

JURY REPORT

DAME DESIGN AWARDS 2024

JURY REPORT ON THE 2024 DAME DESIGN AWARDS

The 33rd DAME Design Award Winner, Category Winners, Special Mentions and Environmental Design Award winners for 2024 were announced at the Breakfast Briefing before the opening of the METSTRADE show, on Tuesday 19th November. This report provides more detail regarding the highlighted products, along with brief insights into the Jury's findings.

DAME DESIGN AWARDS

Great end-to-end design is vital to improve manufacturing efficiency and product reliability. It plays a key role in sustainability and enables the marine industry to match the experiences of its customers when engaging with products from exemplar sectors such as automotive and consumer electronics.

The DAME Design Awards raise awareness of the need for a total design approach to marine equipment design, from aesthetics to

functionality, integration to packaging and price efficiency to lifecycle management. It encourages continuous improvement and enables METSTRADE exhibitors from around the world to have their efforts assessed by experts and benchmarked in the marketplace.

This year the DAME Jury inspected 114 entries from 28 countries. It nominated a total of 58 products for inclusion in the DAME Design Awards showcase which were then entered in the final rounds of judging.

The Jury identified a winner for each of the eight DAME categories. From these an overall DAME Design Award winner was chosen. The Jury also identified nine Special Mentions (commended runner-up entries) and named two Environmental Design Award winners.

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CHAIR'S COMMENTS

Andre Hoek, chair of the DAME jury, stated: "It was very encouraging to see such a strong field of entries spanning the whole of the leisure marine sector, with products for people and the smallest boats right up to high-end superyacht equipment. In addition to genuine breakthrough launches, the Jury was equally pleased to see many products where designers have iteratively improved the user experience and exploited latest technologies to meet emerging demands. Smart design unlocks the door to a fully sustainable approach, in manufacturing, recyclability, longevity, usability and serviceability.

"Our focus was inevitably drawn towards the high number of entries driven by developing technologies that will serve the marine industry's future needs in areas such as electrification and networking. But in a close-run finish, it was an excellent new development in safety that was unanimously named outright winner of this year's awards. A perfect reminder of how we can never stop improving product categories that have been an essential part of boating for decades.

"I was once again grateful for the significant efforts and expertise of our jury members. There were several changes in the team for 2024. In seeking to add to our sustainability expertise we couldn't have wished for a better assessor of 114 environmental statements than Amy Munro. Olaf Bouwens provided welcome fresh insights as a passionate sailor and second year TU Delft Master's student in Integrated Product Design. We'll announce further details over the next year about a new student guest jury member programme that will add younger generational perspectives to balance the older heads in our team.

"We also welcomed electronics expert Ben Stein, to replace the invaluable input of Ben Ellison who retired from the Jury last year. Yacht designer Klaus Roeder was last on the DAME Jury in 2014 and kindly stepped in on behalf of ICOMIA's Technical Manager Patrick Hemp.

"On behalf of the Jury I offer congratulations to all companies who participated this year – we never take your efforts for granted."

DAME DESIGN AWARD WINNER 2024

TEAMO OFFSHORE 150N HI-LIFT LIFEJACKET & HARNESS

TeamO has dared to think different with its Hi-Lift 150N lifejacket. It has a twisted bladder design that moves most of the wasted buoyancy above the waterline of a conventional design to an inflated pillow on the users back. This directly lifts the upper torso out of the water and keeps the nose and mouth higher.

The wide set front of the jacket provides stability in the water and controls the orientation of the face and body in line with ISO Standards. The performance increase of the 150N Hi-Lift now outperforms the ISO standard for a 275N lifejacket.

The re-distribution of the bladder volume allows the product to be slimmer and sleeker when packed. The fit around the neck is designed to be comfortable during long periods of wear. Comfort is an essential feature of any personal flotation device, making it much more likely to be worn when on, and near, the water.

There's lots of good design detail in areas such as the adjustment buckles and ancillary attachment points and the lifejacket is supplied as standard with a light, whistle, spray hood and twin crotch straps. The Hi-Lift Offshore also includes TeamO's patented BackTow Technology A-frame style harness technology, designed to prevent tethered overboard casualty drowning.

In an age where the marine industry could be forgiven for being fully focused on new market drivers it is encouraging to see such a strong step forward in a vital long-standing element of leisure marine equipment. The 150N Hi-Lift Lifejacket & Harness is a very worthy overall winner of the DAME Design Awards 2024.

CATEGORY WINNERS

The DAME Jury identified a winner for each of the eight DAME categories and granted two Environmental Design Awards and nine Special Mentions.

The Category Winners are:

PERSONAL EQUIPMENT

Team0 Offshore 150N Hi-Lift Lifejacket & Harness

Teamo has dared to think different with the design of its Hi-Lift 150N lifejacket. Bladder buoyancy is comprehensively redistributed to provide an impressive improvement in the height of the wearer's mouth above the water, enabling the Hi-Lift to outperform a 275N lifejacket in terms of face protection. The Jury noted lots of additional design detail, including the integrated BackTow Technology harness for safer MOB retrieval and its comfortable styling, always encouraging use when on or near the water.



Stand 01.532

COMFORT & ENTERTAINMENT AFLOAT

Indel Webasto Marine Slim-Fit Cooling Unit

The design masterstroke of the Slim-Fit Cooling Unit is its evaporator, pre-connected to the compressor and charged with cooling gas. The evaporator's compact form enables installation in a coolbox through a relatively small hole. Fully factory sealed pipework enables easier use of eco-friendly R600 refrigerant gas, which is prone to leak to atmosphere through the traditional installation method of using quick fittings.



Stand 12.510

NAVIGATION & COMMUNICATION

Raymarine RSW Wired Smart Wind transducer

Raymarine's completely rethought approach to wind transducers is impressive at every level, from its ease of use and physical design to its pre-calibrated operating software. An integrated 3D motion sensor accounts for pitch and roll, delivering improved true-wind accuracy. Smart Wind technology compensates for mast twist and bend and up-wash against the sails. A great example of impressive holistic design effort.



Stand 01.111

ELECTRONIC & ELECTRIC SYSTEMS

Egis Mobile Electric XD Series NMEA-2000 Controllable Remote Battery Switching & Charge Management

The Jury's eyes were immediately drawn to this very nicely designed series of NMEA 2000 controllable battery management relays and switches that are much more compact than conventional battery controls. Front facing terminals offer the potential for easier installation and cable management despite the unit's compact form and multiple XD switches nest nicely together with short bus bars where needed. Manual override is easy to control. A great example of a well-conceived product.



Stand 02.114

PROPULSION & DYNAMICS

YANMAR Marine International E-Saildrive

The 7-15kW 48V E-saildrive fits on existing footprints as a drop-in replacement for combustion engines with no major structural changes needed to repower. At a stroke this eliminates a major obstacle for electrifying a large global fleet of Yanmar-equipped yachts of up to 40ft. The E-saildrive is noticeably well engineered, supported by Yanmar's global service network, and features an internal closed loop oil cooling system, further reducing installation time.



Stand 01.343

DECK EQUIPMENT

Karver Systems KJS12 Karver rope clutch

Every detail has clearly been studied by Karver's designers for the development of the compact KJS12 1.2T SWL rope clutch. The finished result offers improved durability and reduced rope wear, ease of serviceability and handling and incorporation of a colour-coding system. A trigger button design is used instead of clutch handles, and these can also be remotely operated from the cockpit. A worthy winner among many commendable entries in this category.



Stand 05.323

SHORESIDE EQUIPMENT & MATERIALS

North Sails NPL RENEW

Sailcloth is a key focus area for sustainability and the drive for new materials is gaining pace. North Sails sourced recycled polyester film and yarn, and bio-based Dyneema, without compromising performance, to create a highly durable cruising laminate cloth called RENEW. The supplier products are all Bluesign Certified and ISCC compliant to guarantee the validity of the sources and processes used in their manufacture.

Stand 10.220



SECURITY & SAFETY ABOARD

AirMarker R.Four

AirMarker features a 41cm luminous orange tethered signal balloon with an integrated light source. It inflates and rises from a portable housing when the integrated helium gas cylinders are triggered by twisting the base. It is tethered at altitude using a strong, lightweight leash, with a quoted flight duration of up to three days. A fascinating new addition to boat safety equipment, whether at sea or inland.



Stand 07.300D

ENVIRONMENTAL DESIGN AWARD WINNERS

CMP Group SMartyr SCP Anode

The SMartyr SCP Anode is based on compact impressed current cathodic protection, a technology proven in commercial maritime applications. This requires a small DC electrical current to work which is provided by integrated underwater solar power. The SMartyr protects vessels from galvanic corrosion while avoiding the release of harmful metals, such as cadmium and mercury, into the water. Installation is simple with a single bolt attachment option. Anticipated lifespan is two to three years. An excellent development from a major anode producing company offering a pathway to more sustainable solutions for cathodic protection in leisure marine.



Stand 01.615

YANMAR Marine International E-Saildrive

The 7-15kW 48V E-saildrive is noticeably well engineered, supported by Yanmar's global service network, and features an internal closed loop oil cooling system, further reducing installation time. So, much to admire, but the E-Saildrive specifically wins this DAME Environmental Award for its exciting potential to accelerate electrification in a very large global fleet of yachts. It fits on existing footprints as a drop-in replacement for combustion engines with no major structural changes needed to repower. At a stroke this eliminates a major obstacle for electrifying Yanmar saildrive-powered yachts of up to 40ft.



Stand 01.343

SPECIAL MENTIONS

PERSONAL EQUIPMENT

Henri-Lloyd Dynamic Motion

This range of clothing is lightweight and comfortable, with four-way stretch panels, while providing a very high level of weather protection. It is made from 100% recycled polyamide with a PFOA-free membrane and PFC-free double DWR coatings. The company admirably also offers repair services to further each garment's longevity. The Jury recognised Dynamic Motion for its desirability, usability and obvious step forward in sustainability.

Stand 03.512

COMFORT & ENTERTAINMENT AFLOAT

GN Espace Galley Solutions ECO Door

This straightforward insulated panel fits inside the front of GN Espace electric ovens, boosting heat retention. With it fitted a casserole first brought to simmer on the hob can continue slow cooking in the unpowered oven for 4-5 hours. A modern version of the traditional hay oven, reminding that old ideas are always worthy of fresh design consideration and the simplest ideas often have merit.

Stand 03.422

NAVIGATION & COMMUNICATION

Navico Group NSX ULTRAWIDE

With the smallest power boats now equipped with pseudo glass cockpits, what to fit to a wide but shallow dash? The NX Ultrawide answers that by filling the slim space with its single display. You can view charts, radar and other data full widescreen, but the Jury liked the ability of creating two windows side by side at a size still usable on a lively smaller craft. In effect a more efficient replacement for two small MFDs.

Stand 02.321

Raymarine Pathfinder Commercial Radar

Achieving CAT 2 and CAT 3 SOLAS approval opens the door for Raymarine's high-end solid state Pathfinder radars to be installed on coded superyachts. The antenna's visual design will enhance any mast, but the Jury also recognised further benefits compared to magnetron-based radars. These included durability, high azimuth resolution, weight reduction, lower acquisition and operational costs and reduced environmental impact.

Stand 02.321

ELECTRONIC & ELECTRIC SYSTEMS

Rondal Hydro Generator

If it is correct that what looks right, works right, then the beautifully crafted 9kW Hydro Generator will do a good job of generating maximum electricity for minimum drag on large yachts. Developed in collaboration with Royal Huisman Group,

Rondal tested the inefficiencies of propulsion-focused props and pods and undertook extensive testing with MARIN to evolve a better design for power generation. The Hydro Generator is Lloyds Register class approved and has a sacrificial leg.

Stand 09.107

PROPULSION & DYNAMICS

Mitek REVOLVE

A 'we haven't seen this before' talking point for the Jury, this 6hp-20hp electric drive system steers 90° either side of centre. The leg rotates up to stow in line with the transom, with the propeller clear of the water and easily inspected. Revolve is defined as a sterndrive by its manufacturer, but the motor is part of the leg more like an outboard, meaning no intrusion on interior space.

Stand 07.311

DECK EQUIPMENT

Ankerplex

A flat pack anchor with no fixings sounds improbable, until you try putting it together and realise it provides a fascinating answer for an easily stowed spare anchor or kedge. Formed of three interlocking plates, the design feels appropriately secure when assembled. It also offers obvious reductions in manufacturing impact with no welding involved. There are stainless steel, galvanised steel and aluminium options, in weights between 1.5kg-27.2kg.

Stand 07.505

SECURITY & SAFETY ABOARD

CMP Group SMartyr SCP Anode

A compact marine anode solution combining underwater solar power and impressed current cathodic protection. The SMartyr protects vessels from galvanic corrosion while avoiding the release of harmful metals such as cadmium and mercury, into the water. Installation is simple with a single bolt attachment option. Anticipated lifespan is two to three years. An excellent development from an obviously future facing traditional anode manufacturer.

Stand 01.615

Ocean Signal ACR ResQFlare Pro

This waterproof and buoyant distress signal features red-orange and cyan LEDs combined with an infrared component, to improve daytime visibility and register on thermal imaging cameras. The ResQFlare PRO offers substantial operational life of at least 2.5 hours and, combined with a supplied distress flag, is certified to meet US Coast Guard standards as a replacement for pyrotechnic flares.

Stand 03.432

DAME JURY 2024

This year's DAME Jury comprised:



Andre Hoek (chair)

Naval architect and yacht designer,
founder of Hoek Design and Hoek
Brokerage, The Netherlands



Olaf Bouwens (student)

Master's in Integrated Product Design
at TUDelft, The Netherlands



Davide Cipriani

Boat and industrial designer,
president of yacht design at
CentrostileDesign, Italy



Rory Coase

Yacht designer,
Coase Design, Norway



Ben Stein

Editor of Panbo marine
electronics hub, USA



Arjen Jansen

Associate professor, school for
Industrial Design Engineering
at TUDelft, The Netherlands



Amy Munro

Sustainability consultant,
Foxall Munro, UK



Olivier Racoupeau

Naval architect and boat designer,
founder and owner of Berret
Racoupeau Yachts, France
(attended remotely)



Klaus Roeder

Yacht designer and surveyor,
Technical Consultant DBSV ICOMIA,
Germany

The DAME Jury is supported by a non-voting secretary, Kim Hollamby of Hollamby Partnership, UK



Read more about the DAME Jury here: damedesignawards.com/jury

DAME 2024 NOMINATIONS, SPECIAL MENTIONS AND WINNERS

CATEGORY 1. PERSONAL EQUIPMENT

Product	Company	Stand
Cool Cap Bump Shell	Forward WIP	12.412
Dynamic Motion	Henri-Lloyd	● 03.512
Icom IP-M60 LTE and VHF marine hybrid transceiver	ICOM Inc.	01.151
Team0 Offshore 150N Hi-Lift Lifejacket & Harness	Team0 Marine Safety Products Ltd	01.532
DECK SAFETY SHOE	TOIO	07.414

CATEGORY 2. COMFORT & ENTERTAINMENT AFLOAT

Product	Company	Stand
Helm Seat Manta	Besenzoni S.P.A.	12.212
EcoFlow AC Controller	Blue-Airco S.r.l.	07.419
Platinum Marine Electric Heater	Bromic Outdoor Heating	09.006
Fusion Apollo™ Speakers & Subwoofers	Fusion Entertainment	01.150
ECO Door	GN Espace Galley Solutions Ltd.	● 03.422
Slim-Fit Cooling Unit	Indel Webasto Marine S.r.l.	● 12.510
Tides Winch Seat	Tides AS	01.663
Enteron® 50 single	Tom Logisch GmbH	05.513

CATEGORY 3. NAVIGATION & COMMUNICATION

Product	Company	Stand
Digital Yacht OneFix Precision GNSS System	Digital Yacht Ltd	01.533
NavNet TZtouchXL - TZT16X	Furuno Electric Co. Ltd.	01.141
Panoptix™ PS70 Transducer	Garmin Europe	01.103
GC™ 245 Surface Mount Camera & GC™ 255 Flush Mount Camera	Garmin Europe	01.103
MADBrain AI	MADINTEC	05.231
NSX ULTRAWIDE	Navico Group	● 02.321
RSW Wired Smart Wind transducer	Raymarine	● 01.111
Raymarine Pathfinder Commercial Radar	Raymarine	● 01.111
SEA.AI BRAIN	SEA.AI GmbH	01.513

CATEGORY 4. ELECTRONIC & ELECTRIC SYSTEMS

Product	Company	Stand
NICOLE WW	B LIGHT	11.207
XD Series NMEA-2000 Controllable Remote Battery Switching & Charge Management	Egis Mobile	● 02.114
Marine Terminal (MT) Series 12 Position Sealed Fuse / Circuit Breaker Blocks	Egis Mobile	02.114
MConnect	Maretron	01.113
Hydro Generator	Rondal	● 09.107
STARSHIP	Safiery Pty Ltd	07.624
VMH Flex	Veratron AG	01.121

CATEGORY 5. PROPULSION & DYNAMICS

Product	Company	Stand
Dockmate DPS V2	Dockmate	01.721
ePropulsion eLite Electric Outboard Motor	ePropulsion Technology Limited	06.301
Electric Steer	Jefa Steering A/S	12.540
REVOLVE	Mitek S.r.l.	● 07.311
Lenco Pro Control	Navico Group	02.321
SHARROW X10™	Sharrow Marine, LLC	05.413
Momentum M10	The Kinetic Option Pte. Ltd.	07.410
E-Saildrive	YANMAR Marine International B.V.	● ● 01.343

CATEGORY 6. DECK EQUIPMENT

Product	Company	Stand
Ankerplex	Ankerplex	● 07.505
Spinner	Antal	02.514
ULTRA Stockless Anchor	Boyut Makina	02.130
Fatigue Monitoring System	Cyclops Marine	03.211
E-Step	Douglas Marine	12.330
Olli block	Easyssea	05.470
KJS12 Karver rope clutch	Karver Systems	● 05.323
Ultra Low Profile Hatch	Lippert Marine Group Europe	12.502
Railing 2.0	MEOS GmbH	10.601
RP Switch Lead	Rigging Projects	01.540
X-Fender Boat Fender	X-Fender Oy	07.300B

CATEGORY 7. SECURITY & SAFETY ABOARD

Product	Company	Stand
AirMarker R.Four	AirMarker AG	● 07.300D
SMartyr SCP Anode	CMP Group Ltd.	● ● 01.615
Digital Yacht MOB Alert	Digital Yacht Ltd	01.533
ACR ResQFlare Pro	Ocean Signal Ltd.	● 03.432
Safety Drone	Veleria San Giorgio S.r.l.	12.202

CATEGORY 8. SHORESIDE EQUIPMENT & MATERIALS

Product	Company	Stand
Ecodeck® Highgloss	Werkvregude / EcoDeck	10.502
Flexiteek	Flexiteek / Wilks	03.400
Nuteak XT	ICA Group / Nautikflor - Nuteak	02.303
Spot Zero Mobile Pro	Spot Zero	03.130
NPL RENEW	North Sails	● 10.220

● Environmental Award
 ● Special Mention
 ● DAME Design Award Winner 2024

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