

# Energy saving device

**F.T.C.**

**FLUID TECHNO CO., LTD.**

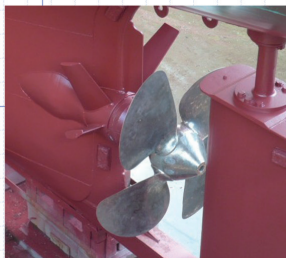
## “Eco-Stator”

Energy Saving Device

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“Eco-Stator” consists of four or five stators which have about same span length as the propeller radius and are welded radially around the stern boss in front of propeller. The energy saving efficiency is 3 – 4%.



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## Eco-Stator.....

The pre-swirl energy saving device “ Eco-Stator” composes of 4 or 5 stators attached by welding to the stern tube radially upper part of axis before propeller.

The inflow into propeller around the stern of ship is rectified and swirled against the propeller running direction with stators. This contributes to reduce loss due to rotational flow by running propeller. The output of main engine is reduced at same ship speed and attainable reduction ratio of output with “Eco-Stator” is by 3% to 5%.

Not only new building vessels but retrofit can be applied. And the energy saving devices attached to the rudder are compatible to “Eco-Stator” . The well designed both devices can work together with each other effectiveness.

## Effectiveness of “Eco-Stator”;

- With the reduced propeller running speed the same speed without case can be kept.
- With the same propeller running speed without case, ship speed is increased.
- The ship vibration due to propeller is reduced due to rectified stern flow by stators.

## INQUIRIES

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