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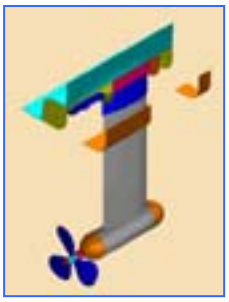
PRESS-RELEASE

African Cats is launching her 'GREEN MOTION' retractable drive system!

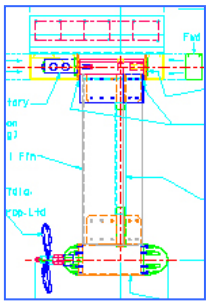
African Cats is launching her new retractable electrical propulsion and generation system 'GREEN MOTION' for sailing yachts this year.



Thoroughly testing

At this moment we are setting up to run and simulate 10 years of usage in our salt water testing facility in Durban South Africa. After 3000 hours of total run time we are disassembling the units to check for wear. In the meantime we are building the first FastCat 435 Green Motion (no hybrid) and at the end of this year we will complete 2 Atlantic crossings for further testing.

After approval of the system production will start and the complete system will become available for all monohull and catamaran producers worldwide.
This **retractable 'Green Motion' drive system** will be made both for monohulls and catamarans. It will almost fade out the use of fossil fuels on board.



Different approach to regeneration

African Cats has taken a different approach than all other electric motor producers, while they advice the recommended propulsion power, we look at what is necessary to recharge the battery system and how much power is needed to feed all the consumers on board.

(No power, no propulsion) For that reason we install electric motors with an output that is 50% higher than what is actually needed for propulsion and during test sails we adjust the maximum output for propulsion to 10% over hull speed. That way we use just what is needed for propulsion of the boat but we can generate 50 % extra power while sailing. Normally this approach is not very efficient because of the bigger motors and propellers creating drag but since this is a retractable system where one or 2 units can be lifted from the water it creates no drag penalty.

Motor profit and sizes

The regeneration starts producing energy at 5 knots of speed. With 8 knots speed 3 KWh per motor is regenerated out of the 10 KWh drive unit. We have purposefully built these underwater motors/generators and therefore created a very slim and ultra efficient (92 %) motors. The range of motors we build **starts at 5 Kw up to 25 Kw, replacing 20 up to 100 HP in diesel engines.**

Testing FastCat 435

Besides having the regenerating power of the electric motors we will also install 4 solar panels with a total capacity of 840 watt and a mast head mounted wind generator. We can expect another 200 watts per hour average from this unit. Having this unit in the top of the mast has been tested the last 6 months and it has many advantages, far less noise and double the output over the normal installation. The FastCat 435 to be tested will have an emergency generator on board but we expect that it will not be used during the crossings.

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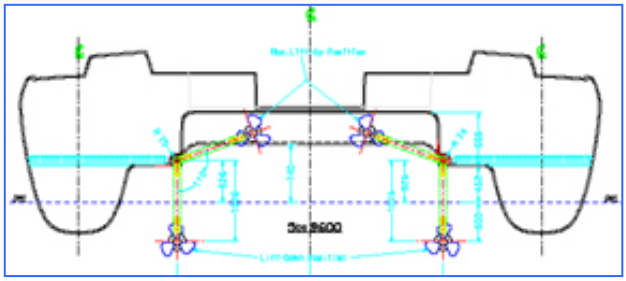

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