

SUMMARY

- Introduction
- **Untimely failure has unexpected benefits**
- Power Electronics SD700 VSD In a Marine Application
- PENZ Tips and Tricks

Welcome

to the latest edition of PowerNews and our last for 2019.

2019 has gone by in a blur! We have again experienced strong growth, have taken on more staff to serve our customers, and are excited about what the New Year will bring. Our new products, especially the SD750, have been well received by customers and continue to generate new business. Our power quality business is moving from strength to strength. Power Electronics will be open on all normal business days throughout the Xmas/New Year period.

We hope that you will have the opportunity to take a break and enjoy the sunshine that we have been promised.

Thanks for your continued support and we look forward to serving you in 2020.

UNTIMELY FAILURE HAS UNEXPECTED BENEFITS



A failure of a large competitor VSD at the Rio Tinto aluminium smelter couldn't have happened at a better time for those attending an onsite, customer tailored Power Electronics training session. PENZ Engineer, Jason Curtis, was able to take his students from the classroom to experience some 'real world' VSD fault finding and commissioning of the SD75040055 (220kW) replacement.

The onsite, customised training sessions also covered off other PENZ AC motor control products used by the site, as well as fault-finding, commissioning and diagnostics techniques. The recently released App based PENZ Tools, and the new PowerComms V commissioning software package, were also introduced.

For any enquiries regarding training for any of the products from our range please contact your local PENZ Sales Engineer.



POWER ELECTRONICS SD700 VSD IN A MARINE APPLICATION



Power Electronics NZ supplied and commissioned a SD70330, 160kW variable speed bow thruster drive on the luxury expedition vessel Latitude which has recently been undergoing a refit at the Port of Whangarei.

The SD700 is ideally suited for marine applications with it's high

level of environmental protection and Germanischer Lloyd certification.

About the vessel;

Latitude was German built as an Ice Class supply boat (OSV), converted and refit 2003 thru 2006 into a luxury Expedition yacht with a first class yacht interior. Her interior designer

was Claudio Bernardes, a famous Brazilian architect. Designed for long range, global adventuring, LATITUDE carries multiple support vessels and a wide array of water sports equipment.

After a busy day exploring diving and fishing, guests can relax in the 40,000 gallon fresh water swimming pool or enjoy a quiet drink in the main saloon.



Key Statistics;

Type	Explorer Yacht
Length	170 (51.816m)
Beam	36' (11.0m)
Draft	Min 12'10" (3.9m)
Guest Cabins	6
Weight	809 tons

Builder	Custom
Built	MFG 1973 / RFT 2003
Engines	MWM / Deutz TBD4408 Diesel
Fuel Cap	64000g (242241L)
Designer	n/a
Flag	Panama



Power Electronics NZ will be open on all normal working days throughout the Christmas/New Year period. For any sales or support queries call us on 0800 VSD HELP.

The Power Electronics Team

PENZ TIPS AND TRICKS



Power Electronics have a range of helpful apps available via the Open as App platform. Please check out the PENZ Tool via the link below on app or web client.

<https://oaa.app.link/launch-hub-bf04b23f-5445-4c65-84c9-915234a82061>

PENZ Tip and Tricks app provides snippets of wisdom so you don't have to trawl through the whole manual.



sales@power-electronics.co.nz

www.power-electronics.co.nz

Christchurch Head Office
(Southern Region)
14B Opawa Road
P.O. Box 1269
Christchurch
New Zealand

Napier
(Central Region)
Unit 1, 105 Ford Rd
Ford Road Business Park
Onekawa
Napier

Auckland
(Northern Region)
16 Aranui Rd
Mt Wellington
Auckland

Phone: 03 379 9826

Phone: 06 845 9067

Phone: 09 527 8523