



Soraya 46

by Gentech Yachts, Uniellé Yacht Design and Aleš Bratina

Gentech is a company that boasts a successful background in various areas, from aviation to real-estate development, from tech-engineering to fashion retail. Now, in addition to all this, the company has dedicated its business skills to the mega yachts industry with the modern operational unit Gentech Yachts, thereby establishing new benchmarks for the future of this sector through avant-garde techniques and cutting edge technology, superlative quality of construction and more than fifteen years of experience acquired first-hand in the world of yachting. After years of planning and collaboration on an international level, these criteria have now given rise to the new line of Soraya Yachts, conceived by teams of expert, specialised technicians who have worked in close contact with supervisors and project managers in Europe and the United States. Even suppliers and sub-contractors were subjected to a rigorous selection process that sifted leading companies worldwide, many of which have been involved in the construction of the most famous mega yachts.

With top-notch engineering and constructed in conformity with the strict standards imposed by Gentech to obtain uncompromising quality, the Soraya Yachts line is entirely produced in modern shipyards conveniently located in the duty free zone near Antalya in Turkey. It is from these slips that the new Soraya 46 motor yacht will be launched in all its magnificence and opulence, with numerous technological innovations that point to the future of communications and control. Offering a more than generous range for ocean crossings, Soraya 46 is capable of ensuring high energy efficiency and service economy. ➤







The Soraya profile



Soraya Yacht Detail



The sun deck



The swimming platform

NEWS

It also offers numerous specific characteristics intended to provide passengers with the comfort and safety currently expected aboard motor yachts of this category. A tangible expression of the innovative concept born in the Gentech Yachts shipyard, with its solidity and stability as well as silence, the new Soraya 46 is a shining star in the luxurious universe of exclusive navigation.

The main data

Based on naval architecture by Meccano Engineering, the Soraya 46 by Gentech Yachts has an exterior design developed by Uniellé Yacht Design and interior design by Ale_Bratina. Its full-displacement hull was engineered to obtain RINA Charter Class classification as well as MCA (Maritime and Coastguard Agency) certification. In building the new yacht, Gentech Yachts used steel for the hull and aluminium for the superstructure, while the antennae-bearing mast is in fibreglass composite. Soraya 46 measures 46 and a half metres long, equivalent to 152 feet, with a waterline length of more than 37 and a half metres (123 feet), and a total

beam of 9 metres (29 and a half feet). For the new unit, the maximum draught calculated at average loading is about 2 and a half metres (8 feet); the full-load displacement is around 430 tonnes. The Soraya 46 engine room will have twin Caterpillar C32 ACERT diesel engines, each capable of supplying 970 kilowatts – equal to 1300 hp. Long range autonomy has been calculated according to the fuel tank capacity on board, equal to 70 thousand litres (18 thousand USA gallons). According to engineering estimates, with the engines at 900 rpm, Soraya 46 will have an economic cruising speed of 10 knots, which translates as a range of 5000 nautical miles; with the engines at 1200 rpm, Soraya 46 will zip along at a cruising speed of 13 knots for a range of more than 4500 nautical miles; with the engines at 1700 rpm, Soraya 46 will be able to hit 16 knots for more than 2200 nautical miles. The coveted outfitting of this new unit also includes three ultra-silent Caterpillar C4 generators; furthermore, the stern garage holds a 21-foot Castoldi Jet tender and two waverunners for the guests' enjoyment, while the fore deck garage holds a 14-foot Castoldi crew and rescue tender.

▼ The stunning profile





A new concept for a new yacht

Distinguished for their contemporary design, the exterior styling of the Soraya 46 catches the eye with striking and futuristic lines that refuse, however, to sacrifice elegance - a perfectly eclectic yet contemporary blend of classical inspiration and modern touches. The surprisingly magnificent image of this yacht is matched only by its awesome functionality.

Every characteristic of Soraya 46 makes every practical function appealing by highlighting its visual attributes. In fact, all the surfaces are open and rationally organised to avoid tainting the purity of the lines and the beauty of the forms. For example, when closed, the hydraulic "touch & go" helipad platform at the bow hides all the technical area and relative equipment from view; raised into its open position, it protects the crew functionally and safely during docking and anchoring

manoeuvres. Behind the helipad platform, a double hatch closes to hide the entry to a closed garage for the service tender and the towing and launching crane. Astern, a large indoor deposit and garage keeps the beauty of the yacht uncluttered and clean.

The entire transom opens with an overhead movement, allowing easy access to between-decks, the main tender, and the water toys. The immense bathing platform that can be formed in this way creates an ideal area for all the guests' recreational desires.

Thanks to the development of new technologies, every main function of each component on board the Soraya 46 can be controlled and monitored in real time, either from the on-board stations or from a long-distance land station accessible through an Internet connection from any part of the world. ➤

The upper deck

AWESOME



From the anti-intrusion systems with closed-circuit video cameras to the other on-board systems, monitoring is constant and complete: in particular, engine and generators are managed by means of remote and direct connections designed with the technical experts of Caterpillar, allowing for an immediate response and enabling information on maintenance and the prevention of potential problems to be received in real time. Advanced communications systems and helicopter accessibility on board allow the Owner of the yacht to continue with business as usual, regardless of distance or location, living on his yacht for as long as he likes. The high-tech package on board is completed with the multimedia AV entertainment systems and thematic lighting systems with functions that can be specifically programmed for outdoor and indoor spaces. The spacious layout of the Soraya 46 rationally fulfils all the most demanding owners' yearnings for comfort and functional needs, whether for family holiday cruises

or private parties, and even for special occasions such as business meetings or receptions. Even in specific charter activities: in fact, Soraya 46 presents a variety of options for organising business events and VIP receptions. With its multifunctional layout, the exteriors and interiors are both flexible and luxurious. The Soraya 46 offers her Owner and guests ample areas for socializing and intimate niches for absolute privacy. In fact, the design took into account crew passages and operational zones, which are completely separate from those used by guests. For this reason, when crossing the spacious and elegantly furnished decks, the Owner and his guests are able to enjoy all possible activities and relax in a quiet atmosphere no matter where they are. On board, Soraya 46 guarantees exceptionally silent and relaxing surroundings thanks to a careful selection of technical equipment and system components, combined with a battery-powered "night mode" and total soundproofing of the cabins. ➤

The upper deck saloon





The zero speed stabilizers keep the hull stable during navigation and anchoring, allowing even the most sensitive guests to enjoy their time on board. Soraya 46 counts four vast decks. On the main deck, outside the covered cockpit, is a living area with a cocktail bar. Inside, the lounge with full-length panoramic windows is equipped for living or dining, with impeccable service provided by a professionally equipped galley.

The Owner's cabin in the forward area has a private office and is completely and superbly furnished to offer maximum comfort while guaranteeing total privacy. The lower deck, according to the Owner's desires, may house five or six guest cabins, designed in every detail and luxuriously furnished to guarantee maximum comfort and tranquillity; all are fully accessorised with cutting-edge AV entertainment systems, climate and lighting control, and Internet access. Outside on the upper

deck, we find the aft deck sports and open-air living area and a covered area for alfresco dining. Inside, the lounge offers panoramic views from the windows of the living area where guests may enjoy cocktails at the bar or A-V entertainment – the perfect setting for a party. On the sun deck amidships, a living area is sheltered by the hard top; at both ends, the deck offers two panoramic solariums: the bow one consists of a surface with sunbathing mattresses and a hot tub, while the stern area is equipped with deckchairs and served by a wet bar. During the night, Soraya 46 is transformed by magical underwater and outdoor lighting, mostly achieved by advanced, high-efficiency LED technology that beckons warmly and welcomes guests aboard.

The main deck saloon

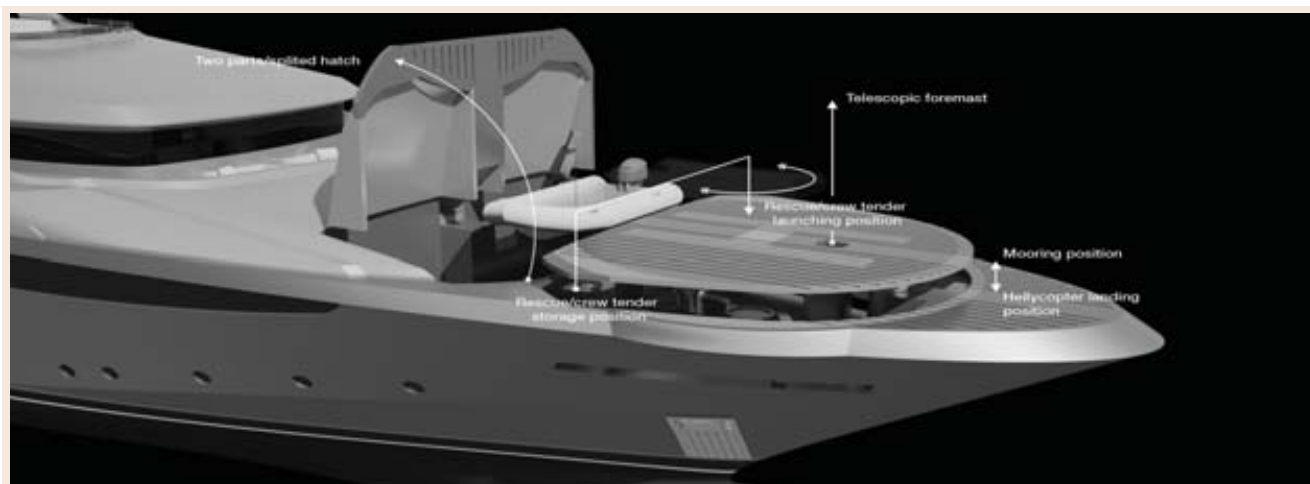
Flaviano Perelli



▲ The Owner's cabin ▼ The VIP cabin



Soraya 46



TECHNICAL SPECIFICATIONS

Type	Twin screw ocean motor yacht
Hull	Steel
Superstructure	Aluminium
LOA	152'56" / 46.50 m
LWL	132'87" / 40.50 m
Maximum Beam	29'52" / 9.00 m
Moulded Depth	14'93" / 4.55 m
Displacement at Full Load	430 tons
Displacement at Light Load	350 tons
Draught (full load from B.L.)	8' / 2.45 m
Max. Speed	15 knts
Cruising speed	12 knts
Fuel Capacity	18,492.04 USG / 70'000 L
Fresh water capacity	2,958.73 USG / 11'200 L
Range at cruising speed	3'500 Nm
Main engine type	CATERPILLAR C32 ACERT
Main engine power	969 kW
Main generators	CATERPILLAR C4 86 kW
Propellers	WEEM
Bow thrusters	QUANTUM
Stabilisers	QUANTUM
Watermaker	SEA RECOVERY
Accommodation	10 guests with possible 12 guest using Pullman beds.
Staterooms	One Owner, Two VIP and Two Guests
Accommodation for crew	Cabins for 8 crews and Captain's cabin
Classification	RINA C ⚓ HULL BB MACH; Ych; unrestricted navigation.
Launching	Spring 2010.
Naval Architecture	Meccano
Exterior Design	Uniellé, Jure Bukavec
Interior Design	AlesS Bbratina
Builder	Gentech Ltd.