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boatbuilder

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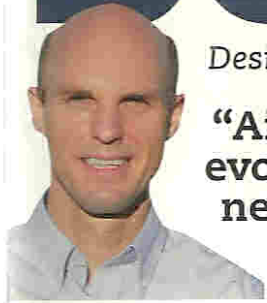
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Çemberci Denizcilik Ltd

Design, processes and techniques in perspective

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“Air conditioning is evolving. Sunseeker never sees it as an afterthought”

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BATTLING BAVARIA

Taking on the downturn with extra investment and new models

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YARD INSIGHT

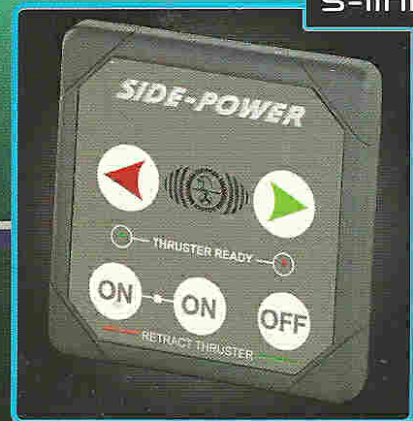
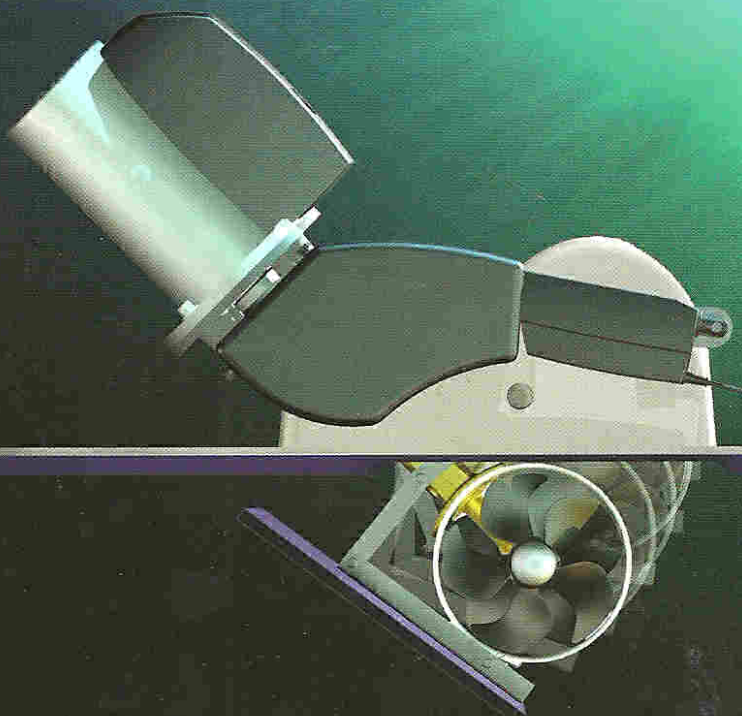
■ Ribcraft commit to advanced cutting Page 22

■ Sarnico's production breakthroughs Page 32

Experience & Innovation

Side-Power introduces the SR-series retractable thrusters - the first retractable thrusters to feature a two-way digital communication system.

The S-link control panel incorporates a unique feedback system, reporting the status of thruster operation continuously - giving you confidence by control!



Confidence by Control

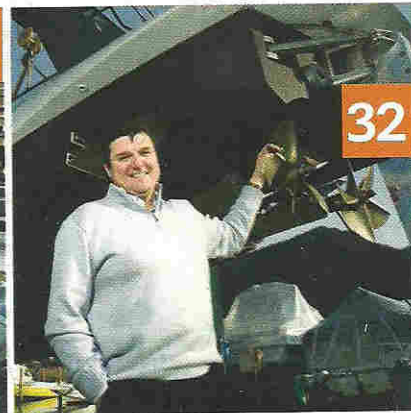
www.side-power.com



SIDE-POWER Thruster Systems

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#37



ABOVE Ribcraft in the UK is investing in the latest fabric-cutting technology

ABOVE Italy's Sarnico and its race for success

YARDS

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LEFT Scandvik Marine's recessed stainless steel shower unit

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EB's Technical Consultant
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Contributor
Previously editor of the UK's Motor Boats Monthly magazine, Jake has a wealth of

experience in boat production and product testing

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A NEW PERSPECTIVE ON DESIGN, PROCESSES AND TECHNIQUES

European boatbuilder

December - January 2008/2009 Issue 35 www.europeanboatbuilder.net

LINSSEN YACHTS

The secrets of long-term displacement success

www.speich.com

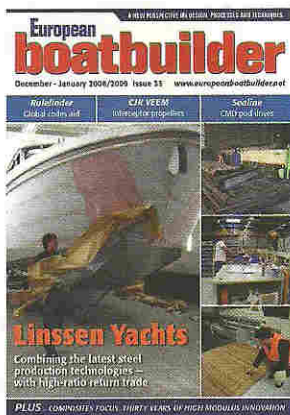
studomirai.it



speich

marine windscreen wipers

tradition and reliability



COVER

Customer loyalty and advanced production techniques mean Dutch displacement yard Linssen Yachts is untroubled by the downturn.

REGULARS

3 LEADER

by Dennis O'Neill

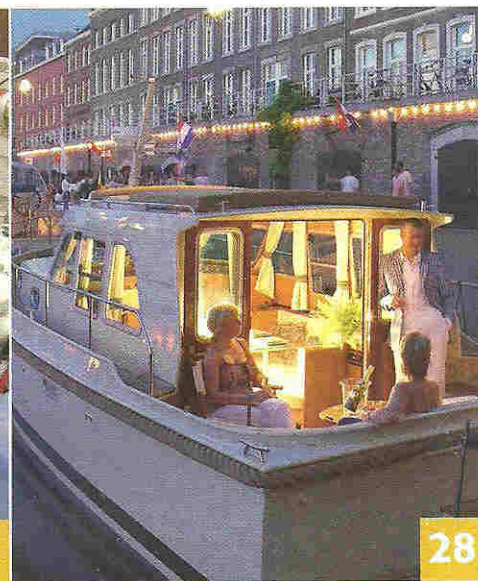
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Steve Coultate
— MD of Sealine

European Boatbuilder is published to serve the interests of professionals involved with the design and construction of pleasure boats and small commercial craft. The magazine also focuses on materials, components, tools and processes.



FEATURES

12 CODE BREAKERS

Keeping up with boatbuilding regulations worldwide can be daunting for most builders, but now — from Holland — comes a new speedy and comprehensive aid.

16 TRACK RECORD

After his advanced gas monitors won two prestigious awards at METS and IBEX, Shane Faulkhead's company EVRSafe has had to battle hard to keep up with demand.

19 JOYSTICK MANOEUVRING

ZF Marine has developed a propulsion control system for shaft drive boats that promises to offer the same low speed manoeuvring benefits as the latest generation of pod drives.

20 ZEUS DRIVE FOR SEALINE

The first European series-built boat specifically designed for Zeus pod drive propulsion is now in full production at UK builder Sealine.

24 SPEED STRIPS

CJR Propellers has teamed up with former direct competitor VEEM to bring a remarkable new propulsion system to the European market — the Interceptor Propeller System.

28 COVER STORY: STEEL THE SHOW

Fresh from the Linssen 'in-house' boat show in November, steel motoryacht builder Linssen Yachts has a remarkably healthy order book — despite the worldwide recession.

38 HIGH MODULUS AT 30

New Zealand-based composite manufacturer High Modulus has been a major influence on boatbuilding engineering for 30 years. CEO Richard Downs-Honey tell us why.

44 SEATEC RETURNS

The seventh international exhibition of technology, subcontracting and design for boats, yachts and ships — Seatec — continues to build on its previous successes.

European boatbuilder

October - November 2008 Issue 34

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Morgan Powerboats

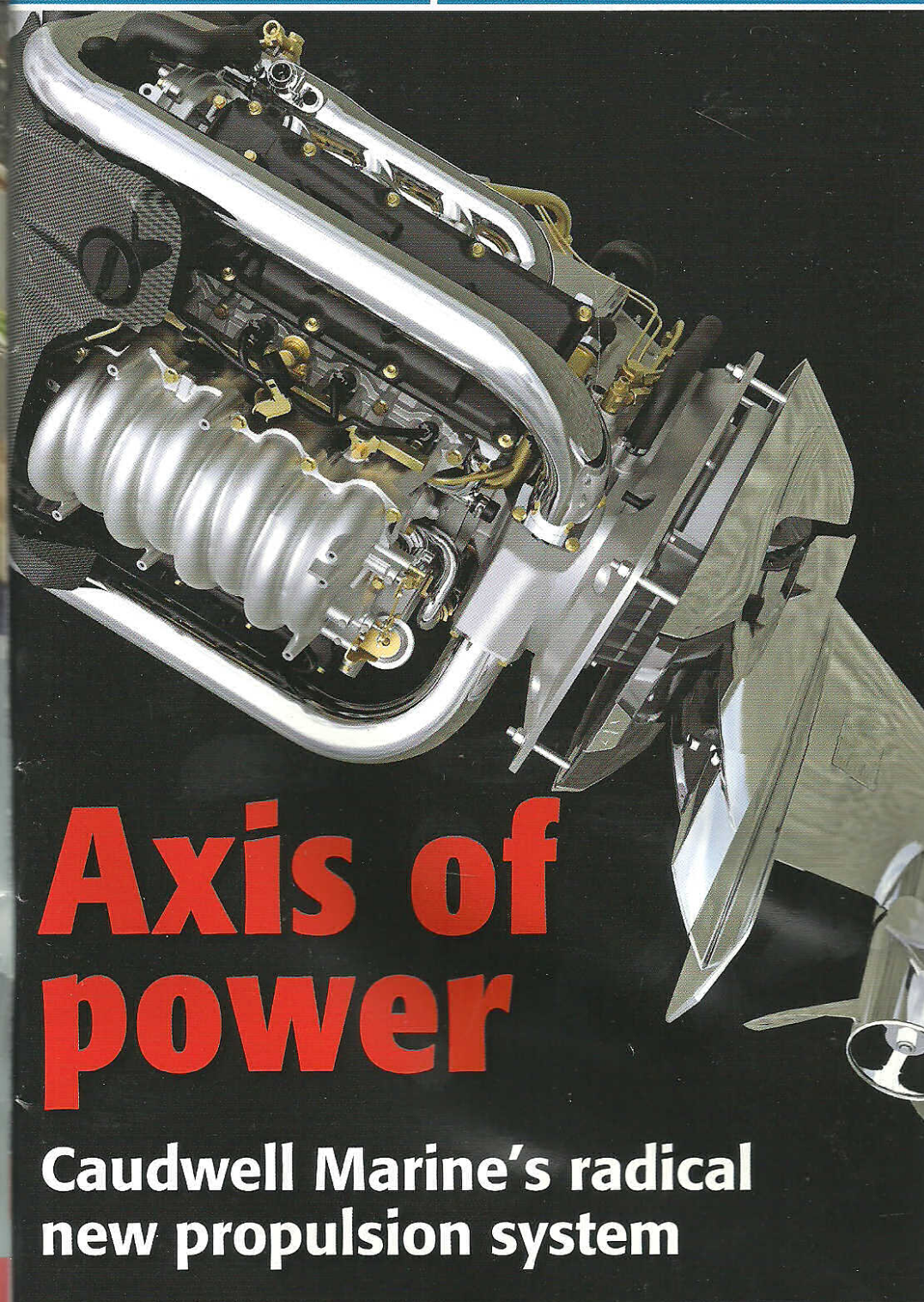
Classic with a twist

Power play

Yanmar's new sterndrive

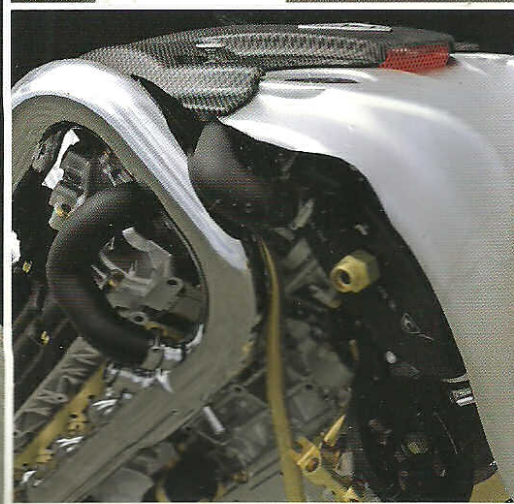
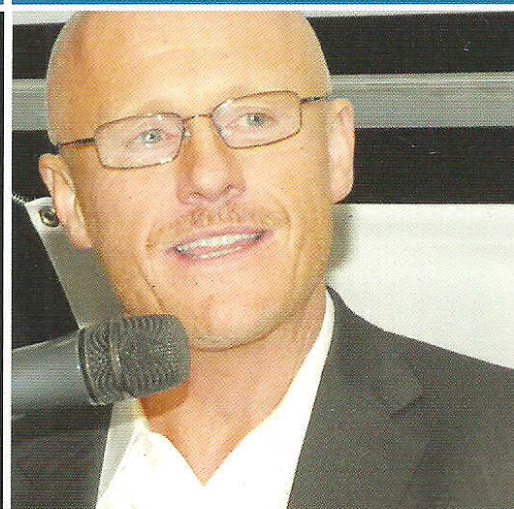
Driving force

ZF takes on Zeus and IPS

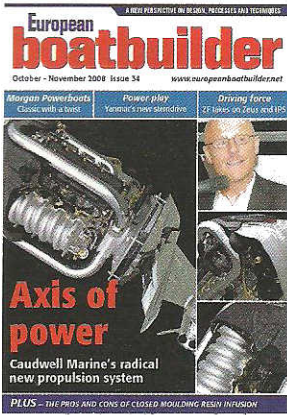


Axis of power

Caudwell Marine's radical new propulsion system



PLUS – THE PROS AND CONS OF CLOSED MOULDING RESIN INFUSION



COVER

Caudwell Marine backer, billionaire John Caudwell and the radical new Axis Drive.

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Alexis Lepoutre of Navi Line talks to Bob Greenwood about the advantages of using subcontractors as recession bites.

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FEATURES

13 GOOD VIBRATIONS

Two UK companies have entered the market with a new method of combating the age-old, and expensive, problem of fouling — ultrasound.

16 POWER STEERING

More reliable and more convenient for the boat owner, Hypro Marine's new power steering promises to have significant advantages for the boatbuilder too.

21 DRIVING AMBITION

Yanmar's new ZT350 sterndrive leg looks set to open up the sterndrive market, offering boatbuilders a genuine alternative to CMD and Volvo Penta systems.

22 MORGAN — THE START OF SOMETHING BIG?

Inspired by classic cars, Morgan Powerboats is a fledgling UK company launching a brand new product, the tough, high-speed Morgan 260.

42 RESIN INFUSION

As boatbuilders turn to closed-moulding resin infusion for consistent product quality at reduced cost, *EB* looks at the pros and cons of the process.

50 COVER STORY: CAUDWELL MARINE

A South African engineer has joined forces with a British billionaire to create a radical new drive system that could alter the way the industry views engine and gearbox configurations.

58 POD BREAKOUT

ZF Marine's new 2500 and 2800 drives looks set to change the face of the pod drive market as we know it.

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Garmin

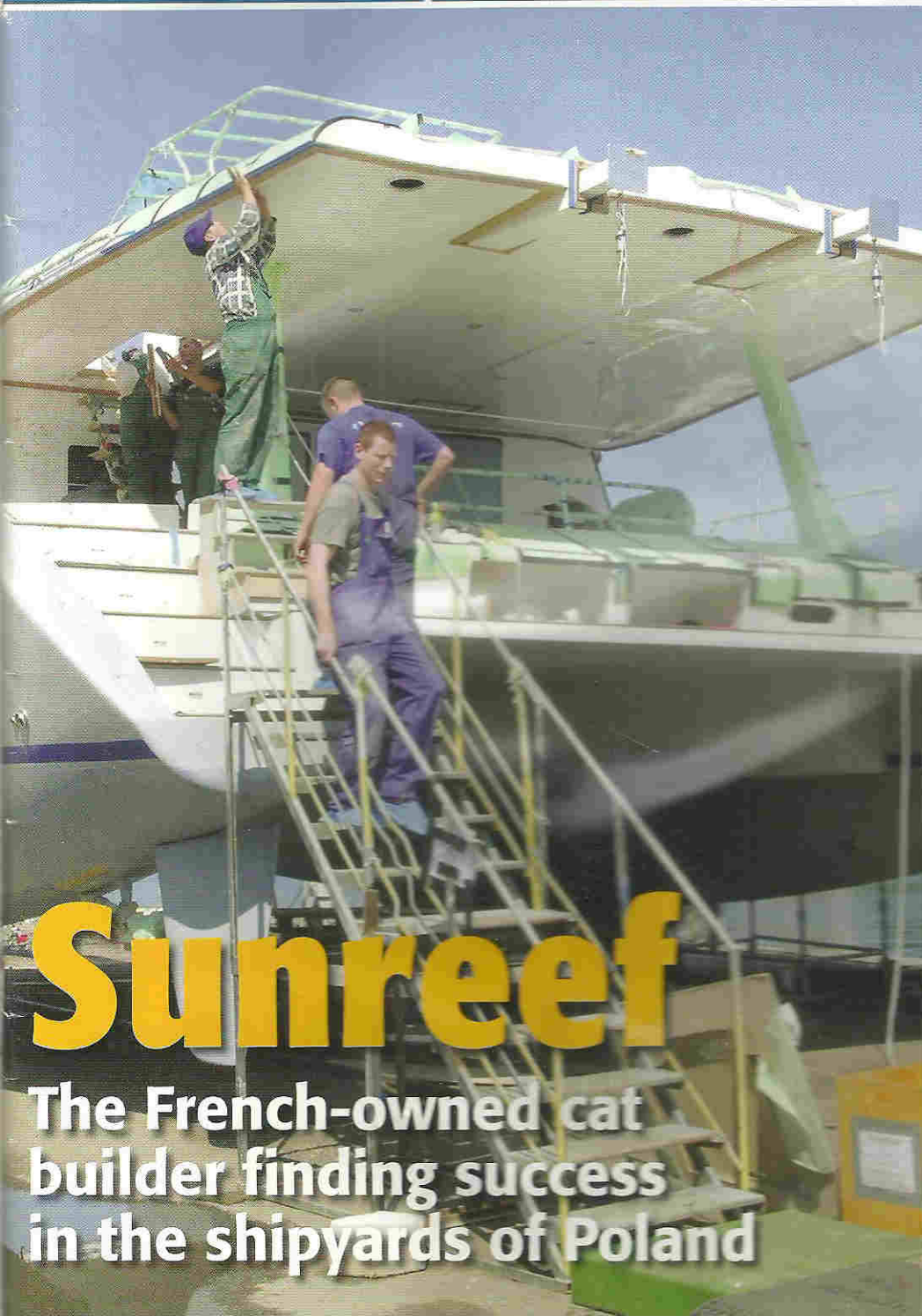
Intelligent navigation

Hybrid propulsion

Mochi Long Range 23

Exturn

Bolt-on thrusters



Sunreef

The French-owned cat builder finding success in the shipyards of Poland

PLUS INCORPORATING DIGITAL MANAGEMENT SYSTEMS – FULL REPORT



COVER

Sunreef Yachts – Cruising catamarans built by the French in Poland’s historic shipyards.

REGULARS

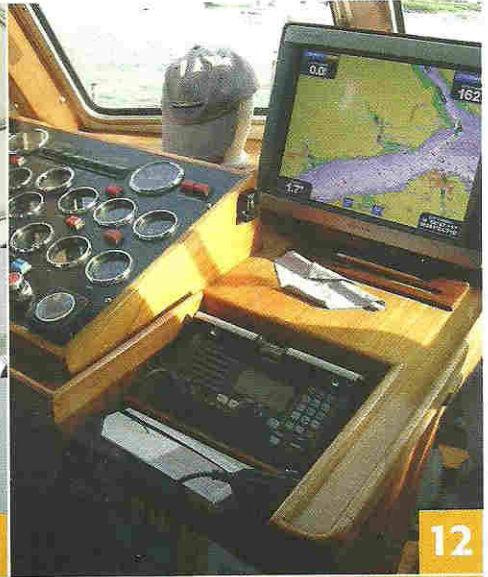
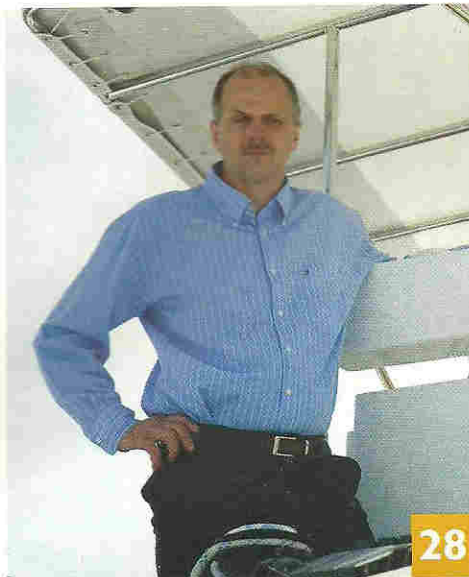
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Raimo Sonninen of Bella-Veneet talks to Tony Jones about facing up to the economic downturn.

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FEATURES

12 BLACK BOXES BLACKBALLED

Garmin has returned to the marine market with a vengeance and is now offering a full suite of easy to fit instruments with 'intelligent' touch-screen displays.

20 BACK TO THE FUTURE

A Swedish entrepreneur is about to launch a new classic based on the minimalist retro styling of the 1950s. His stylish new Golden Cut will be a wooden boat with a GRP hull.

22 BOLT-ON THRUSTER

Marinno from Austria has developed a new external thruster which, it claims, has all the power of an integral unit with the added attraction of time and cost savings.

24 SILENT RUNNING

Hybrid propulsion for production craft has come a little step closer with a new drive system that has been installed on Ferretti's latest expedition yacht the Mochi Long Range 23.

28 COVER STORY: SUNREEF YACHTS PIONEERING POLE CATS

Gdansk is helping a French-owned builder find success through a series of cruising flybridge catamarans starting at 18m (60ft) with intentions to grow to 45m (148ft).

46 IBEX PREVIEW

What to expect from the biggest show of the year, along with the latest news and details.

50 HIGH-WIRE ACT

Moving from electrical to digital boat management for all kinds of boats is possible right now. So why are the majority of builders still reluctant to use the systems that have helped to revolutionise the automotive industry?

European boatbuilder

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Alphacam

Software at Sunseeker

Tecnorib

Goes for digital switching

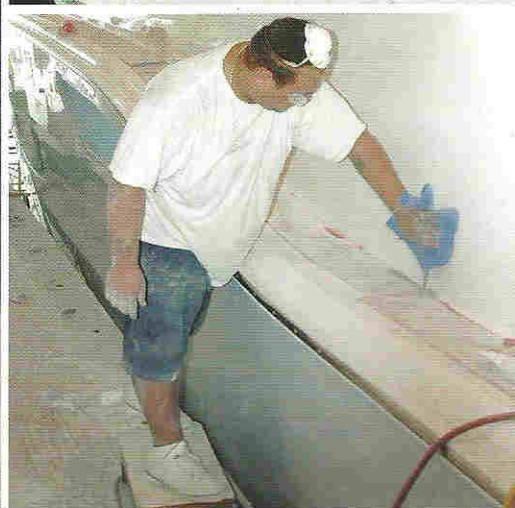
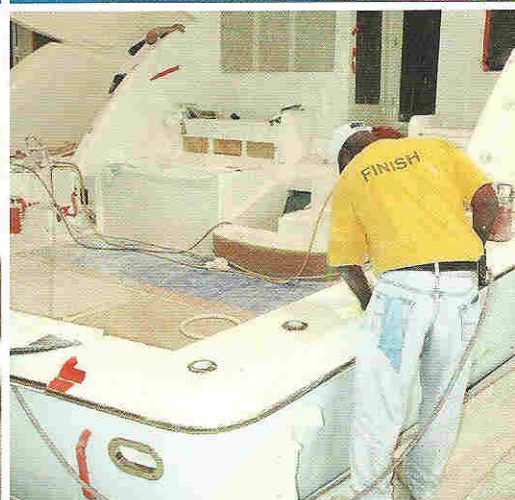
Nanotubes

The future of antifouling?



Bigger fish

Giovanni Vacchi reveals
Bertram Yacht's global
development strategy



PLUS WE REPORT ON THE LATEST BOAT-RECYCLING INITIATIVES AND COSTS



COVER STORY

Bertram Yachts — Europe's biggest builder, the Ferretti Group, is finding success with one of the most famous brands in the US market.

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Wïlan van den Berg
CEO of Dehler — the new owner of ETAP Yachting

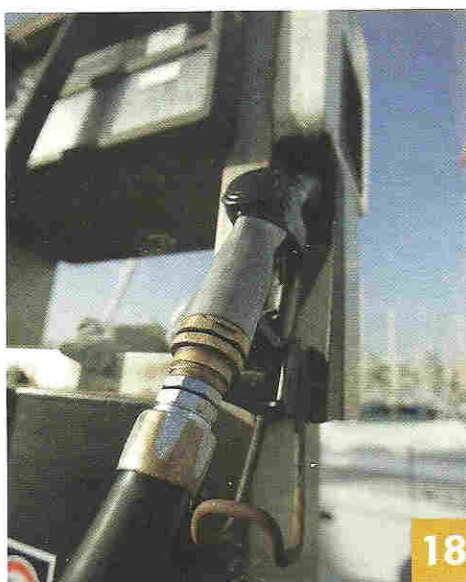
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JUNE/JULY 2008

COVER STORY:

DALLA PIETÀ YACHTS, ITALY



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FEATURES

14 PRECISION DECISION

Leading boatbuilder Sunseeker is using the latest CAD and CNC software from Alphacam to maximise and maintain the speed and quality of its production lines in the UK.

16 GOOD WOOD?

With Burmese teak becoming increasingly difficult to get hold of, new moves are being made to open up alternative supplies of sustainable, ethically produced, and equally high-quality teak timber from the forests of the Southern Sudan.

18 BIO-DIVERSITY, BIO-ADVERSITY

The EU is now insisting on the implementation of mandatory biofuel regulations by 2010. *EB* investigates how future legislation — and engine technology — will affect the market.

20 BREAKING STORY

Boatbuilders may be more responsible than they realise for the eventual recycling of their products. *EB* examines the latest cost assessments and European initiatives.

24 COVER STORY BERTRAM YACHTS: BIGGER FISH

Evolving sports-fishing designs into more family-friendly cruising craft is helping US builder Bertram Yacht — owned by Italy's Ferretti Group — to improve its export development strategy at a time when the domestic market continues to be sluggish.

40 SMOOTH OPERATORS

The future of antifouling systems and structural strengthening are about to be revolutionised by the impact of new technology — the use of carbon 'nanotubes'.

44 PZERO AND THE VALUE OF PI

Italian builder Tecnorib has teamed up with tyre giant Pirelli to produce a stunning new craft that incorporates a digital switching system that replaces traditional electro-mechanical switches and circuit breakers.

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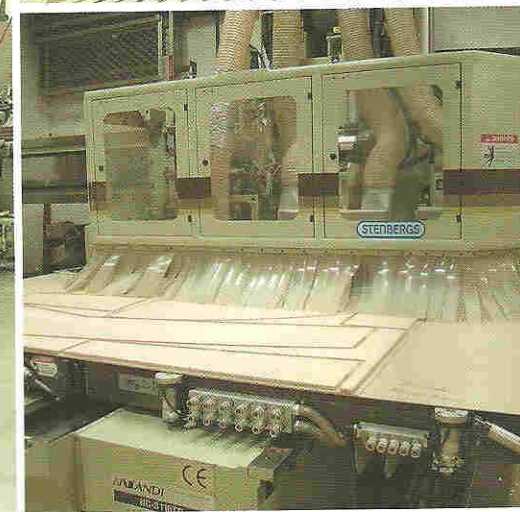
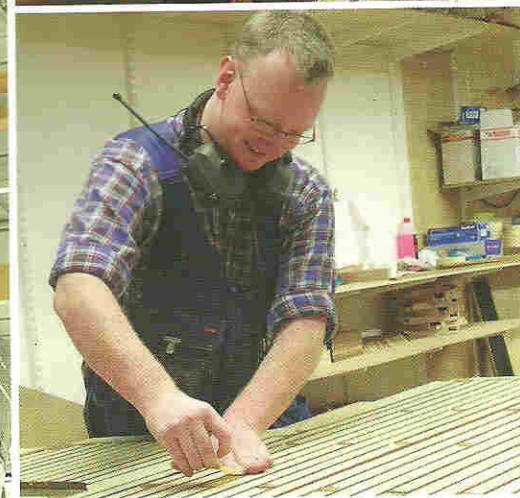
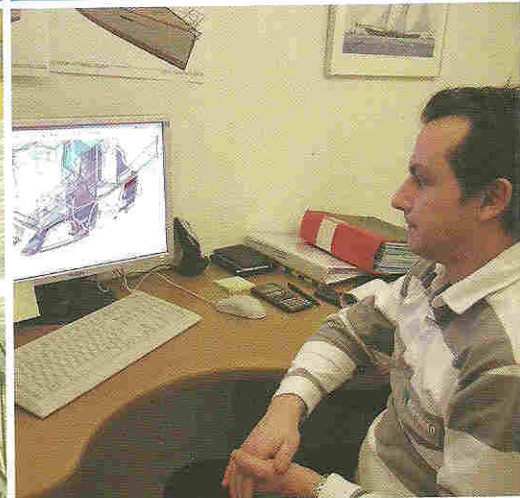
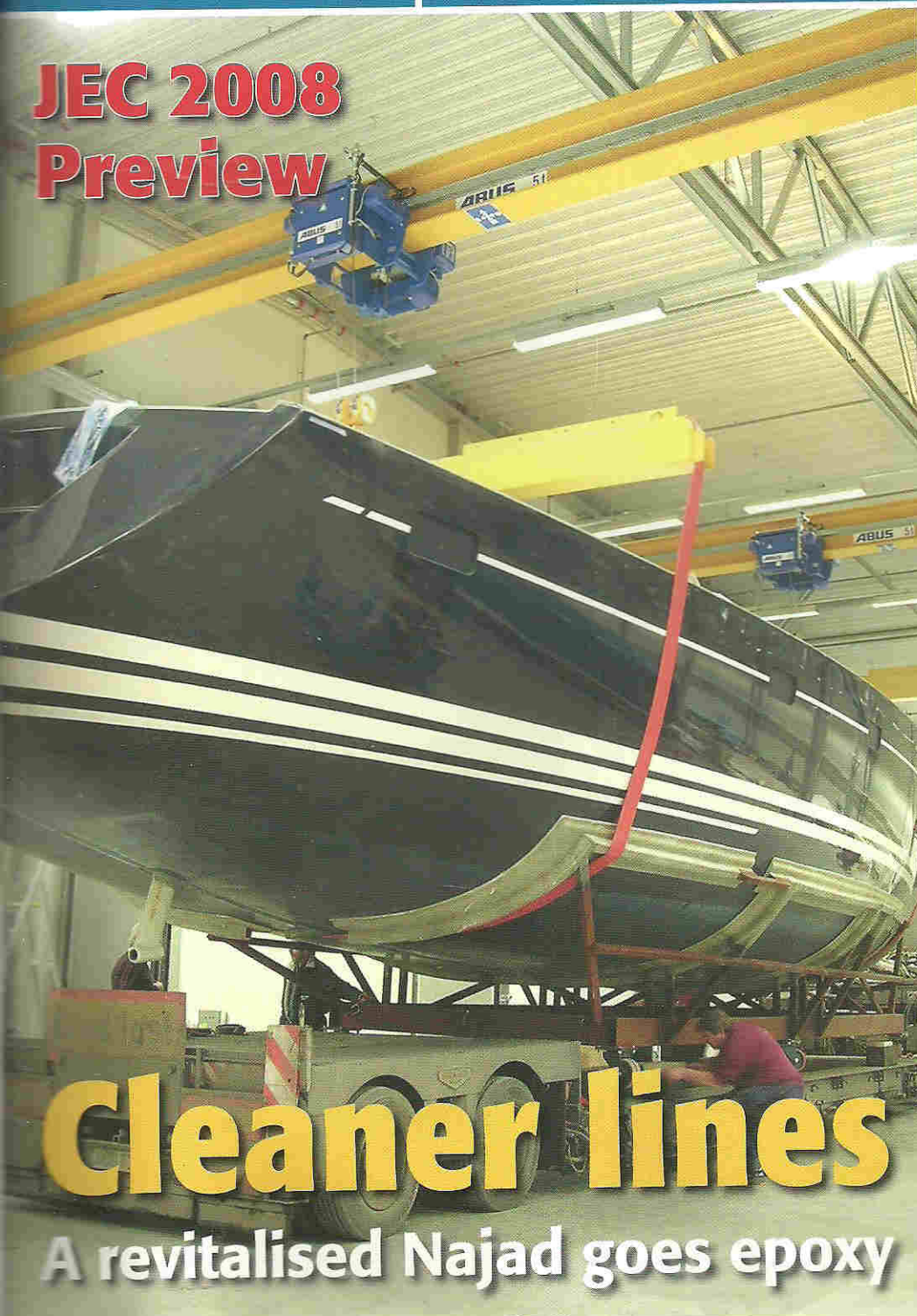
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Garry Hoyt
The 'Balanced Rig'

Seakeeper
Gyro-stabilizer

Rampf Tooling
And a Fabio Buzzi cat

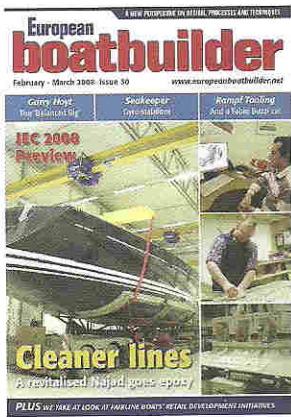
JEC 2008
Preview



Cleaner lines

A revitalised Najad goes epoxy

PLUS WE TAKE A LOOK AT FAIRLINE BOATS' RETAIL DEVELOPMENT INITIATIVES



COVER STORY

Najad – Sweden's iconic sailing cruiser brand is shaking off its traditional image by investing in new designs and modern construction methods.

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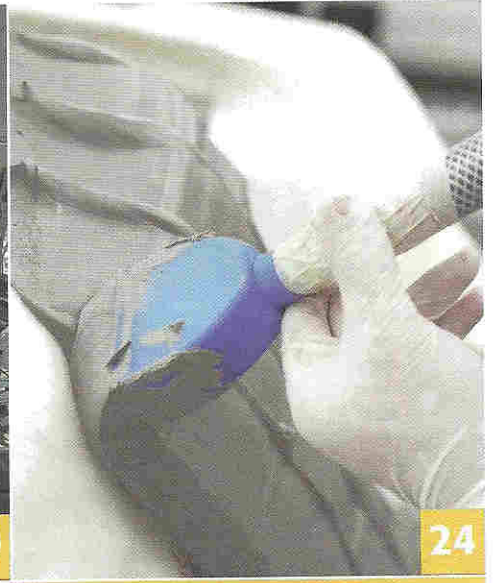
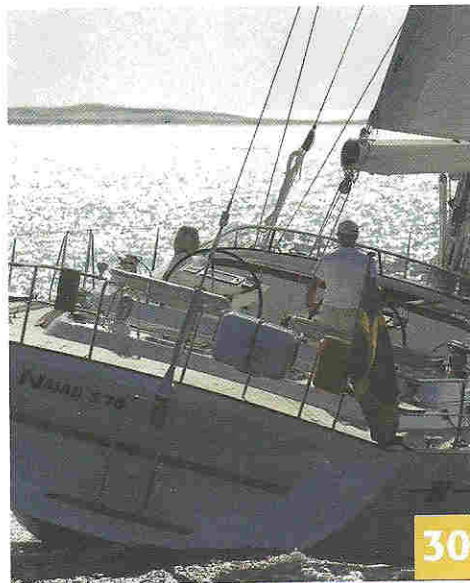
72 BACKLOG COLUMN
Ronny Skauen
– Sleipner/Side-Power

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APRIL/MAY 2008

COVER STORY: BERTRAM, USA



FEATURES

16 ROLL ON, ROLL OFF

US company Seakeeper has come up with a gyro-stabilizer that is claimed to rival Mitsubishi's ARG systems. It was developed in association with Azimut Yachts.

20 QUICK JOB

Italy's FB Design recently made use of Rampf Tooling's CP-6070 modelling paste.

22 POINT THE WAY

Proliner digital-measuring systems make life easier.

24 A GOOD PASTING

A new seamless modelling paste is put to good effect at El-Bo Produktion.

26 BALANCING ACT

The founder of Freedom Yachts, Garry Hoyt, has come up with another new easy-sail rig.

28 FEELING THE HEAT

Why SteamWood decks are gaining popularity in Scandinavia.

30 COVER STORY NAJAD: CLEANER LINES

Dutch entrepreneurs Alfred and Marianne van Wincoop have spent three years updating Sweden's distinguished sail cruiser brand Najad. Bob Greenwood reports on an image overhaul backed by bold ideas and ambitious investment.

50 COMPOSITES CENTRAL

A look at April's JEC Composites Show 2008, Paris.

54 ENVIRONMENTALLY FRIENDLY

Fairline is pressuring its dealers worldwide to deliver a consistent "brand experience".

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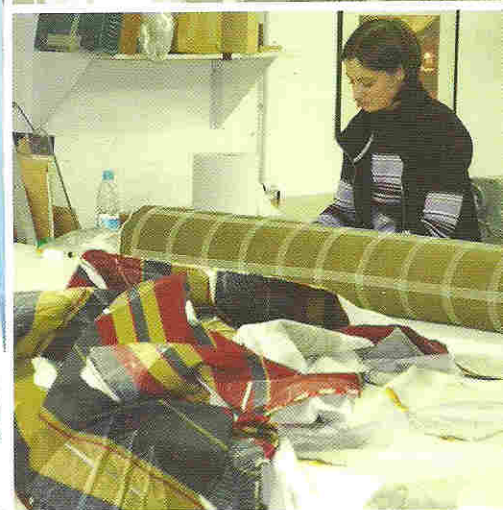
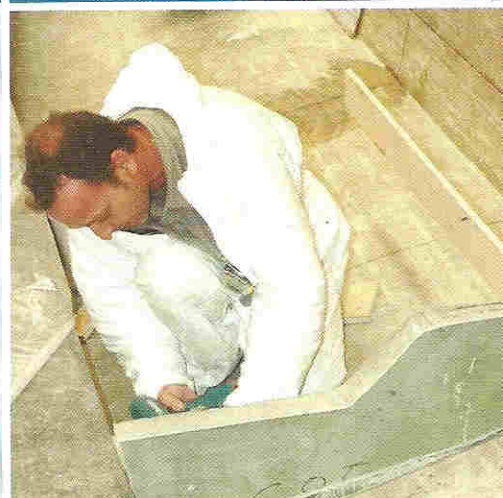
Raymarine
The G Series

Bolidt
Esthec decking

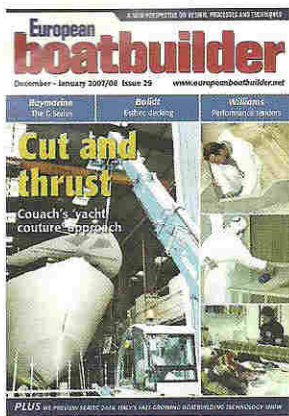
Williams
Performance tenders

Cut and thrust

Couach's 'yacht couture' approach



PLUS WE PREVIEW SEATEC 2008, ITALY'S FAST-GROWING BOATBUILDING TECHNOLOGY SHOW



COVER STORY

Couach – The ‘yacht couture’ motoryacht builder.



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Beschier Kik
– CEO, Vetus

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FEBRUARY/MARCH 2008

COVER STORY: NAJAD, SWEDEN

14 UNNATURAL DESIRE

Bolid's Esthec, a new synthetic decking material, looks like being a real alternative to teak.

16 SHOW PREVIEW: SEATEC 2008

With more than 800 exhibitors occupying four industry sector pavilions and 34,000m² of display space, Italy's Seatec is reinforcing its position as an industry show of real influence.

20 COVER STORY COUACH YACHTS: CUT AND THRUST

Promoting its capabilities as 'yacht couture', Couach, France's only significant big-motoryacht builder, continues to up its game. Beyond its existing planing range than extends from 19.5m-37m (64ft-121ft), it is also busy working on a new 42m-50m (138ft-164ft) Series, the first 50m orders of which are already well in hand. Phil Draper reports.

39 G FORCE

Raymarine's new G-Series displays are brighter and clearer than their forerunners and pack maximum display functions into minimum helm space. The system includes high-definition digital radar and sounding that's claimed to double the performance of analogue systems. Bob Greenwood went to Italy to see it in action.

44 YOUNG PRETENDER

Four years ago, no one had heard of Williams Performance Tenders. Now, from a small village on the outskirts of Oxford, UK, this young specialist builder of jet-driven RIBs has grabbed the attention of Europe's leading builders of production motoryachts to the point where is now delivering more than 700 units a year. How did this happen? Bob Greenwood reports.



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October - November 2007 Issue 28

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Flexitab

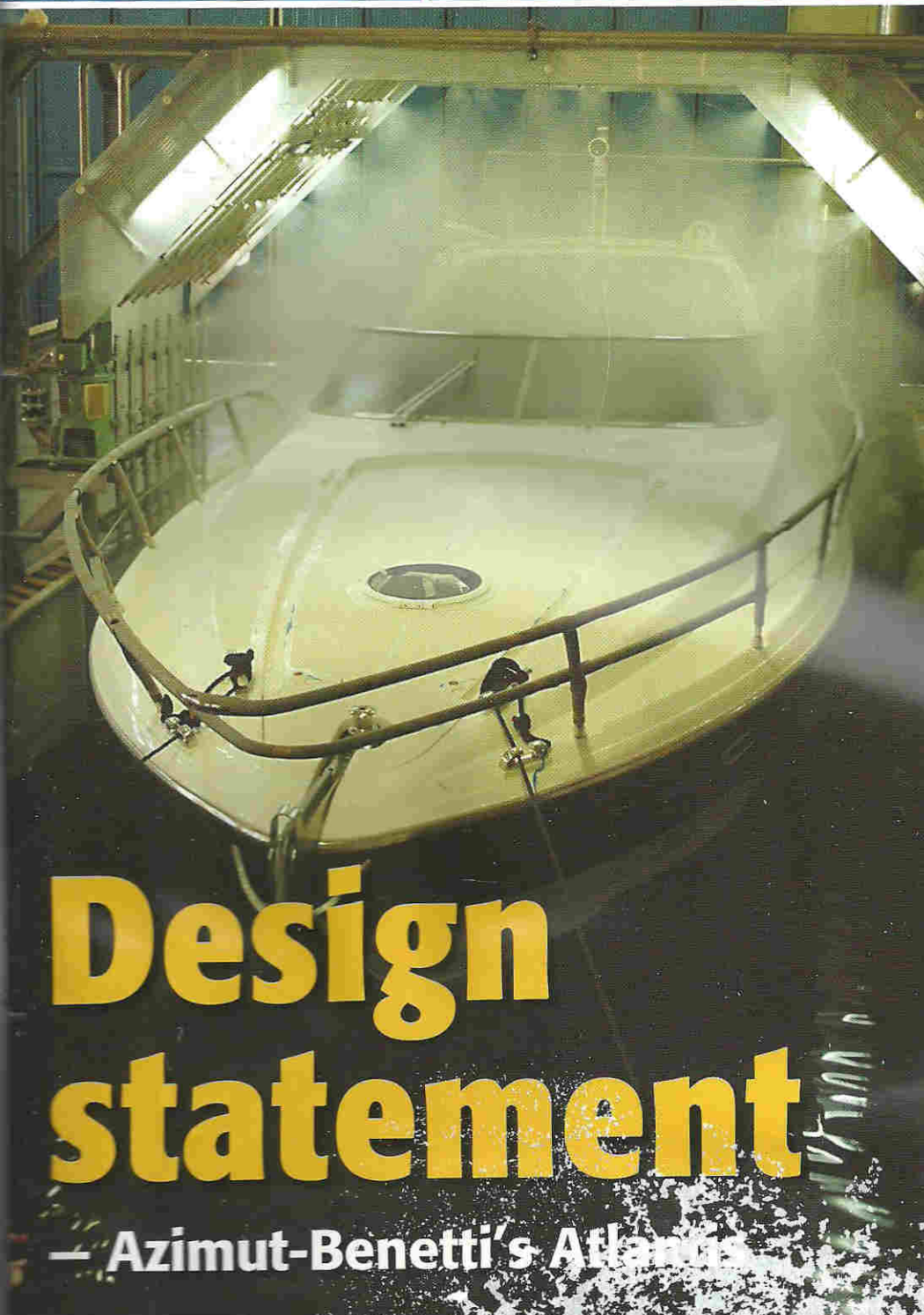
Motoryacht Flexidrives

SR Composites/Ashland

Spraymer vacuum bagging

Royal Tender

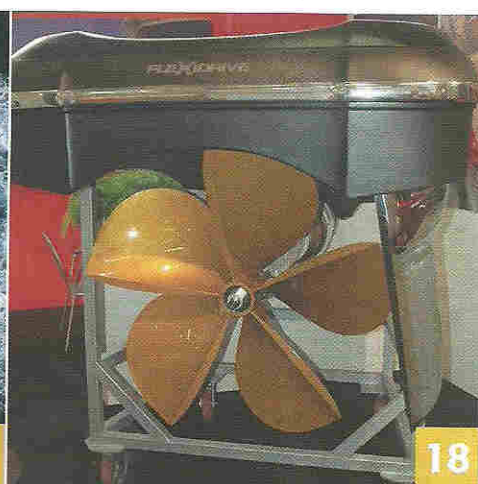
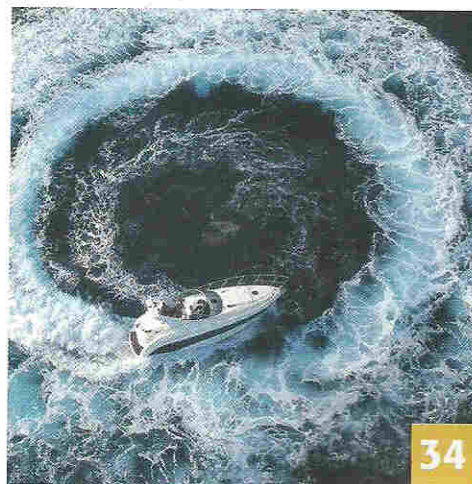
Waterborne limos



Design statement

— Azimut-Benetti's Atlantik

PLUS WE CHECK OUT RIB MARKET LEADER, COMPOSING EFFICIENT RFD OPERATION



FEATURES

18 SAME STING, LESS TAIL

Italian company Flexitab has come up with a big-boat version of its Flexidrive system, the Power 2000. The system deserves to do well as it not only offers top-end surface-piercing performance, but also slow-speed manoeuvrability, smooth transmission, and a lot less rooster-tail ostentation than some of the competition. Turkish builder Allen Yacht looks like being the first to install a twin-drive system aboard its new Metaphor 68 hardtop express. Phil Draper reports.

22 IT'S IN THE BAG

US laminate system specialist SR Composites has come up with Sprayomer, a spray-on, light-but-durable vacuum-bagging system that is re-useable. There is a lot going for it, as we discovered at an IBEX 2007 demonstration.

26 STRETCHING OUT

Danish builder Royal Tender is pushing the boundaries in a number of ways with its range of superyacht tenders.

30 SHOW PREVIEW: METS 2007 YET ANOTHER BLOCKBUSTER!

The world's biggest boating industry trade show reaches its 20th edition with what promises to be its biggest edition yet, as Bob Greenwood reports.

34 COVER STORY Design statement

When Azimut-Benetti acquired Piacenza-based Gobbi six years ago, it did so with a clear vision — not for the brand or model portfolio, but for the yard itself. Since then its series-building capabilities have been redirected away from the mainstream sportsboat scene toward a whole new range of bigger high-end sports cruisers and hardtop express models marketed under the brand Atlantis. Phil Draper reports.

58 CASH INJECTION

Zodiac is reinforcing its position as the world's largest producer of inflatables and RIBs with increased investment in RTM (resin transfer moulding) techniques at its Saint Jean d'Illac plant just outside Bordeaux. Bob Greenwood investigates.

COVER

The **Atlantis** facility near Piacenza, Italy, is sufficiently progressive to make use of a gelcoat-spraying robot and vacuum infusion techniques for its latest hulls.

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70 NEW PRODUCTS

84 BACKLOG COLUMN Ben Hall — Hall Spars & Rigging's vice-president

European Boatbuilder is published to serve the interests of professionals involved with the design and construction of pleasure boats and small commercial craft. The magazine also focuses on materials, components, tools and processes.

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European boatbuilder

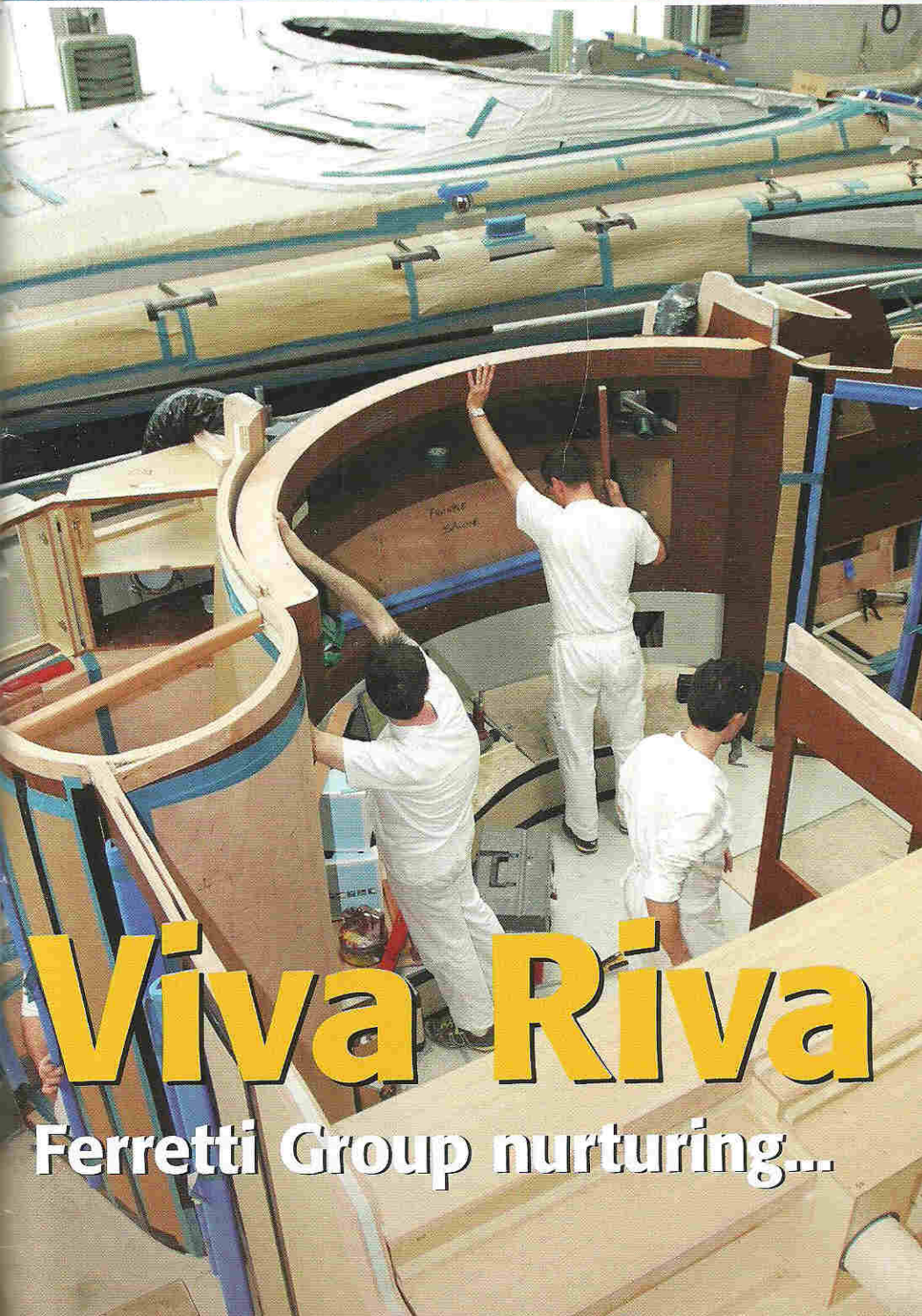
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Sealine
Reorganisation

Fora Marine
Plywood sailboats

BigHead
Poppit system



Viva Riva
Ferretti Group nurturing...

PLUS WE COMPARE NOTES ON EUROPE'S TOP 10 PRODUCTION BOATBUILDERS...



COVER

Riva SpA — Thriving once again under the Ferretti Group umbrella.

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Ronny Ledent
— Sales director at DSM Composites

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FEATURES

12 GREEN POWER

A recently delivered Moorings 4300 sailing cat built by Robertson & Caine in South Africa sports an efficient diesel-electric propulsion installation from on-board power specialist Glacier Bay. And more are planned.

14 DOWN AND OUT

CRN's project 121, the 54m (177ft) steel/aluminium motoryacht *Rasha*, due to launch later this year, will feature a fold-down balcony in her owner's cabin.

16 RUNNING ON RAILS

American motorboat builder Glacier Bay Catamarans has developed some hull-rail appendages for its power-cat cruisers that reduce roll and pitching in rough seas, as well as make for a drier, softer ride.

18 PANEL BEATING

British company Big-Head's new Poppit panel-fastening system offers to revolutionise the way boatbuilders handle wall panels and headlinings.

20 COVER STORY:

Viva Riva

Italian motorboat and motoryacht builder Riva, now under the inspired wing of the Ferretti Group, is back where it belongs — in the limelight and delivering superior products. Phil Draper reports.

38 EUROPE'S TOP 10: PRODUCTION BOATBUILDERS

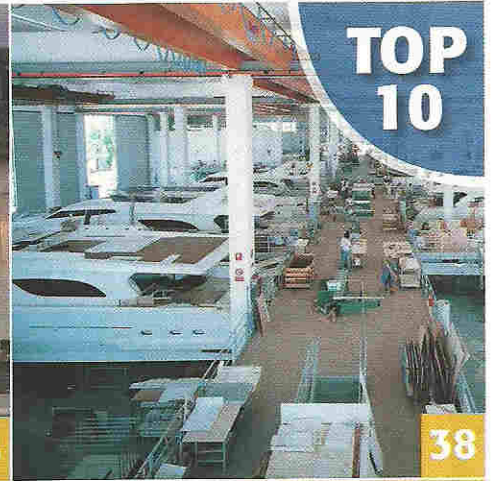
Europe's Top 10 production boatbuilding operations continue to go from strength to strength. Phil Draper and Bob Greenwood report.

54 LESS IS MORE

When car manufacturing executive Stephen Coultate took over the helm of UK powercruiser builder Sealine International a year ago, it didn't take him long to work out his priorities. A lean manufacturing implementation programme was top of the list, as Bob Greenwood reports.

58 TRADITIONAL PREMIUM

French builder Fora Marine has reinvented series building in plywood as viable modern alternative to the GRP. Bob Greenwood reports.



European boatbuilder

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FAIRLINE

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COVER

Fairline Boats — *lean manufacturing is transforming its operators*



FEATURES

14 Pod casts

Cummins MerCruiser Diesel has begun delivering the first few pre-production Zeus units. Phil Draper reports.

16 Quiet revolution

Fischer Panda now offers a complete diesel-electric propulsion package.

18 Brake horsepower

American company PWC Industries has not only developed a useful deceleration light kit for personal watercraft, but also an actual brake system, albeit one still at the prototype stage. Phil Draper reports.

20 COVER STORY

FAIRLINE BOATS: Chaired course

British motorcruiser and motoryacht builder Fairline Boats is only halfway into a three-year lean-manufacturing implementation, but already the pay-off is considerable. Sales and profits continue to climb, while the establishment remains the same. Phil Draper reports.

38 Furniture men

Having persuaded a large portion of the French production boatbuilding industry that it can save time and money by buying in its fitted joinery, Navi Line is now taking the message abroad. Bob Greenwood looks at an industrialised boat furniture manufacturing operation that is claimed to be unique and finds out what it offers its customers, and in particular what it has done for happy customer Rhéa Marine.

52 The sky's the limit

Having developed hard and soft tops for most of the world's prestige car brands, Italian specialist engineering company OPAC started 10 years ago to apply its expertise to the semi-production/custom end of the recreational marine industry. Bob Greenwood found out why the company is now first choice for many of the top power and sailing cruiser builders wanting to offer their customers the added luxury of open-top yachting.

**58 Show Preview: JEC 2007
The best yet?**

When it opens in Paris on April 3, the 2007 JEC Composites Show will be the biggest and most interactive edition to date. For the marine sector there promises to be more of interest than ever.

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— Marine industry consultant

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