

PINFABB ECO: SMART FIN STABILIZER CONTROL WITH SAVING FUEL SOFTWARE

Pinfabb SRL, company that operates in the worldwide market, offers solutions and multiple benefits in order to bring back to life and renew old and obsolete fins stabilizer controls. Its main product, PINFABB ECO digital control, is also adaptable to new controls and can be installed in parallel with the existing one. Why should you choose to install PINFABB ECO Control?

- COST EFFICIENCY SOLUTIONS
- RENEWAL OF THE PLANT THANKS TO PINFABB ECO CONTROL SYSTEM
- SAFETY MEASURES FOR STABILIZERS LONG WORKING CONDITION
- SIMPLIFYING STABILIZING FINS PLANT
- SIMPLIFYING CREW OPERATIONS
- MAINTENANCE COSTS REDUCTION
- CO2 EMISSIONS and FUEL CONSUMPTION REDUCTION THANKS TO PINFABB ECO TECHNOLOGY .

The Northern European Shipping Company Tallink AS prefers Pinfabb to carry out a smart stabilizer project, renewing the existing control and optimizing the stabilization performance on board M/s Isabelle, a ferry that daily connects thousands of passengers from Stockholm to Riga and return, where was installed Pinfabb Eco at the beginning of 2014. Below the comments from the Technical Superintendent, Aaro Arnus:

” Many thanks for good job has been performed on board MS Isabelle. The upgrade of hydraulic and control systems of stabilizers gives to our Owners, seafarers and passengers many advantages like easy control of stabilizers, fuel economy and most important is that has been guaranteed ships safety and comfortable sea voyages of passengers”.



SEA TRIALS RESULTS

Together with Tallink we have obtained good results, as explained from Matteo Fabbricotti (Pinfabb SRL CTO and PINFABB ECO developer):

”We are very proud to cooperate with Tallink, a company that is well oriented into energy efficiency and into smart ship maintenance, the cooperation with the crew and with the management has been brilliant and precious to obtain such a good result as the 0.25 knots improvement on cruise speed when sailing with Eco software mode”.

RETROFITTING AND PINFABB ECO EASY INSTALLATION

On board M/s Isabelle we have performed a full upgrade of the old stabilizing control:

- It was performed in few days
- With the supply of new compatible hydraulic parts we have bring back to life the stabilizer plant: our control can easily interfaced using the existing hydraulic and mechanical plants, but on board M/s Isabelle we have completely renewed the stabilizers system.

WHEELHOUSE

A new touchscreen panel totally replaces the old analogic one. The simple and intuitive use facilitates the operator. Our system provides analytical data about the stabilization and suggestions in order to obtain the optimal use of fins.



OLD ANALOGIC BRIDGE CONTROL PANEL



NEW TOUCHSCREEN TFT CONTROL DISPLAY

ENGINE CONTROL ROOM

New and suitable Main Panel replaces the old unit.

PINFABB ECO Main Panel is less bulky and has clean lines, composed by industry and military standard components.

The system proved to be highly reliable and flexible. START & STOP buttons have been added for a simple operation by the crew also from local, when needed.



OLD MAIN PANEL



PINFABB ECO MAIN PANEL IN ECR

LOCAL UNIT:

New Digital Automation (FDA) have been installed instead of the obsolete local units.

All the connections, from the local unit to the bridge, have been performed using a single Ethernet Cable.



OLD LPU



NEW FDA

Our experience of over 30 years in fins stabilizer, the desire to improve and to offer an increasingly advanced product and assistance, an innovative and unique product like Pinfabb Eco place us as leader in the field of stabilization on board.

CONCLUSION

Pinfabb Eco Digital Control:

- Can be installed on ANY type of stabilizers, no matter which is the plant or the age
- Has demonstrated to provide high quality stabilization, also at low speed
- Is a useful Fuel Saving Tool, as in ECO mode it can reduce fins drag and consumption up to 60%, and also CO2 emissions.
- Has the most advanced Human-Machine-Interface, easily providing several real time information
- Could be integrated with ship equipment and its info could be shared with company office

...A wise and right choice!



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