance or servicing required
- 9 Increases yacht resale value
- 10 Complies with future harbour and government demands

### Why use a Shore Power Converter rather than an isolation transformer?

- 1 Connection to any worldwide shore supply: 50 or 60Hz
- 2 No inrush, leakage current or phase sequence complications, making connection quick and simple
- 3 Protects on-board equipment from shore faults such as sags and surges
- 4 Regulated output with no crew intervention
- 5 Clean output power for all on-board equipment, including sensitive audio devices
- 6 No power disturbances when changing supplies: shore to generator and vice-versa
- 7 Can run in parallel with on-board generators when extra power is required
- 8 Lighter and more compact
- 9 Modular design reduces space required on board
- 10 Greatly assists all future servicing requirements

If you compromise on the power system, you may find lights flickering, TVs losing their picture or computers misbehaving. There is a risk of instruments potentially malfunctioning or overheating, so reducing their life expectancy. When you've specified the best equipment, it makes sense to allow it to perform to the highest level.

With a Magnus system your lights will not so much as flicker, even when switching from ship to shore power. It might seem a small thing, but this alone proves the quality and sophistication of Magnus systems. With our total electrical power system design you can be confident that your critical circuits will never be stressed by 'dirty' power.

The Magnus load sharing solution ensures that, when extra power is needed for special occasions, you can top up the shore power from your on-board generators. There is no risk of the embarrassment of losing power just when your in-port soiree is in full swing.

### Welcomed the World Over

There is rapidly increasing pressure from ports around the world to regulate the use of generators in dock. Several ports have already outlawed the use of on-board generators when berthed and others are discussing restrictions when docking. If this trend continues, yachts without adequate electrical power provisions may be excluded from certain ports.

### For tomorrow's world

Our electrical power solutions significantly reduce harmful emissions and ensure the ultimate in quiet power provision when entering port and when berthed. So you can enjoy the luxury of your craft without upsetting your neighbours or unnecessarily affecting the environment

### Dependable at all times

Magnus systems are based on world class equipment, backed by specialist expertise that guarantees completely dependable power at all times, anywhere in the world.

When you specify Magnus you can be confident that your power system will never let you down. Not in port, nor offshore. Never.

When the ordinary simply will not do, you will appreciate the astonishing efforts Magnus have made to ensure that you get utterly extraordinary electrical power quality.

