

ADENIA

IMAGES SUPPLIED BY IVAN REID AND ZAMAKONA.



NEW BOAT

NEW ADENIA STARTS FISHING AFTER ARRIVING HOME VIA KILLYBEGS

A WHALSAY family fishing partnership recently took delivery of a new pelagic trawler which replaces another of the same name.

By Peter Johnson

The new Adenia tackled some harsh weather on her passage from Astilleros Zamakona's yard in Pasaia, first to Killybegs to pick up gear, and thence to Whalsay.

Skipper George Anderson, who is in partnership with his sons Stuart, Josie and Michael and fishing agents LHD, said that Adenia took the side-on bad weather, blowing to 30 knots on the first leg and 40 on the second, in her stride.

He was well pleased with her sea-keeping ability and the

general quality of the ship, the first RSW tank ship, he believes, built by Zamakona since the Tait's Ocean Venture and Ocean Crest some years ago.

Work on Adenia started at the Basque shipyard in February 2018. She should have been completed in July this year but a national steel shortage put the skids on the timetable and further delays with crane supply and completing the wiring meant she never got back on schedule.

Skipper Anderson said: "It took a while to get what we were wanting but she is good. She seems to be a fine sea boat. Very simple and easy to work and she is a bit more modern than our other boat.

"We lost two months early on in the building and we never caught that up. But she was not that late at all. In the last two weeks there was a lot to be done."

The new boat cost about £23 million and is just under 70m long overall and at 15.6m beam is two metres wider than the old Adenia. The previous Adenia was sold to Norwegian owners.

Proceeds from that sale went into the new vessel and the Clydesdale Bank provided a "good" financial package for the rest of the balance.

"If the price of the fish bides up and the stocks bides as healthy as they are just now,

we should not be just too long getting her on the right footing," said Anderson.

"We are hoping for a good season. The price of the herring is up just now and mackerel is looking like a very good price for it."

Anderson said that the deal with Zamakona was signed after a number of options had been considered including various yards in Norway and Denmark. The Norwegian yards were all trying to complete hulls from the same yard in Poland, which meant the Polish yard could not deliver on time, and the new Charisma, another Whalsay based pelagic trawler to be delivered later this year, pipped the Adenia to the available slot in Denmark, so the partners kept looking further afield.

They wanted a yard that could complete the whole job from laying the keel to finishing her off and that narrowed the options to Turkey and Spain. Going by the rule of nearest first, they went to Zamakona's Bilbao yard and Pasaia.

The yard was evidently old but it had all the equipment and material needed in good order, better than some of the Norwegian yards, so the deal was signed shortly after in Aberdeen.

"They could build her and finish her and that was exactly

FACT FILE ADENIA

SKIPPER George Anderson
REGISTRATION LK 193
HOMEPORT Whalsay
CREW 12
COMPANY Adenia Fishing Ltd.
VESSEL TYPE Mid water trawler
BUILD YEAR 2019
BOATYARD Zamakona
DESIGN Saltship
LENGTH O.A. 69,90 m
LENGTH BETWEEN PP 61,80 m
BEAM, MOUNDED 15,60 m
DEPTH MAIN DECK 9,50 m
FISH TANKS 2,200 m³
FUEL OIL 450 m³
FRESH WATER 50 m³
HYDRAULIC OIL 10 m³
LUB OIL 24 m³

what we were looking for," said Anderson. "I am happy enough with her. She will see my boots off I doubt."

The vessel was launched in July and she was handed over in August. She left Spain on 7 September and was in Killybegs two-and-a-half days later. Setting sail for Shetland on 11 September she arrived and at Symbister, Whalsay, on Friday 13th.

Adenia's 12 crew were spooling trawl wire and loading other stores when we visited. Since then she has undergone fishing trials, with technicians from the yard and various suppliers on board to make sure everything was working right.

With everything in order, she has just begun her first herring trip before the mackerel begins at the start of November.

Fish quality is everything nowadays, especially where the Japanese buyers who pay tops are concerned.

"The quality and type of mackerel you are catching is what makes a difference to the price," said Anderson.

With a refrigerated seawater system whose two 900kW chilling plants can take 1,200 tonnes of seawater from 12 degrees to minus 1.5 in four to six hours, specially designed pumping systems and improved trawl gear, that quality can be supplied like never before.

"Your boat is not so low in the water now so you can make a better passage with it – kinder on the fish," said Anderson.

The ship has a 2,250 cubic metre tank capacity and would in practice take a maximum of 1,700 or 1,800 tonnes of mackerel or maybe 1,500 to 1,600 tonnes of herring in a landing.



Doddie Polson presents George with a lucky bottle of whiskey after he boards



George and wife Ruby in the skipper's seat after the Adenia berthed in Symbister harbour



View of the Adenia's Wheelhouse from the Skipper's seat

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ATLANTIC SHIPPING A/S would like to congratulate George, Ruby, family & crew with their new vessel "ADENIA"

ZAMAKONA YARDS

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REPAIR & REFIT

C795
 ADENIA - ADENIA FISHING LTD
 MID WATER TRAWLER
 2019



Check all the features of this and other ship building projects at WWW.ZAMAKONAYARDS.COM



Adenia Messroom



Engine controlroom



7000hp Main Engine



Radio Shetland did its live broadcast from the Adenia's wheelhouse

Congratulations to George, Ruby, family & crew with their new "ADENIA"

salt SHIP DESIGN saltship.com



Two new trawl nets from KT Nets were taken on board in Killybegs and one of Adenia's old nets was taken on board in Lerwick.

A set of 7,5m2 Tornado trawl doors were supplied by Vónin. Adenia has been designed with a stern fish pumping system and while the old ship was retro-fitted with similar, the lessons learned and improvements from that system have been applied from the start.

Her winch package—trawl winches, net drums, tail-line winch and lifeline winch—came all from Rapp MacGregor while the cranes are from Karmoy.

The fish pump and fish handling system were provided by Seaquest in Ireland while the freezing plant and pump ashore is from MMC.

H Williamson & Sons of Scalloway supplied the wheelhouse equipment with Simrad sonars and echo sounders, three Furuno radars, a TimeZero plotter, a Sodena plotter, an Olex 3-D plotter, and commissioned the electronics.

The vessel is powered by a Bergen 7,000hp main engine which normally powers everything while she is at sea and fishing. Two Yanmar auxiliary engines take care of landing power, though they can power systems at sea if need be. A harbour set provides power while she is berthed.

Extra manoeuvrability for coming alongside and fishing operations is provided by fore and aft 900kW Brunvoll thrusters.

Adenia will be fishing with all 12 crew on each trip. Skipper Ivor 'Fred' Polson will be taking turns at the wheel with Anderson, while Stuart Anderson also holds a skippers' ticket and will take a turn at the helm when needed.

Another Anderson, Josie,

is one of the Adenia's three engineers along with Raymond Fraser and chief engineer Brian Laurensen, whose daughter was marrying on Friday, 20 September, another cause for celebration in Lerwick.

The crew can enjoy cabins of the quality that pelagic fishermen are treated to these days. There is also an onboard gym and a sauna for the crew's enjoyment.

As typical of pelagic trawlers these days, the ship is very spaciouly laid out whether that is the wheelhouse, wet and dry changing areas or the engine compartment.

Cook Michael Anderson is delighted with the layout of his galley which contains a steam cooker that can be linked to the internet for recipes and an induction hob as well as a gimbal-mounted frying pan.

The surfaces, he says, are much easier to clean than the stainless-steel fittings than on the previous ship. When not served out of the pot, meals can be left in a Bain Marie in the mess room, which has a table big enough for the whole crew, though there would be room for two tables.

Speaking of the impressive build, Luis Magro of Zamakona told The Skipper: "Building a new vessel required a high degree of cooperation between shipowner, designer and yard. George and the rest of his team have been approached the project in a very practical way and the process becomes smooth and easy going."

"ADENIA-SALTSHIP-ZAMAKONA worked in perfect harmony to provide George a state of the art pelagic trawler."

The Skipper team would like to take the opportunity to wish George, Ruby, his family, and crew every success with the new Adenia.



THE MANAGEMENT & STAFF OF KT NETS WISH GEORGE, RUBY, FAMILY & CREW GOOD LUCK & CONTINUED SUCCESS WITH THE NEW ADENIA.

Contact: 074-9741498 / 087-2347601 www.ktnets.ie danny@ktnets.ie



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Congratulations to George, Ruby, family & crew with your new vessel "ADENIA".



We welcome you to us with your catch. www.sperrefish.com



“Adenia”

CONGRATULATIONS to Owners & Crew with the new Vessel!

We are delighted and proud for delivering a full range of hydraulic deck machinery to this New Pelagic Trawler owned by Adenia Fishery Company, Shetland.

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Hydraulic pump room



Family and well wishers going onboard after the Adenia arrives into Symbister

SEAQUEST SYSTEMS PACKAGE

SeaQuest Systems were contracted by Adenia Fishing Ltd. to supply their crane and fish pump packages for the new Adenia. The package supplied by the Killybegs company includes:

- 2 x SeaQuest 24” Fish Pumps
- SeaQuest 20” Pump Thru Fish Hose Reel
- SeaQuest Hydraulic Hose Reel with added Guide on
- All Fish Hose & Fish Hose connections inc 20” Stainless Steel swivels



The seaquest fish pump situated up on the port quarter ready for over the stern fish pumping



The largest stock of Fish Hose in Europe We supply, design and install Hydraulic Systems

- Fish Hose 8”-20” in lengths of up to 80 metres Seaquest fish hose fittings, inserts, quick release couplings, rail bends, adaptors to go up or down in hose sizes and leak proof stainless steel swivels to connect directly to hose fittings.
- Fish Pumps 8” dual outlet, 12”, 14/16”, 18” and our new Mega Pump 24” Fish pump fittings include hose inserts, hose clamps, quick release fittings, adaptors that go up and down in hose size
- Net sounder cable 3,000 metres in length - ex stock

To see our pumps and new swivels working click videos on www.seaquest.ie.

Best wishes to George, family & Crew on the new MFV Adenia, we are delighted to be chosen once again for SeaQuest Fish Pumps & Hose Reels for this fantastic new vessel

SeaQuest Systems

Killybegs Industrial Road, Killybegs, Co Donegal, Ireland
Tel: +353 (0)7 4973 1542 - Fax: +353 (0)7 4973 1573
Email: sales@seaquest.ie - www.seaquest.ie

KONGSBERG PACKAGE

The Adenia’s main engine was supplied was Kongsberg

Engine type: B33:45L9P
 Number of cylinders: 9
 Engine speed: 750 r/min
 Mean piston speed: 11.2 m/s
 Max. continuous rating (MCR): 5400 kW*
 Mean effective pressure (BMEP): 25 bar
 Specific fuel oil consumption (SFOC): 176 g/kWh**
 Specific lubricating oil consumption: 0.8 g/kWh
 Cooling water temp. engine outlet: 90°C

* Engine ratings are according to ISO 3046/1. The above figures are based on conditions at maximum 45°C ambient air temperature and maximum 32°C sea water temperature.

** SFOC is based on MDO with a net calorific value of 42.7 MJ/kg and no engine driven pumps, at 85% engine load. At 100% engine load, the SFOC will be 177 g/kWh. If engine driven pumps are attached, please add 1 g/kWh for each engine driven pump



Family members onboard Adenia with Doddie Polson

Congratulations



HANSTHOLM
57° 7' 24" N
8° 37' 22" E

SKAGEN
57° 43' 17" N
10° 35' 54" E

FF Skagen hoist the flag for George Anderson’s amazing vessel and welcomes the new ADENIA and the crew in Hanstholm and Skagen - two strong positions for fish.



BRUNVOLL PACKAGE

The Adenia is equipped with Brunvoll propulsion, manoeuvring and control system.

Brunvoll is proud supplier of:

- Propulsion system:
- Reduction gear ACG 950K, 5400 kW
- Propeller CP95, 4000 mm propeller diameter
- Thruster system:
- Bow: Tunnel thruster FU63, 960 kW, 1750 mm blade diameter
- Stern: Tunnel thruster FU63, 960 kW, 1750 mm blade diameter
- Control System:
- Propulsion control system Neptune II
- Thruster control system Triton CPT



KT Nets supplying the Adenia

K.T. NETS PACKAGE

Killybegs' K.T. Nets—a company that has gone from strength to strength since its foundation in 2003 and now boasts orders that have gone as far afield as South America and the East Coast of the USA and regularly supply Irish, Scottish and Danish customers—supplied the Adenia's new gear package.

Speaking to *The Skipper*, Danny Gallagher of K.T. Nets said that they were very proud to have been chosen to supply

the new gear package to the Adenia, which includes 2 x 1280 metre circumference Mackerel Trawls made from ENKALON NYLON, with 12.8 metre and 6.4 metre meshes incorporating "CAPTO" and "COMBI-TWIST" in the front-end with 8-panel Back-Ends, alongside lifeline, ancillary items, spares for nets and a 70metre 8-panel wide brailer.

Danny also said that K.T. Nets were looking forward to working with George and the Adenia again in the future.

H WILLIAMSON & SON'S PACKAGE

RADARS

DRS6A-NXT (integrated with Timezero plotter)
Furuno FAR2228-BB
Furuno FAR2238S-NXT-BB

ACOUSTIC

Simrad SN92H split beam forward looking sonar
Simrad SC90 medium frequency sonar
Simrad SU94 low frequency sonar
Furuno CI68-BB current indicator
Simrad ES80 38KHz split beam sounder
Simrad ES80 120KHz Split beam sounder
Simrad ES80 200KHz split beam sounder
Simrad ES80 dual processors
Kongsberg MRU-3 motion reference unit
DFF1 UHD sounder for Timezero + CM265 transducer
Scanmar trawl monitoring system, doors, 2x trawl eye, 4x catch, depth
Wesmar TCS385-300 complete with spare head
S/S trawl block
3000m steel trawl sonar cable

NAVIGATION

Furuno GP170 GPS x2
Furuno SC-70 Satellite Compass
Furuno FA170 AIS
Dual Simrad GC80 Gyro c/w operating panel
Furuno RD33 remote display (steering flat)
Simrad GC80 compact gyro #3
Simrad AP80 autopilot, dual head, dual AD80 output, 4x QS80 quickstick
Sodena Plotter, AIS, ARPA, Tides, ENC charts
Olex Plotter, HT module, AIS, ARPA, GRIB, full charts
Timezero plotter with full charts
TECDIS T-2138B dual BB processor

COMMUNICATIONS

GMDSS
Sailor 6310 Series DSC R/T
Sailor RT6222 DSC VHF
Furuno Felcom 18 Sat C

Furuno NX700B Navtex
Entel HT649 GMDSS Handheld VHF x3
Jotron 60S GPS EPIRB
Tron SART20 x2

NON GMDSS

Dual Turbosailor VSAT - 4Mb/1Mb data
VSAT VOIP, 1 w/house DECT phone, 1x ECR DECT phone
Iridium Sat Phone
Sailor 6248 VHF x2, 6204 remote control unit on bridgewings
Icom F5022 VHF
Icom F6022 UHF
Peitel GSM Bridge Phone
Peitel GSM ECR Phone
Deck Comms - Icom F1000 PMR
VHF c/w stubby antenna x12
2x 6-way charger
Fire fighters Entel HT983 UHF's x2
CMP950HD fistmike x2

MISCELLANEOUS

Bridge PC
Engine room PC
2x Neovo LW-24E monitor
2x Network printer
Marel M2200 Scale with pelagic sampling software
Seatel 120 Sat TV
5x24 Triax multiswitch
Gill wind display and ultrasonic anemometer
Furuno BR500 BNWAS
2X BR560 motion sensor unit, 1x BR530 timer reset unit, 2x BR540 cabin panels
3G/4G/wifi router, c/w 2 antennas and cable
VMS - owners supply

ENTERTAINMENT

14x 43" Samsung Freesat: (Cabin TVs, 1x gym)
1x Skipper Cabin TV 55" Sony
1x TV room 65" Sony
Sonos Playbar
Sony Blu-ray player
Monitors
4x 24" Hatteland X-Series display
19x 26" Hatteland X-Series display
2x Hatteland remote dimmer (one lower console, one upper console)



MMC Fish vacume pump



Aft newt deck



Adenia wheelhouse office

KARMOY WINCH AS PACKAGE

Karmoy Winch AS delivered three cranes, all delivered with one portable radio remote control panel, to the Adenia:

- One deckcrane with a lifting capacity 4 ton on a max reach of 14,5 metre.
- One fishpump crane with a lifting capacity 5 ton on max reach of 10 metre from mid. crane foundation. The crane was delivered also with one netroller that has inner dia. on the roller 600mm and length of roller 1160mm. This netroller

has pull capacity 2,5 ton on a maximum reach of 9,5 metre from mid. crane foundation.

- One Trawl working crane that has lifting capacity 4 ton on a maximum reach of 12,4 metre from mid. crane foundation. This crane was also delivered with one netroller that has inner dia. on the roller 600mm and length of roller 1160mm. This netroller has pull capacity 2,5 ton on a maximum reach of 11 metre from mid. crane foundation.

VÓNIN PACKAGE

The Adenia has been kitted out with a set of 7,5m2 Vonin Tornado trawl doors. Different and innovative, the pelagic trawl door's design incorporates five foils and the revolutionary Flow Booster which is patented.

Developed to increase water flow through the foils, the Flow Booster has proven to generate extremely high lift, demonstrating some of the most impressive figures for any trawl door on the market.

It's a fact that Vónin's customers have been able to reduce their trawl door size by an average of 25% when switching to Tornado trawl doors, providing a significantly lower drag.

Flexibility is also one of the Tornado design's key points. The angle of attack (AoA) can range from as low as 21 degrees, all the way up to 48 degrees and therefore the same set of doors can be used for a variety of trawl sizes and across a range of fisheries.

Tornado doors work well up in the surface as well as performing close to the sea bed.

Also on shallow waters, they have proven to be very efficient and stable. These doors have also been shown to work across the range of towing speeds, from 1.5 knots and up to 5 knots, and have been used successfully with both parallel and V-rig configurations, depending on the skipper's preference.

These trawl doors are exceptionally stable. Even when making sharp turns, the Tornado doors maintain their spread and keep the trawl open.

A feature which skippers also have expressed great satisfaction over is how easy and quick the Tornado doors are to shoot. As soon as the doors hit the water the Flow Booster kicks in and the doors start spreading, and submerge immediately as the wire is shot away.

VÓNIN also sees the critical importance of the strength of the product, and for this reason, the Tornado doors are constructed using high-quality Strenx steel, with fully welded seams on all joints and all welding procedures are certified.

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THE ADENIA

CONGRATULATIONS TO GEORGE, RUBY, FAMILY & CREW WITH YOUR NEW VESSEL "ADENIA". WISHING YOU SAFE & SUCCESSFUL FISHING

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