

EDSON Since 1859
Making Adventures Happen

Custom Steering Systems for Superyachts



Edson Custom Steering Systems



ADELE - 55 METER - VITTERS

Since 1859, the Edson Corporation has been outfitting the world's grandest yachts with custom steering systems and wheels. For over 158 years, our attention to detail, quality and workmanship has been unwavering.

***Edson Wheels graced the worlds
finest yachts then...***

Just as they do now!



METEOR - 1902

SOJANA - 2007

Why Choose the Edson Team?

Our team has decades of experience in all areas of marine design, engineering and construction including:

***Naval Architecture • Marine Engineering • Boat Building
Repair and Maintenance • Materials • Innovation***

Edson's Design and Custom Fabrication personnel pride themselves in the success they have had in producing systems for the particular requirements of a large variety of successful ocean going yachts:

***America's Cup • BT Challenge • Volvo Ocean Race • One-Design Racers
Megayachts • Single-Handed Circumnavigators • Global Expedition Yachts • J-Class Yachts***

***Edson is the worldwide leader in complete steering systems designed for:
Production • Cruising • Racing • IRC • One-Design***

LIONHEART

SOJANA

PINK GIN

ELFJE

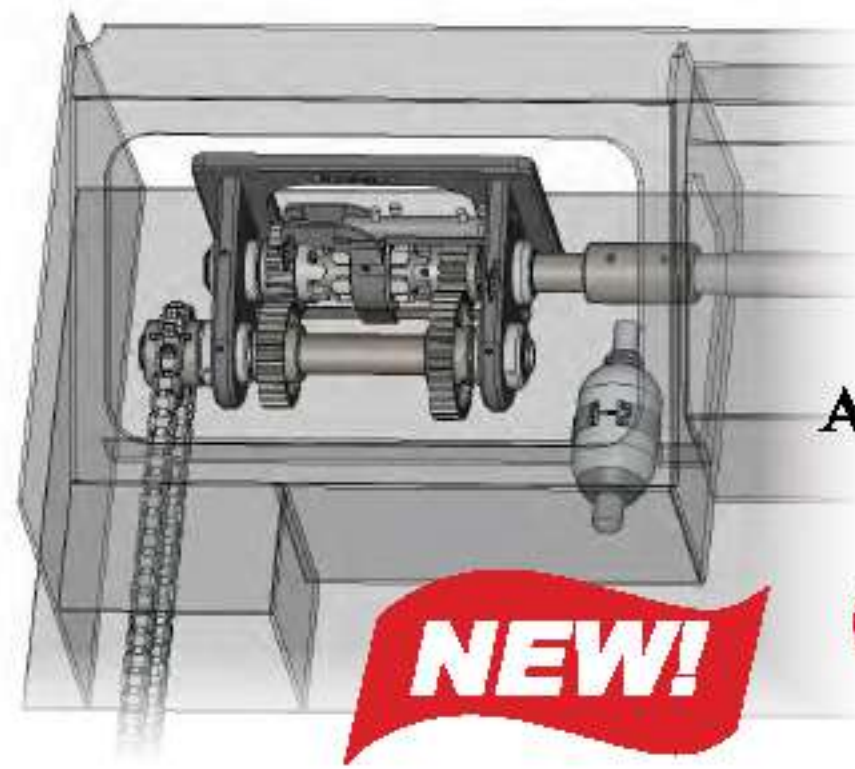
SVEA





Wisp - Photo Courtesy of Royal Huisman

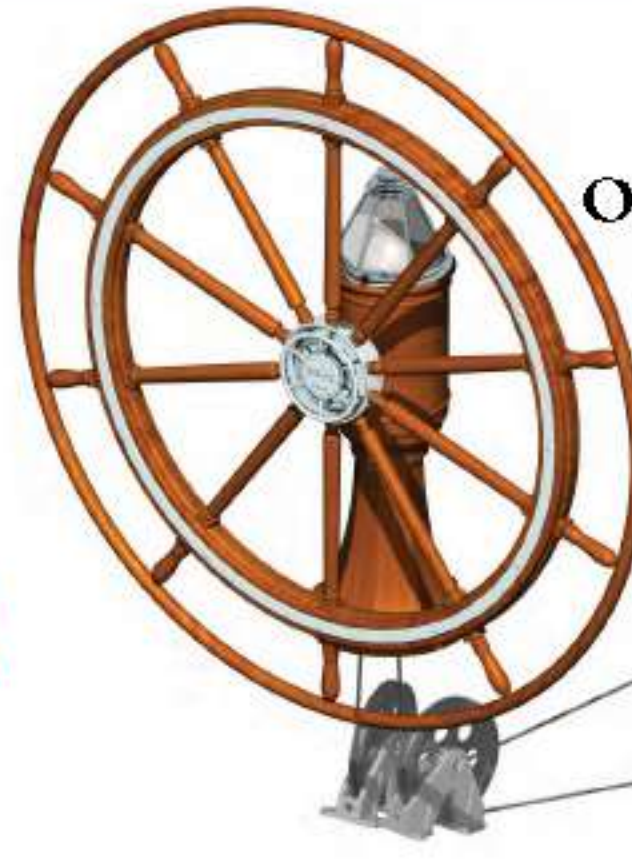
Services & Presentation



**TWO-SPEED STEERING
GEAR BOXES WITH
AUTOPILOT CLUTCH AND
POWER-LOSS FAILSAFE**

AND LLOYD'S APPROVED

NEW!



**CUSTOM
ONE-OFF WHEELS &
PEDESTALS**



**CUSTOM
STEERING
ARRANGEMENTS**



**CUSTOM STEERING
HARDWARE & FITTINGS**



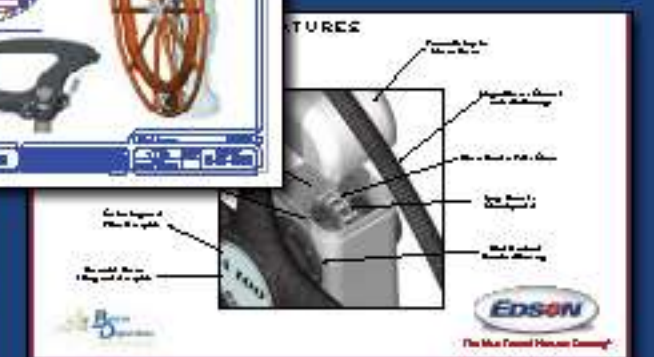
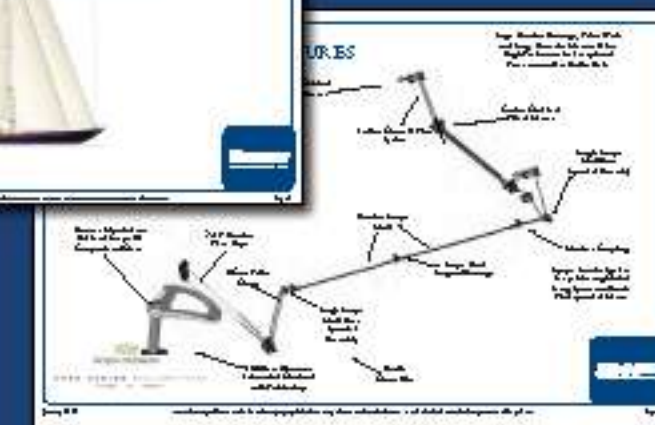
**AUTOPILOT
INTEGRATION**

**CUSTOM
MULTI-MODE
GEARED STEERERS**



From the earliest stages of the design process, Edson can provide early concepts for Custom Steering arrangements, including drawings and 3D renderings that can be assimilated into the designers drawings. Involving Edson early in the overall design process allows for the most options and top efficiency of this critical system.

After an engineering analysis and preliminary steering design, we will provide a customized Steering System Proposal complete with system drawings, steering load calculations and 3D renderings showing the proposed system installed in your boat (if 3D drawings have been provided.) A system quote will also be provided at this point to give you an idea of the costs of the complete system. The designer, builder and owner can then review this packet and make any necessary changes, which will be incorporated into a revised system specification.





"Steer a 140 footer with your fingertips? you bet. Edson's Multi-Mode steerer brings the feel and sensitivity of a 40' boat to a maxi."

Bill Tripp - Designer - Mystere

Recent Projects

Edson International completed the steering system to control one of Royal Huisman's latest project #398: Ngoni, otherwise known as "The Beast." Edson's innovative and reliable mechanical steering will deliver the ultimate control at the helm of this high-performance sloop, allowing the owner to feel the heartbeat of their yacht.

Ngoni



PHOTO COURTESY OF DUBOIS NAVAL ARCHITECTS LTD. ROYAL HUISMAN

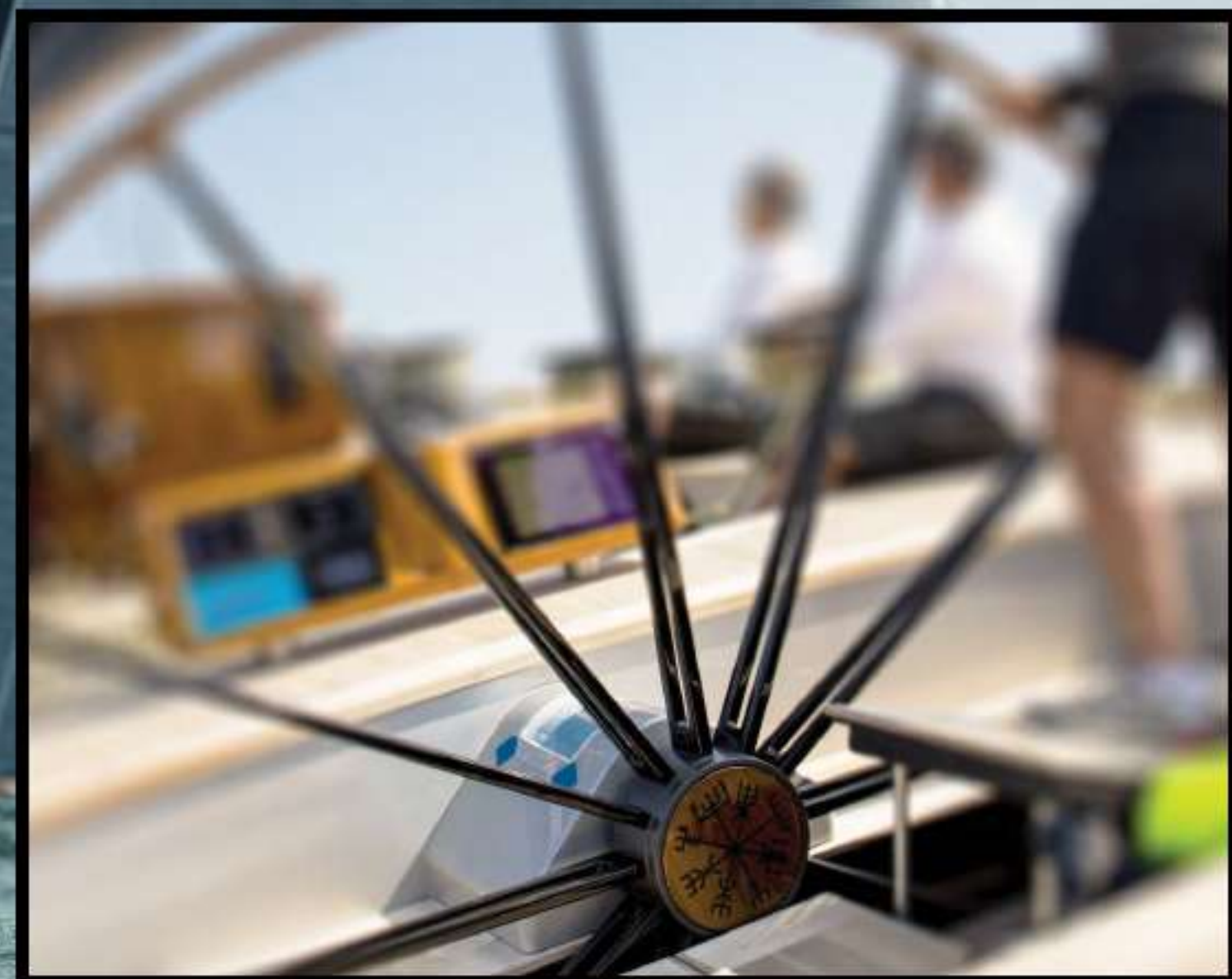


Recent Projects

SVEA



Svea is one of Edson's most recent projects to add to the list. Tasked to specially design a clutch steerer that could handle a sunken 8ft diameter wheel. With limited space, chain gearing was chosen to make the steerer as compact as possible.



Completed Projects

Yacht Name	Length	Builder	Naval Architect
ANTONISA	38m (125')	Hodgdon Yachts	Bruce King
VICTORIA OF STRATHEARN	41m (135')	Alloy Yachts	Bill Langan
PINK GIN I	30m (97')	Baltic Yachts	Judel/Vrolijk
SOJANA	35m (115')	Green Marine	Farr Yacht Design
VISIONE	45m (147')	Baltic Yachts	Judel/Vrolijk
LEOPARD OF LONDON	28m (90')	Green Marine	Reichel/Pugh
SCORPIONE DEI MARI	29m (95')	Jongert	Castro
MOTORYACHT	38m (125')	Burger Boat Co.	
ADELE	55m (180')	Vitters Shipyard	Hoek Design
MYSTERE	43m (141')	Vitters Shipyard	Tripp Design
PINK GIN II	47m (152')	Baltic Yachts	Judel/Vrolijk
SIZZLER	18m (60')	Resort Boat Shop	Castro
GAIA	31m (100')	Spirit Yachts	Spirit Design
ERICA (BOREAS)	52m (171')	Vitters Shipyard	Hoek Design
INMOCEAN	41m (135')	Fitzroy Yachts	Dubois Naval Architects
CINDERELLA IV	38m (125')	Vitters Shipyard	Tripp Design
PUMA - VOLVO 70	21m (70')	Goetz Marine	Botin & Carkeek
LADY B	44 m (144')	Vitters Shipyard	Dubois Naval Architects
CANOVA	34m (112')	Baltic Yachts	Judel/Vrolijk
FIREFLY	35m (115')	Claasen Jachtbouw	Hoek Design
LIONHEART J-Class	40m (130')	Claasen Jachtbouw	Hoek Design
RAINBOW J-Class	40m (131')	Holland Jachtbouw	Dykstra & Partners
HETAIROS	61m (200')	Baltic Yachts	Dykstra & Partners/Reichel Pugh
SONNY *Refit	16m (53')	East Passage Boatwrights	Sparkman & Stephens
SKYLARK *Refit	16m (53')	East Passage Boatwrights	Sparkman & Stephens
DENIS SULLIVAN	42m (137')	WLSEA	Graul Marine Services
SPIRIT 56	17m (56')	Spirit Yachts	Spirit Design
TRADEWIND Alden 62 *Refit	19m (62')	Rockport Marine	Alden
GUNBOAT 66	20m (66')	Gunboat	Morrelli & Melvin
AEGIR	25m (82')	Carbon Ocean Yachts	Rogers Yacht Design
GUNBOAT 60	18m (60')	Gunboat	Nigel Irens

Completed Projects

Yacht Name	Length	Builder	Naval Architect
SYCARA IV	46m (151')	Burger Boat Co.	Bruce King Yacht Design
PELAGIC AUSTRALIS	23m (74')	Southern African Shipyards	Tony Castro
USCG LEADERSHIP 44	13m (44')	Morris Yachts	David Pedrick
BT GLOBAL CHALLENGE FLEET	20M (60')	Colvic Craft	Pedrick
CLIPPER CHALLENGE FLEET	21m (68')	SDHY	Dubois Naval Architects
SUNSHINE	27m (90')	Gunboat	Morrelli & Melvin
KIWI SPIRIT	19m (63')	Lyman Morse	Farr Yacht Design
FRIENDSHIP 36	11m (36')	Rockport Marine	Fontaine Design Group
AMISTAD	39m (129')	Mystic Seaport	Tri-Coastal Marine
CLIPPER CHALLENGE 72	22m (72')	Clipper Ventures	Tony Castro
VICTORY 83 *Refit	20m (65')	Loughborough	Gretzky/Van Gorkom
OYSTER 885	27m (89')	Oyster Yachts	Rob Humphreys
PROJECT 393: Wisp	48m (156')	Royal Huisman	Hoek Design
BLUE MARLIN *Refit	21m (70')	Red Sky	C.E. Nicholson / D. Pedrick
BLUE JACKET	12m (40')	Traditional Watercraft	Tim Jackett
SILENT MAID *Refit	10m (33')	ISM	Frances Sweisguth
PROJECT 392: Elfje	46m (152')	Royal Huisman	Hoek Design
ATALANTE	38m (126')	Claasen	Hoek Design
PROJECT 398	58m (190')	Royal Huisman	Dubois Naval Architects
GUNBOAT 78	24m (78')	Gunboat	Nigel Irens
SANTANA *Refit	17m (55')	LMI	Sparkman and Stephens
SVEA J-Class	44m (143')	Classen/Vitters	Hoek Design
PROJECT 399	56m (184')	Royal Huisman	Dykstra Naval Architects
TRULY CLASSIC 128	39m (128')	Pendennis	Hoek Design
GUNBOAT 55	17m (55')	Brondbill Marine	Nigel Irens Design
BRAVEHEART *Refit	23m (75')	Dutch Built Yacht	Hoek Design
SONNY 3 (Build in process)	28m (91')	Brooklin Boat Yard	Brooklyn Design Office
SAPHIRA (Build in process)	21m (70')	Goetz	Chris White Design
ATLANTIC 72 (Build in process)	22m (72')	Aquidneck Custom	Chris White Design

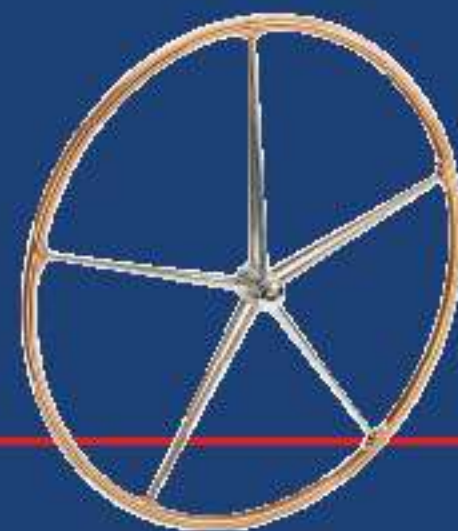
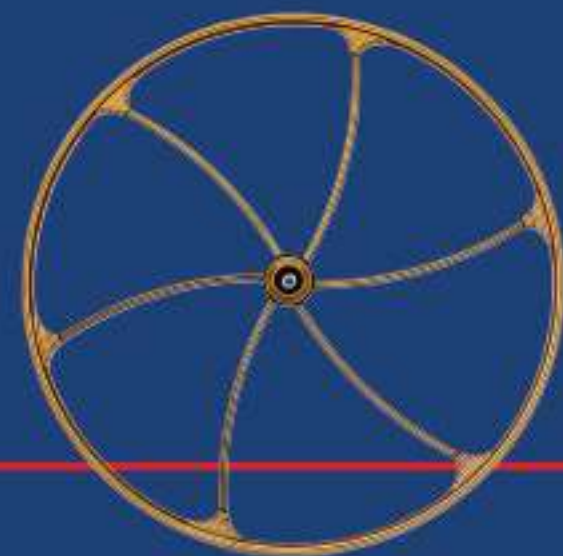
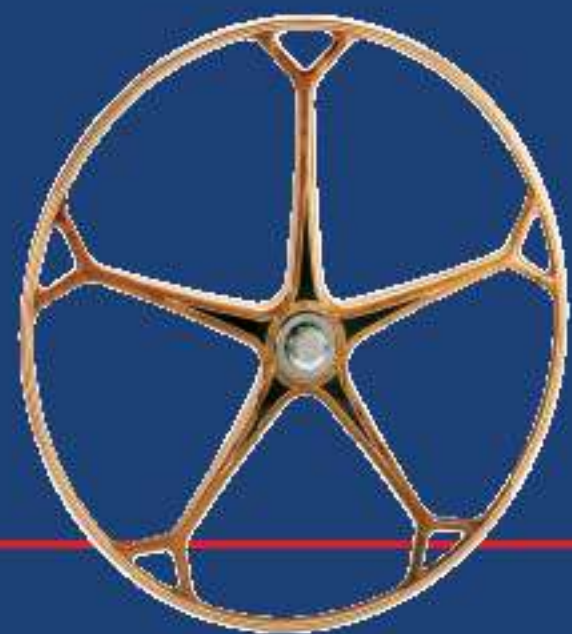
Edson has provided custom steering systems to these projects and many more!

Distinctive Yacht Wheels

The vision in your mind is clear...

A yacht built exactly the way you want it -- unlike any other in the world. Three years of planning, building and outfitting will go into creating your dream...

Add the finishing touch with an exquisite wheel that becomes the focal point of your dream vessel.



Distinctive Yacht Wheels



Baltic Yacht's 46m (152') combines classic styling with the most modern technology available. The steering was designed to give the helmsman sensitivity and feedback unequalled in a yacht of this size. Twin composite wheels epitomize elegance and traditional design.

Twin Teak, Holly, Carbon Laminate Wheels - Multi-Mode Steerer

Distinctive Yacht Wheels



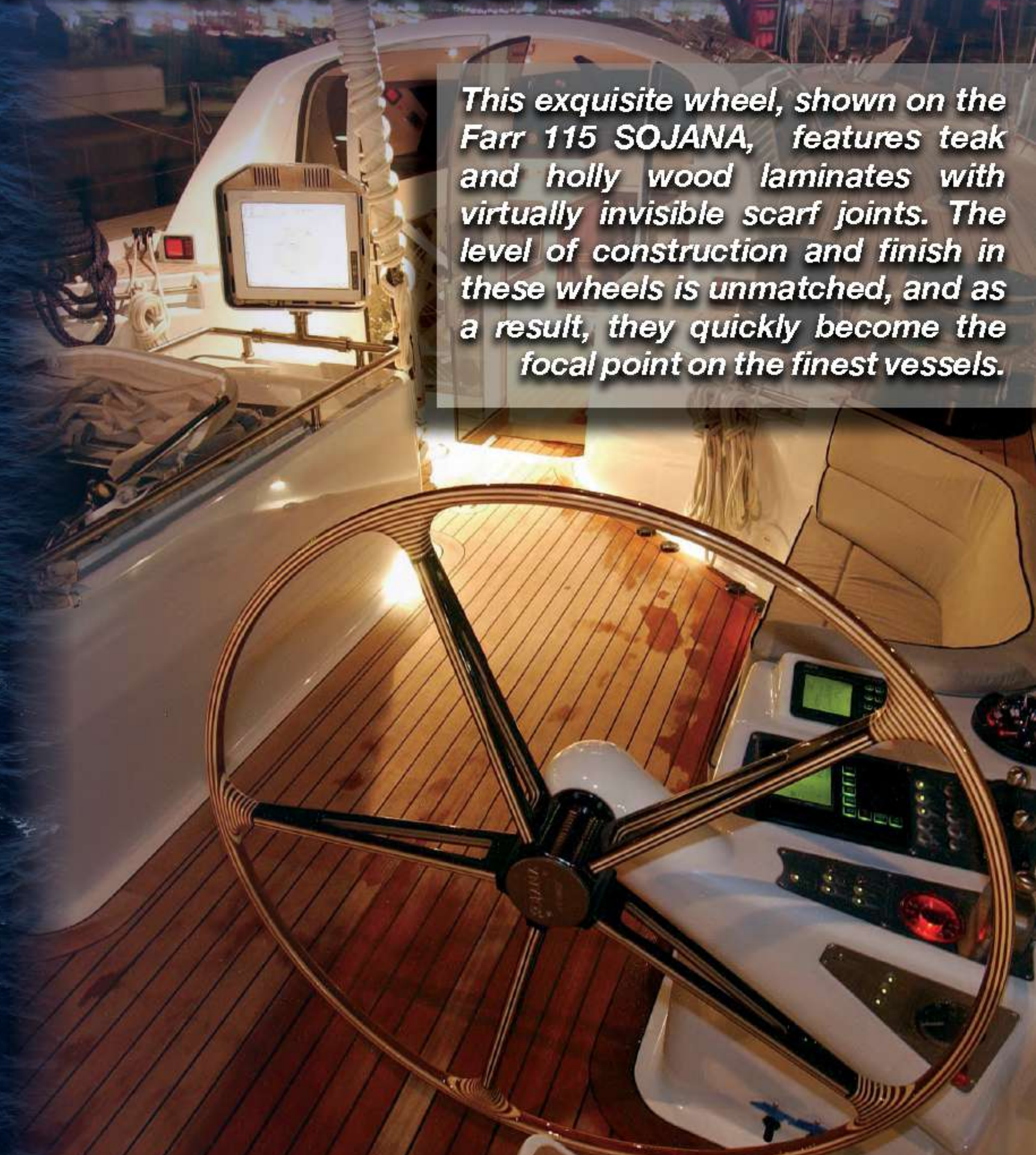
The Edson Tri-Spoke Composite Wheel is shown on SIZZLER, a custom 60' daysailer designed by Tony Castro and built by The Coeur d'Alene Resort Boat Shop.



Twin Carbon Fiber Wheels - Custom Steerer

Distinctive Yacht Wheels

This exquisite wheel, shown on the Farr 115 SOJANA, features teak and holly wood laminates with virtually invisible scarf joints. The level of construction and finish in these wheels is unmatched, and as a result, they quickly become the focal point on the finest vessels.



Twin Teak, Holly, Carbon Laminate Wheels - Multi-Mode Steerer

Distinctive Yacht Wheels



This exquisite wheel features teak and holly wood laminates, together with areas of beautifully clear-coated carbon-weave laminate. The spokes are carefully sculpted into the teak and holly rim for a very comfortable grip for the helmsman, as well as a robust connection of the spokes to the wheel rim. The wheel rim is constructed of alternating layers of teak and holly creating a beautiful contrast of two classic maritime woods. The level of construction and finish in these wheels is unmatched, and as a result, they quickly become the focal point on the finest vessels. These wheels are coated with multiple layers of clear urethane for a mirror finish. They are available with or without Edson's wheel clutch. Custom faceplate engraving available.

Carbon & Wood Laminated Wheel

- Hubs available in Black Aluminum or Polished Stainless
- Custom sizing for your dream wheel
- Clear coat for a mirror finish



Edson's new carbon, teak, and holly Vortex Wheel features an elegant design with details of alternating wood and composite materials that will serve as a stylish centerpiece to any racing or cruising yacht. The advanced design also boasts a lightweight structure that will add to the featherlight touch that the most demanding skippers require. A further hint of sophistication can even be added by

including the name of the yacht on the wheel hub. This wheel is available in a range of diameters and can be made to suit various wheel shaft sizes.

Vortex - Carbon & Wood Laminated Wheel

- Custom sizing for your dream wheel



Edson's Carbon & Wood Laminated Wheel features alternating layers of Teak, Holly and Carbon Fiber to form a unique blend of traditional and modern building materials. Hand built by master craftsmen, each wheel is custom built to your specifications. You can choose wood to match your boat's brightwork, deck or interior styling. Custom faceplate engraving available.

Carbon & Wood Laminated Wheel

- Custom Sizes
- Custom inlay designs available
- Clear coat for a mirror finish

Distinctive Yacht Wheels

Edson's Traditional Teak Wheels have the reputation of being the finest available in the world. They can be built with an outer teak rim, and we can install an optional stainless trim ring as shown in the photograph. The hub can be engraved with your yacht's name, with matching fonts and color. We can build in different woods or use a variety of different woods for the bungs. We are happy to consult with you to create the wheel of your dreams.

Custom Teak Yacht Wheel with Teak Rim

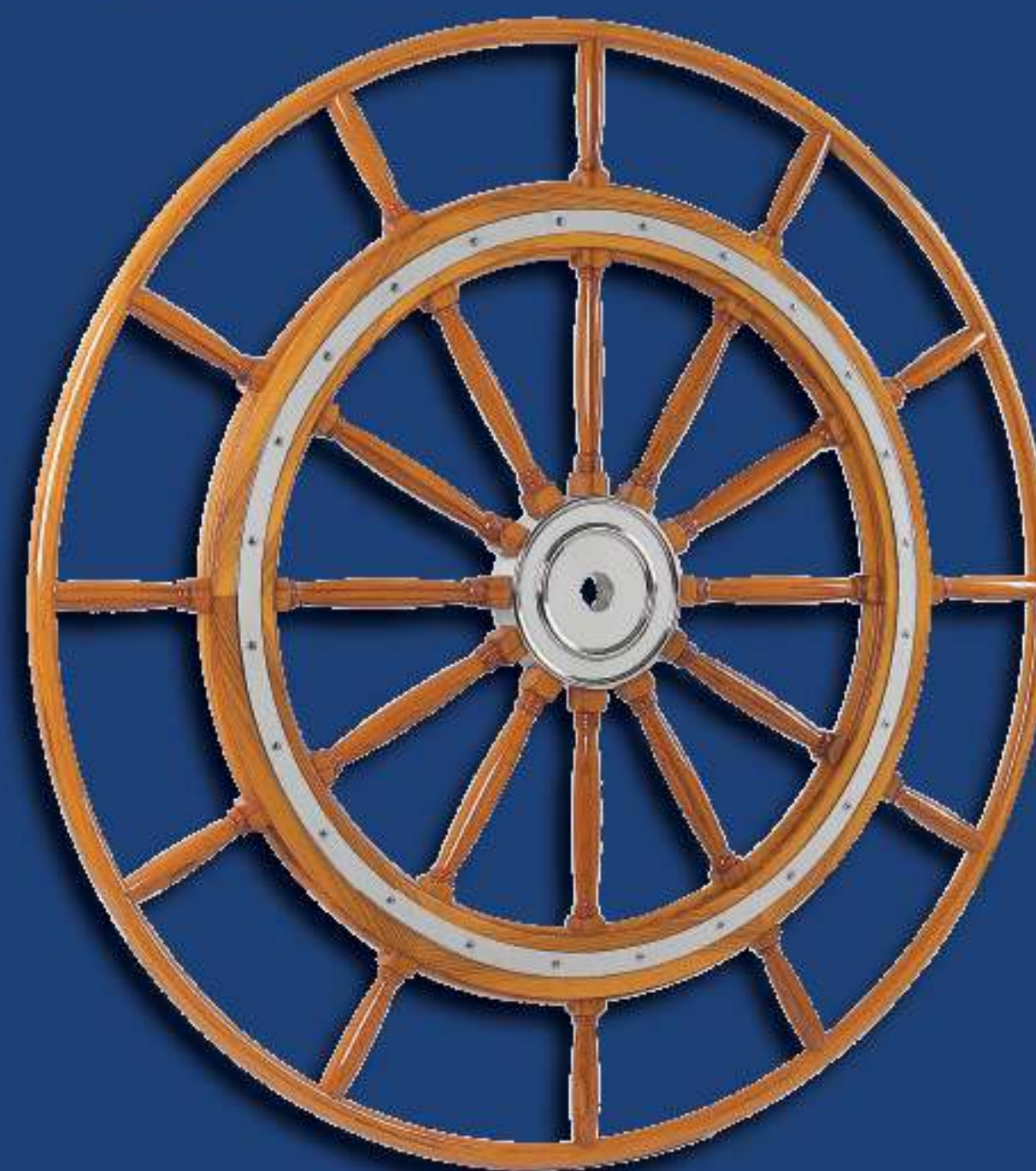
- For Power or Sail
- Solid Teak Construction
- Custom Sizes to fit your yacht
- Stainless Hub
- 1" Straight bore or Custom Flange available

Created by third-generation master craftsmen, the skills and artistry that go in to making Edson's Classic Teak Yacht Wheel with Teak Rim have been passed down from generation to generation, ensuring a consistency and quality that can only be attained by the hand-crafted talents of their builders. The laminated 1-1/4" diameter destroyer-type rim is installed with stainless fasteners and holly bungs to the solid teak spokes. This creates an elegant wheel that keeps the traditional look yet has a modern appearance and styling.

This wheel will be the centerpiece of your cabin or cockpit and the first thing visitors to your yacht will notice.

Classic Teak Yacht Wheel with Teak Rim

- Solid Teak Construction
- 26" (660mm) to 38" (965mm) diameters
- Bronze or Chrome Hub available
- 1" Straight bore
- Item #603



Distinctive Yacht Wheels

This wheel is a classic stainless wheel design that is as comfortable on the eyes as it is on the hands. The bi-spoke design gives it superior rigidity and robustness - ideal for offshore sailing. These wheels feature Edson's ergonomic "D" shaped wheel rim for helmsman comfort and it is sized to feel right on hands that are both large and small. These wheels can be covered in Edson's super- smooth orthopedic cowhide, in either tan or light gray colors. For the discerning owner, who wants the warmth and look of a wood rim, Edson can provide these wheels on a custom basis with teak and holly laminated rims.

Bi-Spoke Destroyer Wheel

- 5 spoke design
- Available from 36" (915mm) to 60" (1525mm)
- Dove Gray Leather rim covers available
- Teak & Holly Rim available on special order
- Item #649TK or #649Custom



The Ultra-Light Aluminum Racing Wheel has become a favorite on the grand-prix racing circuit because of its low weight, sleek styling and sensitive feel. Popularized on the Farr 40 fleet, the Ultra-Light Wheel is available in symmetrical and non-symmetrical designs from 44" (1118mm) to 80" (2032mm). Welded aluminum construction give the best in strength and rigidity. The airfoil-shaped spokes contribute to fore and aft rigidity and the oversized circular wheel rim provides a comfortable grip in heavy seas and when wearing gloves. For the ultimate in durability, each Ultra-Light Wheel is coated in Edson's renowned baked on urethane powdercoat, in either white or black, or in custom colors to match your racing boat's color scheme.

Ultra-Light Aluminum Racing Wheel

- Symmetrical and Non-Symmetrical designs
- Airfoil shaped spokes for rigidity
- Sleek dual spoke dished design
- Black, White or custom powder coat colors available
- Available from 44" (1100mm) to 80" (2030mm)
- Leather or Comfort Grip Wheel rim covers available
- Custom Engraving available on faceplate
- Item #641



Distinctive Yacht Wheels



Edson's Teak Rim Destroyer Wheels are warm to the touch, elegant in appearance and feather light. They feature hollow, tapered stainless spokes and a highly polished hub, just like their stainless cousins, but with a ergonomically shaped solid laminated 1-1/4" (32mm) natural teak rim, sanded smooth, ready for the finish of your choice. These wheels are the perfect way to upgrade the look of any power boat helm or sailboat cockpit . They will add a beautiful centerpiece to your yacht.

Teak Rim Destroyer Wheel

- Straight or Tapered hub
- 16"(406mm) - 48" (1210mm) diameters.
- Solid Teak Rim
- Item #645TK/647TK for Sail
- Item #1750TK for Power



The classic Edson Destroyer® Wheel will add distinction and value to any boat. Available in sizes ranging from 18" (457mm) to 60" (1520mm), they feature an attractive dished shape and tapered hollow spokes. Elegant yet strong, these wheels have a timeless appearance that will look great on any style of sailboat. The "D" shaped rim is comfortable in your hands and the optional Leather Wheel Rim Cover will make those long hours at the helm less tiresome. Edson Destroyer Wheels are available with either a 1" straight hub or a tapered hub, both precision machined to ensure an exact fit to your steering shaft.

Stainless Destroyer Wheels

- Ideal Delivery Wheel.
- Marine Grade Stainless
- Tapered, Hollow spokes for light weight
- Available from 18" (457mm) to 60" (1520mm)
- Leather or Comfort Grip rim covers available
- Dove Gray Leather available
- Item #645/647 for Sail • Item #1750 for Power

Distinctive Yacht Wheels



Edson's Classic Teak Yacht Wheel is the Original. In production for over 125 years, this is a wheel that belongs on any classic yacht or stately passage-maker. Created by third-generation master craftsmen, the skills and artistry that go in to making these wheels have been passed down from generation to generation, ensuring a consistency and quality that can only be attained by the hand-crafted talents of their builders. Although extremely elegant, the Classic Teak Yacht Wheel is not just a showpiece for a wall. It is handcrafted to the highest offshore-quality standards, and will provide years of service for the classic yacht. It features solid teak spokes and fellows rigidly secured with stainless fasteners and holly bungs. Delivered fully varnished.

Classic Teak Yacht Wheel

- For Sail or Power
- Solid Teak Construction
- 24" (610mm) to 36" (915mm) diameters
- Bronze or Chrome Hub available * 1" straight bore
- Larger Sizes available on Custom order
- Item #601 or #601Custom



Edson's Polished Bronze Wheel with Teak Handles add distinction to any traditional boat. The bronze wheel body is delivered highly polished and with regular maintenance will retain its attractive gleam, or it can be left to age gracefully and take on a classic patina appearance. Available in sizes from 20" (508mm) to 30" (762mm) in diameter, the Bronze Wheel features varnished teak handles and a 1" straight shaft bore. The solid teak handles are held securely with stainless carriage bolts, which can be easily replaced if needed.

Polished Bronze Wheel

- Cast in Edson's own foundry
- Made of solid bronze
- Hand polished to a mirror finish
- Varnished Teak Handles
- * 1" straight bore
- Item #602BR

Edson PowerWheels



Polished
Stainless Steel
PowerWheel
#1710ST
Available in 13", 14.5",
and 16" diameters.

Edson's Stainless Comfort Grip™ PowerWheels are the latest addition to the Edson PowerWheel line. They feature a unique rubber finger grip insert that provides precise control and ultimate comfort.



"Special Ops"
Stainless Steel
PowerWheel
#1710BL
Available in 13", 14.5",
and 16" diameters.

Edson's "Special Ops" Stainless Steel Comfort Grip™ PowerWheel incorporates the same design as the highly polished and satin versions, but features black finish.



Satin Finish
Stainless Steel
PowerWheel
#1710WB
Available in 13", 14.5",
and 16" diameters.

Edson's Satin Finish Stainless Comfort Grip™ PowerWheel incorporates the same design as the highly polished version, but features a water-blast finish that is silky-smooth to the touch but without the bright glare of polished stainless.



EC3 PowerWheel™

#1710C-13C-KIT

Edson's NEW 13" Elite Carbon 3-Spoke PowerWheel, or EC3, is crafted from marine-grade carbon fiber and features the iconic Edson ComfortGrip. It's ready to take you on your next adventure, or just awe your friends with its beauty.

Key Features

- Classic 3-Spoke Design
- Super Light Weight
- Lasting Craftsmanship
- Carbon Fiber Construction
- ComfortGrip™ inserts
- Fits Standard 3/4" tapered shaft



Teak Rim
PowerWheel
#972BTK-16
Available in 16"
diameter.

This elegant design is perfect for dressing up a flybridge or pilothouse. Teak rim has solid almag center for strength. Easily removable for revamishing. Spokes available in Black Powder-Coated Almag in both 3/4" tapered and 1" straight bores.



Bronze
PowerWheel
#1700BR-13
Available in 13"
diameter.

The 13" Edson Bronze PowerWheel is sure to dress up any boat - especially a classic sportfish or wooden runabout. Solid cast bronze construction is highly polished to a mirror finish, giving a deep, rich golden glow. Includes Brass Wheel Nut with inserts for 12mm & 5/8" - 18 threads.

EDSON PowerKnob™

Options:



ComfortGrip™
#969ST-18CG



Sportsman Series™
#967-18BL



ProSeries™
#969ST-18



Strap to Any Wheel rim from
5/8" to 1 1/8" diameter!

or

Bolt to any
Solid Steel Wheel Rim!

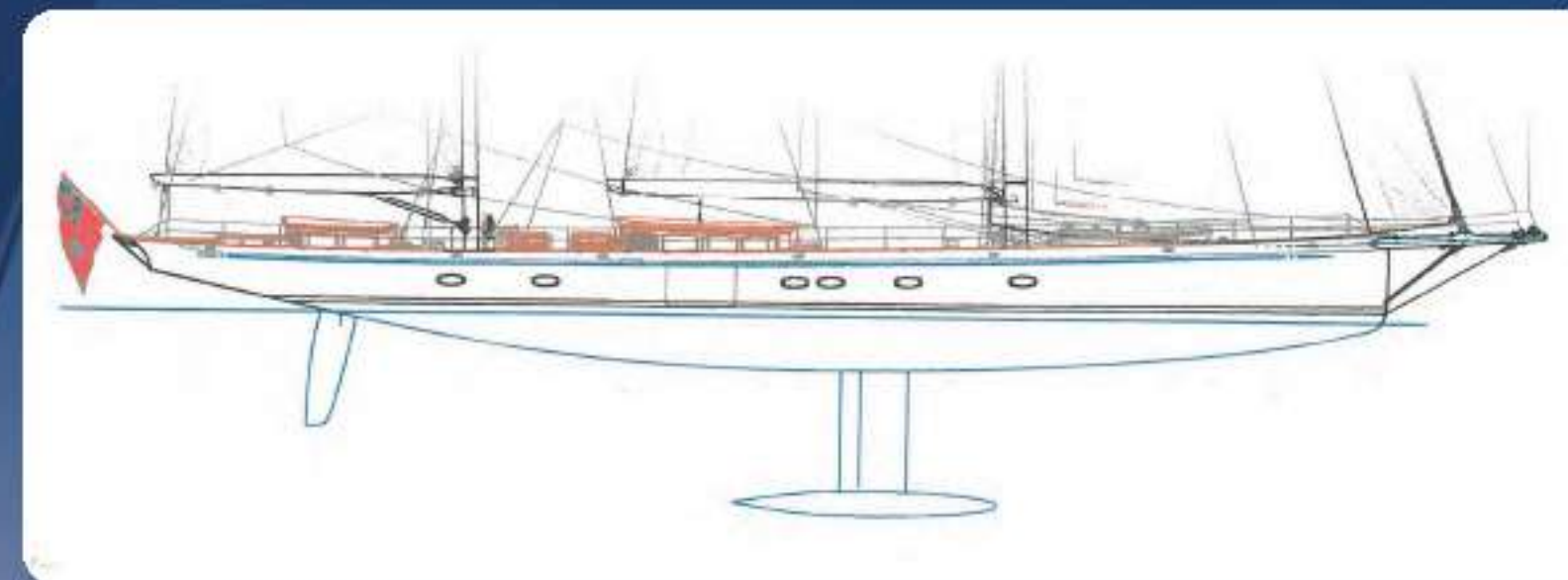


Svea - Photo Courtesy of Ome van der Wal

What We Need From You

In order to design and build a custom steering system for your yacht, we need the following information and drawings:

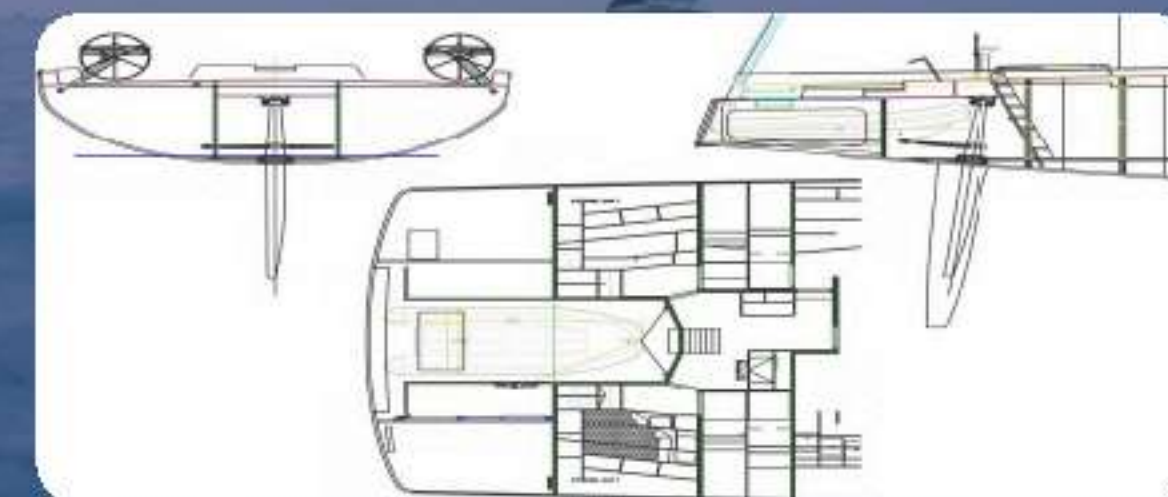
1. Yacht Designer name and contact info
2. Boat Builder / Yard Name and Contact Info
3. A description of the 'Concept' of the boat - i.e. cruising, racing, racer/cruiser, grand prix racer, expedition yacht, single-hander, etc.
4. Rudder Profile with dimensions
5. Profile and Plan View of aft end of boat
(Full design 3D CAD file is preferred in AutoCad, DXF, Parasolid, Step, IGES or Microstation file types - no PDFs please).
6. Top speed projection of boat
7. General system requirements and expectations.

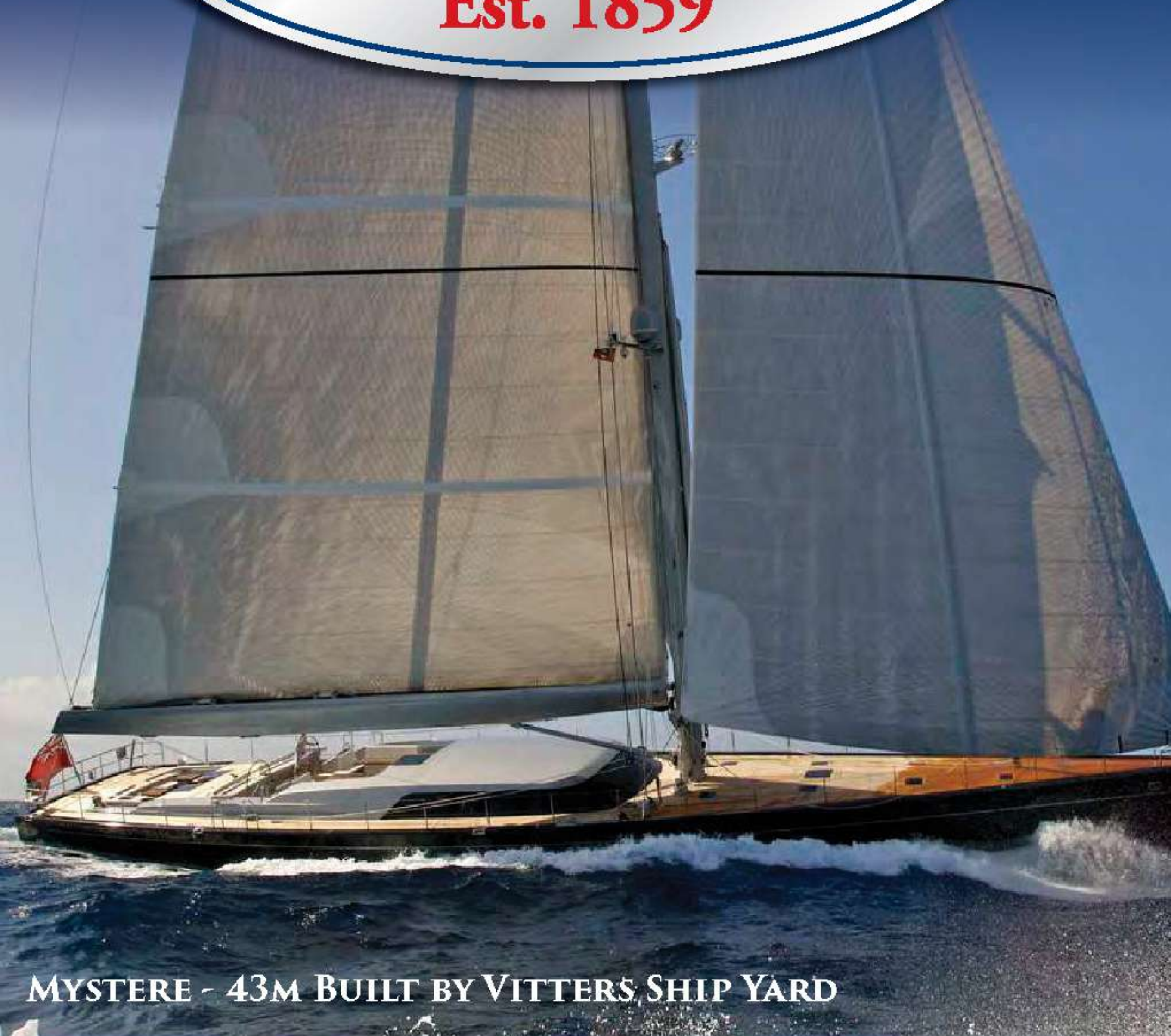


For your customized steering quote and preliminary design, whether it is new build or refit, please contact us with the information above:

Edson International
146 Duchaine Boulevard
New Bedford, MA 02745-1292

Tel: 508-995-9711
Fax: 508-995-5021
E-Mail: custom@edsonintl.com





MYSTERE - 43M BUILT BY VITTERS SHIP YARD



BLUE MARLIN - 12 METRE PHOTO: LEO SKOGSTRÖM



ELFJE - 52M BUILT BY ROYAL HUISMAN



PINK GIN - BALTIC 47M