South Atlantic

Self steering Windvane

South Atlanttic make life aboard easier

WHY SHOULD I CHOOSE A SOUTH ATLANTIC SELFSTEERING WINDVANE?

All self steering systems sold today are tried and proven.
The South atlantic is one of the most reliable servo pendulums.
Here are some of the reasons why:

South Atlantic S 301 / S 440 / S 470 / S 500 / S 600

All our products are done at our own factory

Reliability – virtually unbreakable

A wide range of models to chose from

Superior in light airs downwind - due to so little friction in the system

Normally used 100% of the time when sailing

Elegant, clean profile - permits use of davits, boarding ladders, swim platforms.

Flexibility in positioning of brackets - no critical location requirements – simple to install

Can be installed 'off center' - to accommodate boarding ladders, swim platforms etc.

Can be used in tandem with autopilot - helpful under motor or to steer over compass.

Negligible maintenance

Works without electricity

Makes no noise

Loves heavy weather

South Atlantic S 500 K -G / S 600 K -G

No lines in the cockpit- just 'click' into gear - no attention to lines.

Emergency steering – fully operational ‘ready to use’.

Naturally stable with fixed main rudder - less yaw, more comfortable, faster and safer

Suitable for situations that are difficult or impossible for other systems: off centre, hydraulic steering, external rudders, centre cockpits and stiff steering, some slower multihulls

Wheel steering with more than four turns

High freeboard

Bad weather helm

Mizzen boom

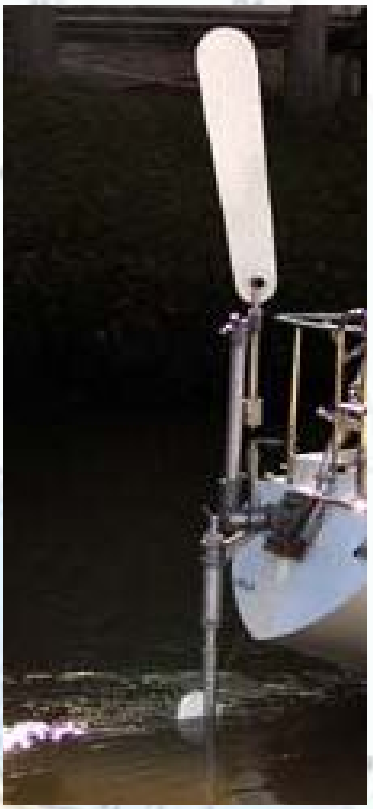
Boomkin

Transom davits

Warranty: Each system warranted for three years of first owner's use against defective materials and workmanship plus our life- guarantee on damage in the material (aluminium).

Photos from yesterday and today

(Since 1987)



South Atlantic S 301

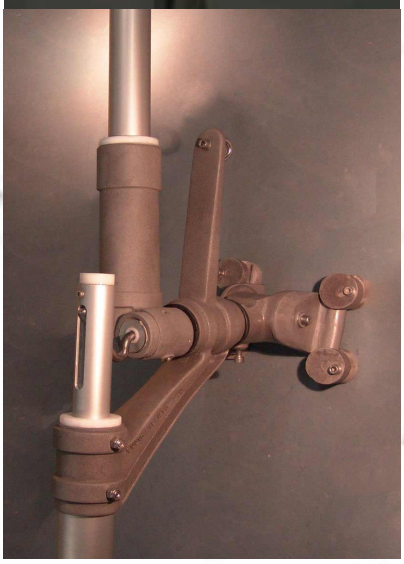
Description.

It is a servo-pendulum windvane. It is the most widely proven principle for a windvane.
This principle offers a great sensitivity-strength balance. The windvane is a fast and efficient steering system. The servo-pendulum system consists of a [censor-vane] which transmits the change in the wind direction to the windvane rudder. This moves laterally on reception of the signal. The rudder is attached to the tiller by [lines] which move the tiller or wheel that steer the sail boat.

Advantages
Adjustable vane (for strong or light wind)
Vane fixing in central position"
Adjustable power transmission"
Easy to start and stop operating"
Course adjustment - manual"
Lift up ocillating rudder, + - 170 degrees"
Protection against overloading"

Easy to Instal or Remove and Store
4 fitting up bolts, 1 dismantling bolt"
Effortles fastening- according the curvature of the transom." Easy to Remove and StoreIt can be easily and safely removed and stored leaving only the small base on transom." Optional transverse bar for difficult stern configurations

Autopilot Control
A small, inexpensive tiller type autopilot, using minimal power, can be rigged to control the South-Atlantic windvane.The South-Atlantic windvane Steer by the wind or by compass.



Power Transmission
Servo Hydraulic Steering" Adjustable wheel adaptor" Center Cockpit/Aft Cabin

Adaptability
Length of airvane mast, pendulum shaft and tiller arm customized to fit each individual boat.

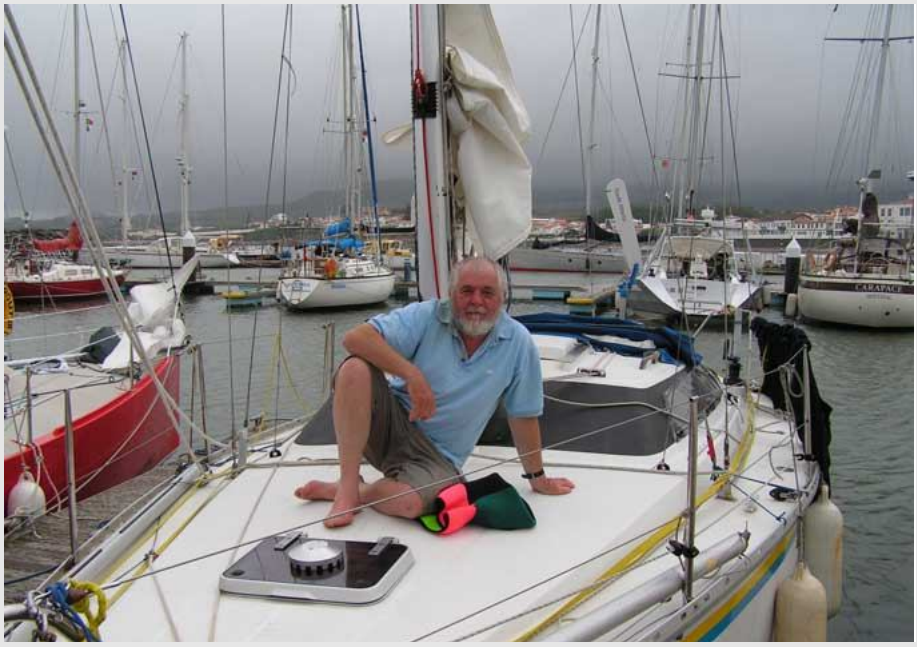
Strength and Durability
South Atlantic, uses a 100% sea water resistant alloy. South Atlantic grants a lifetime guarantee against damage in the material (aluminium).

Materials
Sea water resistant aluminium," POM bearings." Servo rudder, Wood made up with [epoxi]" 6 mm Marine AW100 wooden vane

Bearings
We use sliding bearings: they need no upkeep and run softly.Demand for spare bearings is almost man-existing!

Weight
12,5 Kilos

LOA Displacement
Series S-3001 : up to 9 m / 30 ft Series S-301: up to 2900 kg



South Atlantic S 440

Description
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Advantages
Adjustable vane (for strong or light wind)" Vane fixing in central position" Adjustable power transmission" Easy to start and stop operating" Lift up ocillating rudder, + - 170 degrees" Protection against overloading" Detachable auxiliary rudder

Easy to Instal or Remove and Store
4 fitting up bolts, 1 dismantling bolt" Effortles fastening- according the curvature of the transom.
Easy to Remove and Store, leaving only the small base on transom."
Optional transverse bar for difficult stern configurations
Autopilot Control" A small, inexpensive tiller type autopilot, using minimal power, can be rigged to control the South-Atlantic windvane.
The South-Atlantic windvane Steer by the wind or by compass.

Power Transmission
"Servo Hydraulic Steering"
Adjustable wheel adaptor" Center Cockpit/Aft Cabin
Adaptability"Length of airvane mast, pendulum shaft and tiller arm customized to fit each individual boat.

Strength and Durability
South Atlantic, uses a 100% sea water resistant alloy.
South Atlantic grants a lifetime guarantee against damage in the material (aluminium).

Materials
Sea water resistant aluminium," POM bearings." Servo rudder, Wood made up with [epoxi]" 6 mm Marine AW100 wooden vane

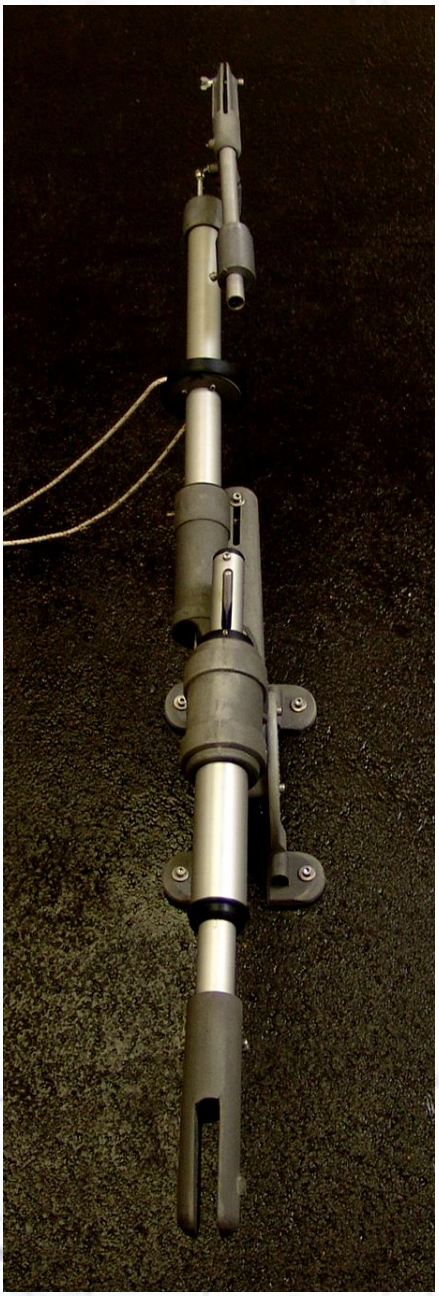
Weight
ca 20 Kilos

Bearings
We use sliding bearings: they need no upkeep and run softly.Demand for spare bearings is almost man-existing!

LOA Displacement
Series S-440 : up to 15 m / 50 ft
Series S-440: up to 15.000 k

South Atlantic S 440

South Atlantic S 470



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Power Transmission
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Strength and Durability
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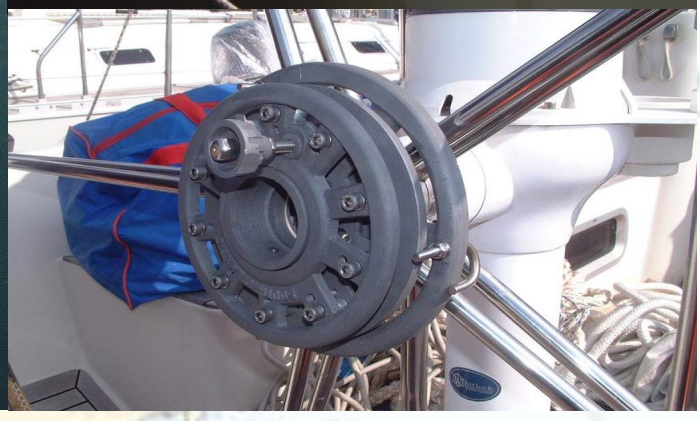
Materials
Sea water resistant aluminium," POM bearings." Servo rudder, Wood made up with [epoxi]" 6 mm Marine AW100 wooden vane

Weight
ca 20 Kilos

Bearings
We use sliding bearings: they need no upkeep and run softly.Demand for spare bearings is almost man-existing!

LOA Displacement
Series S-470: up to 18 m / 60 ft
up to 20.000 kg

South Atlantic S 470



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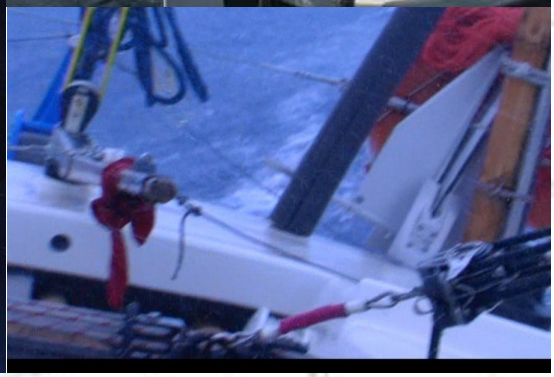
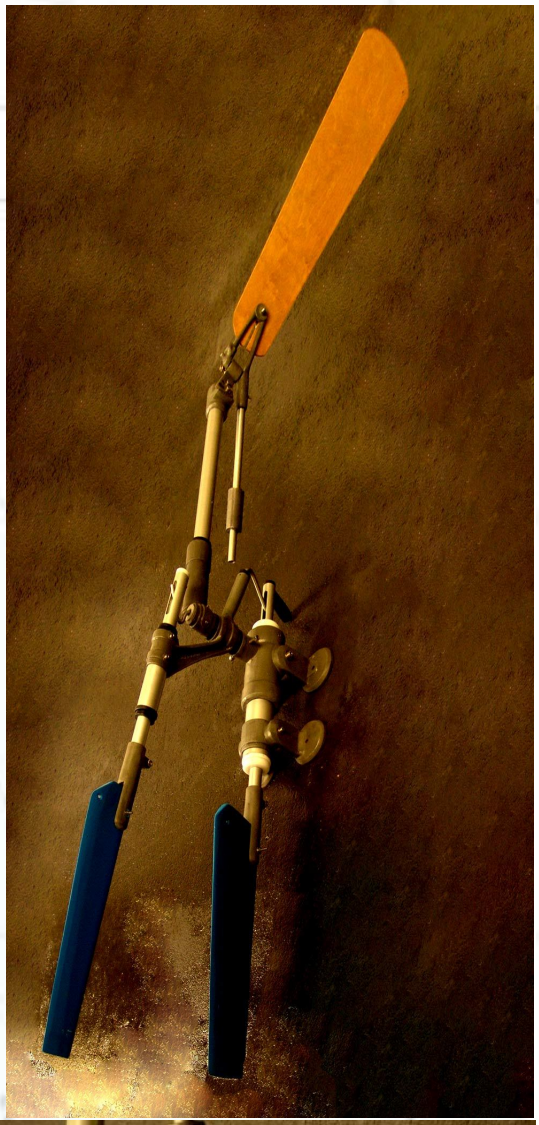


South Atlantic S 500

System type
Servo-assisted auxiliary rudder gear. Steers through the auxiliary rudder. The auxiliary rudder / servo powered steering system is the most powerful type of this concept built today. With no control line require to the wheel or tiller. Since it is independent from the main rudder, this system is suitable for huge yatchs with central cockpit.



Montage
4 Bolts

Material
Hard anodised seawater resistant aluminiumLow pressure diecastingPendulum rudder - epoxied Western HemlockWindvane - 6 mm marine ply

Bearings
Low maintenance POM and PTFE

System Weight
S 500 K: aprox. 32 kg

Vessel length/weight
Serie S-500 K:< 12 m / 40 ft
Serie S-500 K: < 10.000 kg

South Atlantic S 500

South Atlantic S 600

System type
Servo-assisted auxiliary rudder gear. Steers through the auxiliary rudder. The auxiliary rudder / servo powered steering system is the most powerful type of this concept built today. With no control line require to the wheel or tiller. Since it is independent from the main rudder, this system is suitable for huge yatchs with central cockpit.

Montage
4 Bolts

Material
Hard anodised seawater resistant aluminium
Low pressure diecasting
Pendulum rudder - marine ply
Windvane - 6 mm marine ply

Bearings
Low maintenance POM and PTFE

System Weight
S 600 K: aprox. 32 kg

Vessel length/weight
Serie S-600 G:< 18 m / 60 ft Serie S-600 G: < 30.000 kg

South Atlantic S 600

South Atlantic S 600

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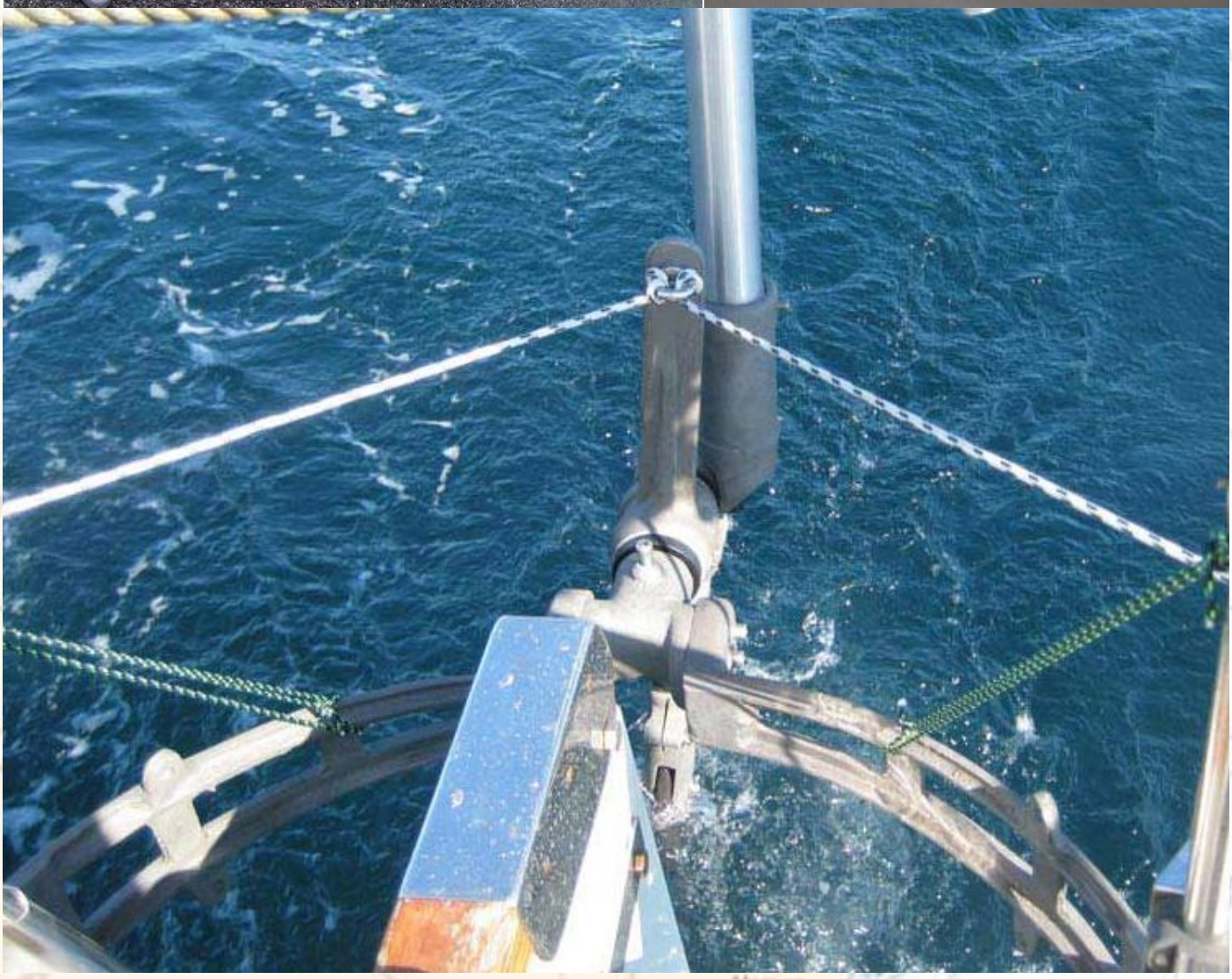
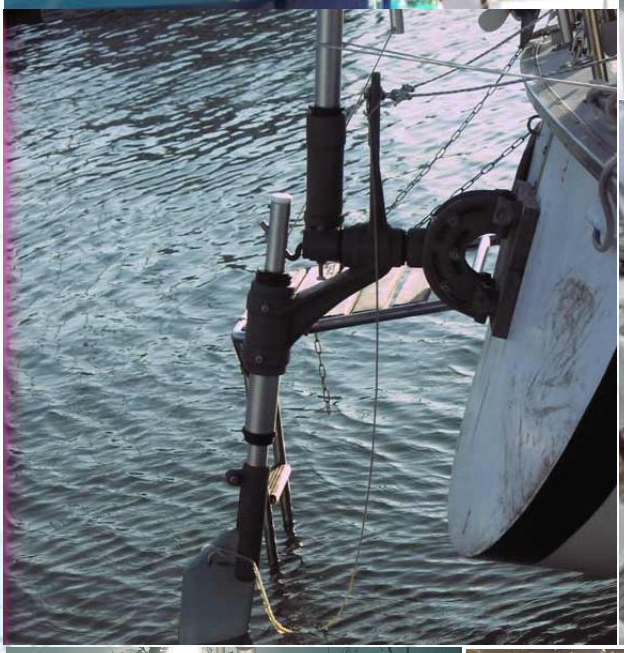
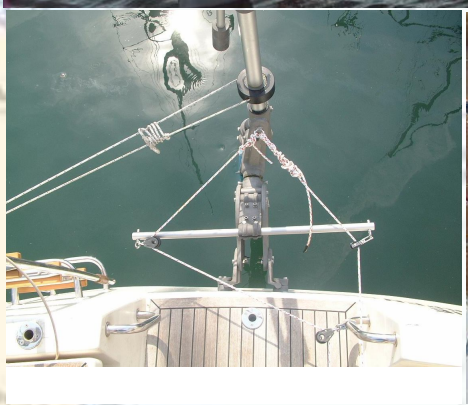
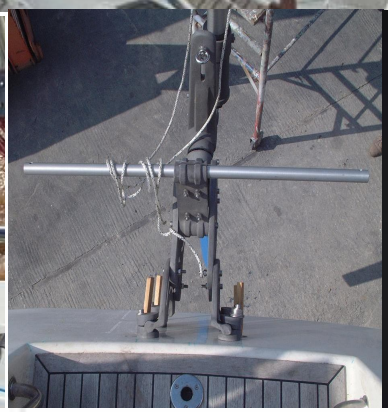
Examples

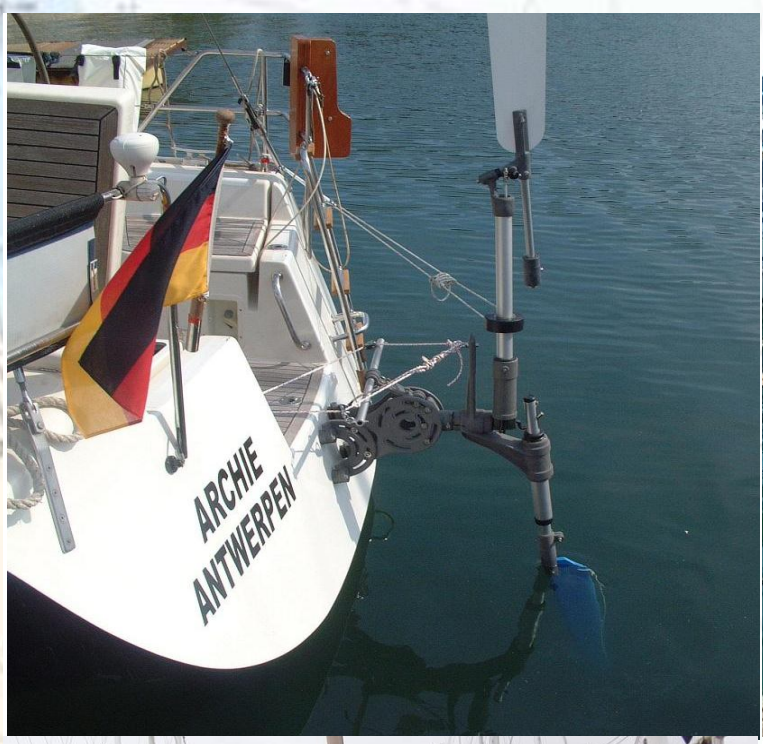


Stern Form





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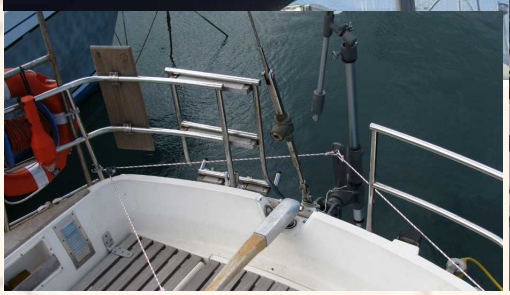
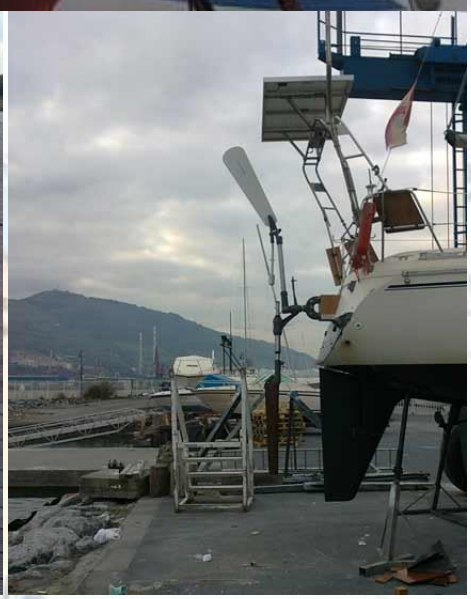
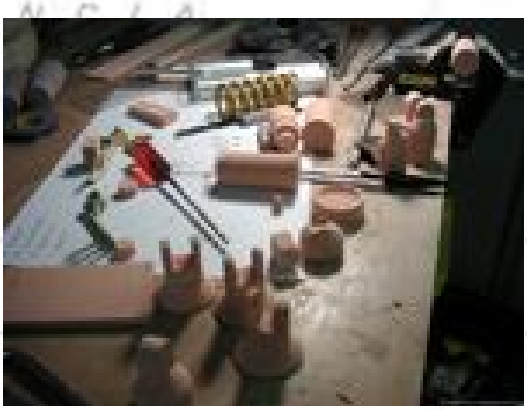
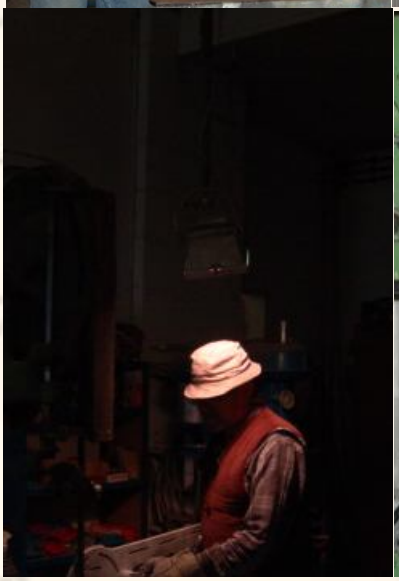
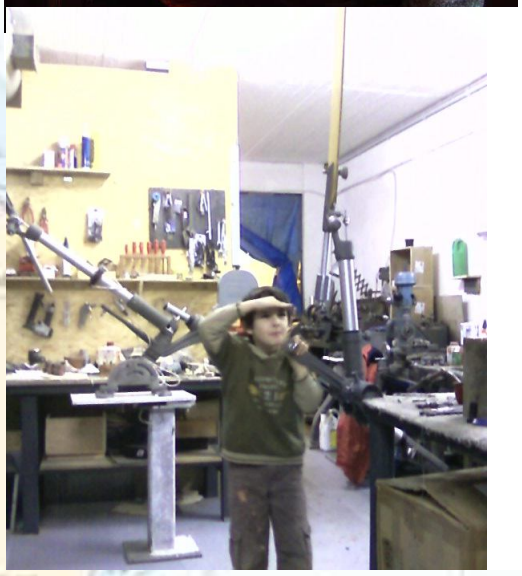




Workshop







South Atlantic Self Steering Windvane

We make life on board easyer
come in contact with us:

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