



Tasports launches new vessel

Tasports have unveiled the first of two new pilot vessels to service shipping in Northern Tasmania.

The new pilot launch is the first of its kind in Tasmania and features an internationally recognised design which has proven to be the safest pilot vessel on the market.

Tasports Chairman Stephen Bradford said the total investment for the new vessels is close to \$5 million, ensuring the ongoing safety of Tasports pilots and crews.

"The new pilot launch will be deployed in Bell Bay with the second vessel to be deployed in Burnie in early 2017," Mr Bradford said.

"Over three million tonnes of cargo is forecast to come in and out of Bell Bay in the upcoming financial year and over five million tonnes for Burnie."

Tasports has invested \$10 million in renewing its fleet since 2014.

"The new vessels will play a pivotal role in our ability to service future business and customer growth," Mr Bradford said.

"The French design vessels are built in Australia by Hart Marine, measure at 16 metres

long, a top speed of 28 knots and a maximum draft of just 1.4 metres which gives them excellent maneuverability," he said.

"There are some 80 vessels of this design in service around the world, with 14 currently in Australia including at Flinders Port, the Port Authority of New South Wales and the Port Phillip Sea Pilots.

"An innovative beak-bow design provides enhanced sea handling characteristics, reducing stress and fatigue for the crew from the pitching and rolling of the vessel in rough waters.

"The role of Marine Pilots is to ensure the safe navigation of ships into Tasmanian ports. The nature of this operation means that Marine Pilots need to deliver a safe service in all but the most extreme conditions, 365 days a year," he added.

The new vessel was officially named Paterson at a ceremony today and is part of Tasports' broader 10 Year Fleet Renewal Program.

Tasports Fleet Renewal Program aims improve the safety of Tasports employees, protect wharf infrastructure and support shipping customers with an efficient and reliable fleet.

Paul Jindra's common sense approach to marine ventilation

AS the founder of Jindra Energy Conversions, Paul Jindra presides over a company that has developed and manufactured a range of superb marine components, engineered and purpose built to endure the rigours of a life spent at sea.

This includes a range of fans, pumps, boat parts and accessories that have all gained a reputation for excellence due to their robust, corrosion resistant properties and durability in a testing marine environment. In fact his brushless high power marine fan was nominated for a DAME Award in 2004 by METS, the number one international design competition.

However, Paul is particularly passionate about DC powered ventilation systems in preference to AC power and for good reason. As he says.

"Let's say you drive a Mercedes and you discover that the electricity used to run the lights, wipers and air conditioning is sourced from an extra AC generator stored in the boot.

"As ridiculous as that sounds you may well have to deal with that situation when you buy a new boat. Yet your boat has a marine engine that powers a DC alternator and a battery system much like the Mercedes which of course doesn't need an extra AC generator, and likewise, your boat is capable of supplying all your shipboard power needs."

Paul continues to explain how shipboard AC generators are not only expensive to install and inefficient but can be hazardous in a marine environment with operating voltages such as 115, 240 or 440 volts. Galvanic corrosion can also be a problem due to the need to earth the AC wiring to Earth.



Unlike AC fans, the wiring in Paul's DC fans is floating above ground and if it's earthed with the negative pole of the DC system, the equipment will handle both installations. Paul's DC fans do not corrode and operate at variable and much higher speeds.

Paul Jindra is passionate about improving on-board performance and efficiency within the marine sector and continues to expand his horizons in international waters with his products now in demand in Italy and Holland as well as other countries around the globe.

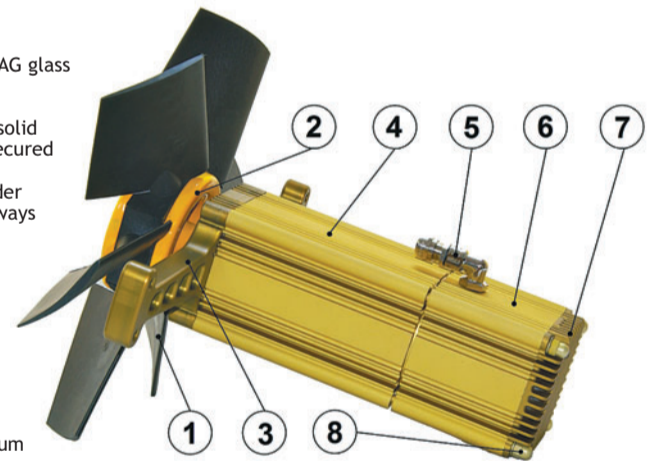
For more information about Jindra Energy Conversions and its wide range of high quality marine products call Paul on (03) 8872 6555 or visit; www.jecmarine.com

Marine Fan

For engine rooms and compartments that require reliable ventilation!

PRODUCT DESCRIPTION

1. Blades are heavy duty PAG glass reinforced.
2. Hub is machined out of solid 6061 billet aluminium secured on a magnetic stainless steel shaft using Ringfeder expansion rings (no keyways required).
3. Mounting Bracket is machined out of solid 5083 aluminium plate with large passages to minimise air flow turbulence.
4. Stator housing is made out high quality aluminium profile.
 - a. Inserted inside the housing is a stator potted with heat conductive epoxy to remove heat from the wiring, increase insulation and protect the wiring against potential corrosion. Both ends of the housing are sealed with o-rings to protect the inside from the harsh marine environment.
 - b. The rotor is made out of magnetic stainless steel and is populated with high temperature, custom made magnets that are fibre reinforced and potted with a heat conductive epoxy. Stainless steel oversized bearings are mounted on both sides for longevity.
5. Special Glands have been used for the power supply and speed control along with mil spec shipboard cables.



6. Electronic control housing is made out of the same material as the stator housing. Control electronics have been custom designed and locally manufactured to drive the fan with speed control of 0-10VDC or PWM.
7. Hermetically sealed heat sink machined out of 5083 plate marine grade aluminium to keep the power electronics cool.
8. Four long fasteners made out 7075 aluminium are used to keep all part together.

All components are made out of the same materials, are hard anodized and sealed with dichromate in order to prevent corrosion.

For further performance details, please visit: www.jecmarine.com.au



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