



SYRAF

Shipbuilding and
Marine Equipment

GENERAL CATALOG



SYRAF At A Glance

- Managing Director: Hassan Ebrahitmpoor Ziaei
- Year of establishment: 1999
- Type of company: Limited
- No. of personnel: 55 people
- Head office, equipment factory and shipyard: Parand industrial state, Tehran-Iran
- Research & Development Center: Tehran



معرفی شرکت و استراتژی ها

سیراف در یک نگاه

- نام مدیر عامل : دکتر حسن ابراهیم پور ضیایی
- سال تاسیس : ۱۳۷۷
- نوع شرکت : شرکت خصوصی با مسئولیت محدود
- ۵ نفر تعداد کارکنان : ۵
- دفتر تحقیق و توسعه : تهران
- کارخانه تولید تجهیزات و واحد شناور سازی: شهرک صنعتی پرند



Who We Are And What We Do

- The Fanavaran Syraf Company initiated its activities in 1998 with design and production of different maritime lights of vessels and coastal installations and succeeded in manufacturing a large range of requirements in the scope of marine industry facilities. Hence, it is regarded as the first and only brand of marine equipment manufacturer in Iran.
- The company began manufacturing special steel and aluminum light vessels and managed to design and produce a variety of workshop-based, passenger-carrier and service vessels. Also, the scope of new energies as an environmental necessity was added to the working obligations and objectives of Fanavaran Syraf Company since 2011. The notion of the company's founders is based upon the aspiration of novel ideas and regular processes aimed at quality improvement and diversification of products as well as providing the requirements of customers with a tendency toward international activities and markets. During this interval of production activities, the company's portfolio has been consistently fulfilling the goal of product diversity while promoting the quality and after-sales services in accordance with international standards. These three goals were as the basis for the structure of the company.

جایگاه و فعالیت ها

- شرکت فن آوران سیراف در سال ۱۳۷۷ فعالیت خود را با طراحی و تولید انواع چراغهای ناوبری شناورها و تاسیسات ساحلی آغاز و در طی نزدیک به دو دهه فعالیت خود موفق به تولید بخش وسیعی از نیامندی های حوزه تجهیزات صنایع دریایی گردید و از این نظر بعنوان اولین و تنها برند تولید تجهیزات دریایی در ایران محسوب میگردد.
- این شرکت در سال ۱۳۸۸ تولید شناورهای سبک تخصصی از جنس فولاد و آلومینیوم را در دستور کار خود قرار داد و موفق به طراحی و تولید انواع شناورهای کارگاهی، مسافری و خدماتی گردید. حوزه انرژی های نو نیز به عنوان ضرورت های زیست محیطی، از سال ۱۳۹۰ در زمره الزامات مدنظر و اهداف کاری شرکت فن آوران سیراف قرار گرفت باور موسسین این مجموعه بر پایه تعالی نظریات نوین و فرآیندهای منظم در جهت بهبود کیفیت و تنوع محصولات و تامین نیازهای مشتریان صنعت دریایی و نگاه به افق فعالیتهای بین المللی بوده است. در این بازه از فعالیت های تولیدی، سبد کالای این مجموعه همواره در حال تکمیل تنوع محصول در فضای ارتقای کیفیت آنها و خدمات پس از فروش براساس استانداردهای بین المللی بوده است و این سه هدف بعنوان شیرازه ای از ساختار این مجموعه منظور گردیده است.



Customer Diversity

Regarding the extensiveness of marine and oil and gas industries, Fannavaran Syrat Company has developed its products in various sectors of the respective industries. The company's different scopes of activity can be summarized as below:

- Different types of ships, vessels and coastal installations
- Ship-building and dependent industries
- Oil and gas industries and onshore and offshore facilities
- Marine military industries
- Water and sewage industries
- Hydropower dams and solar power plants
- Maritime lines
- Fishery and Aquaculture



تنوع مشتریان

با توجه به گستردگی صنایع دریایی و نفت و گاز شرکت فن آوران سیراف محصولات خود را در بحث تولید تجهیزات و ساخت شناور در حوزه های مختلف این صنایع گسترده نموده است، حوزه های مختلف فعالیت این شرکت به شرح ذیل می باشد:



- انواع کشتی ها، شناورها و تأسیسات ساحلی
- کشتی سازی ها و صنایع وابسته
- صنایع نفت و گاز و تأسیسات ساحلی و فراساحلی
- صنایع نظامی دریایی
- صنایع آب و فاضلاب
- سد ها و نیروگاه های برقابی و خورشیدی
- خطوط کشتیرانی
- شیلالت و آبری پروری



Testing Before Delivery

- As a principle in the production process, all products will undergo the test process and will be exposed to delivery process only if they successfully pass all quality tests. The respective tests are predicted and carried out based on international standards and with an emphasis on confirmations of the corresponding products.
- Test process includes quality control and quality assurance of equipment. Furthermore, in the case of special functional circumstances, the tests will be performed, as far as possible, commensurate with the usages of the equipment and the related standards.



تست قبل از حمل و تحویل

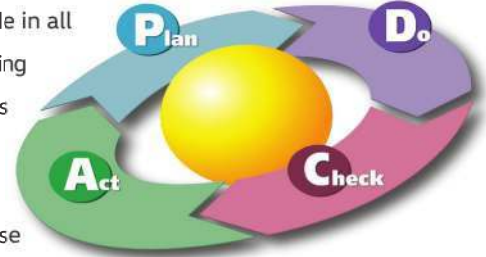


- به عنوان یک اصل در روند تولید تمامی محصولات تحت تست و آزمایش قرار خواهند گرفت و فقط در شرایطی که تمام تست های کنترل کیفیت این مجموعه را بر طبق استاندارد با موفقیت بگذرانند در فرآیند تحویل قرار خواهند گرفت. این تستها براساس استانداردهای بین المللی و با تاکید بر تاییدیه های محصولات فوق پیش بینی و اجرا می گردد.
- فرآیند تست شامل تستهای کنترل کیفیت به منظور حصول اطمینان از قابلیت تکنیکی تجهیزات خواهد بود. همچنین در صورت وجود شرایط خاص، تستها تا حد امکان متناسب با کاربری تجهیزات و استانداردهای مربوطه انجام خواهد گرفت.



Progressive Improvement Philosophy

- In manufacturing and assembly of equipment and vessels. Syraf Corporation has been founded based on an absolutely flexible process. Thus, leaving aside the traditional manufacturing systems and moving toward highly efficient systems, the company is capable of holding an effective attitude in all steps of production with the intent of enhancing the quality credit in manufacturing of products, and if any steps of the quality assurance process encounters a problem for any product, the process will be halted and the needed revisions will be applied. Presence of such a philosophy in continual production in which the test is performed simultaneously with stage-wise production would result in a tremendous stability in the progress of production process meeting all customers' objectives and demands.



فلسفه بهبود مستمر



در تولید و مونتاژ تجهیزات و شناورهای تولیدی، مجموعه سیراف مبتنی بر یک پروسه کاملا انعطاف پذیر استوار شده است. لذا با ترک سیستم های سنتی تولیدی و حرکت به سمت سیستم های پربازده، قابلیت نگرش موثر در کلیه قدم های تولید جهت افزایش اعتباری کیفیت در تولید محصولات فراهم آمده است و چنانچه هر قدم از فرآیند تضمین کیفیت در مورد هر محصول دچار نقیصه ای شود، فرآیند متوقف شده و بازنگری های لازم اعمال خواهد شد. وجود چنین فلسفه ای در تولید مستمر که تست همزمان با تولید مرحله ای انجام شود باعث ایجاد نظامی بی نظیر در ترقی پروسه تولید خواهد شد که تمامی اهداف مشتریان را در بر خواهد گرفت.



Certificates and Awards

- In line with high quality manufacturing and standard products, Fanavaran Syraf Company has established the quality assurance management system in its designs and productions from 2001 with the approval of authorized marine classification institutions such as GL, BV, LR and TNV. The quality improvement in F.Syraf organization has led to the establishment of standard systems, ISO/TS29001:2010, OHSAS 18001:2007 and ISO 14001:2015, ISO/IEC 27001:2013 along with the (integrated management system) 9000 quality system series with regard to the comprehensive view of the managers and the personnel.
- Considering the specific views of the company on the Issues of designing and production, F. Syraf company has been rewarded valuable nations international awards such as the superior marine industry of Iran in 2013, the medal and international standard of services quality assurance in the field of navigation equipment (SQA) from the European union and the golden medal of innovation in design and production from the chamber of cooperative in 2014.



گواهینامه ها و جوایز

- شرکت فن آوران سیراف در راستای تولیدی استاندارد و با کیفیت از سال ۱۳۸۰ سیستم مدیریت تضمین کیفیت را با تأییدیه مؤسسات رده بندی معتبر دریایی همانند TNV, LR, BV, GL در ساختار طراحی و تولید خود مستقر نموده است.
- ارتقاء سطح کیفیت در سازمان سیراف با توجه به نگاه فراگیر مدیران و پرسنل منجر به استقرار سیستم های استاندارد ISO/IEC ۲۷۰۰۱:۲۰۱۳ ، ISO/IEC ۲۷۰۰۱:۲۰۱۳ ، ISO/TS ۲۹۰۰۱:۲۰۱۰. OHSAS ۱۸۰۰۱:۲۰۰۷ & ISO ۱۴۰۰۱:۲۰۱۵ در کنار سیستمهای کیفیت سری ۹۰۰۰ (Integrated Management System) گردید.
- شرکت سیراف با توجه به نگاه ویژه به بحث های کیفیت در طراحی و تولید، موفق به دریافت جوایز ارزنده کشوری و بین المللی همانند صنعت برتر دریایی ایران در سال ۲۰۱۳، دریافت نشان و استاندارد بین المللی تضمین کیفیت خدمات در حوضه تجهیزات ناوبری (SQA) از سوی اتحادیه اروپا و نشان طلائی نوآوری در طراحی و تولید از اتاق تعاون در سال ۲۰۱۴ گردید.





- Design and production of more than ten thousand various maritime parts, types of special vessels, electrical panels, marine equipment ... and also professional and responsible view of managers with nearly two decades of activity, have been the driving force of F.Syraf Co., that continuing from the beginning of establishment to break success boundaries. Kinds of equipment for marine use along with standards and certifications related to lighting systems, electricity distribution, control, safety, navigations aids, electricity and switch boards, cables tray and marine cables are among products of this company. Specialized in the manufacture of vessels, based on its long and useful history. F. Syraf has concentrated on especially light vessels made of aluminum and steel used in garbage and oil collection vessels, passenger vessels, and workshop vessels through use of clean energy.



- As members of the international environment community and employing their creativity, our staff have taken into account environmental considerations in all phases of production. To this end, they have been successful in solving environmental problems in the area of waterways and lakes by designing and producing surface garbage collection vessels for the first time in Iran. The use of solar energy (clean energy) in vessels active in lakes is another activity of the company in the field of environment. This has made Iran one of the few leading countries in this industry all over the globe.



Continuous and high quality activities of Syraf Co. regarding the design production of navigation lights have always introduced the name of this company as an accredited brand in the mentioned products in the international arena of marine affair. This is confirmed through production of a complete range of marine navigation light high quality and applicability.

Marine Navigation Lights

- Products of the F. Syraf Co. in the category of navigation lights meet all needs of various vessels and offshore installations. Diverse design of lights is performed based on their use and operational and international standards. All these lights have valid approvals from marine international classification institutions and other relevant certifications. The use of materials resistant to environmental conditions in making the body of these lights, polycarbonate lenses and high quality parts has led to competitiveness and high lifetime of these products at international level.

Description	Angle	Color	IP
Mast	225	White	56
Stern	135	White	56
Port	112.5	Red	56
STBD	112.5	Green	56
Anchor & Morse	360	White	56
N.U.C	360	Red	56





Navigation Lights Panel

- SYRAF navigation lights panels are designed and manufactured according to international marine standards. These panels, with an ability to control 10 and 12 navigation lights and standard operational capabilities such as change, testing system, and source alarm reset, have led to an appropriate performance for users. Appropriate size, beauty of the product and ability to be installed in different conditions are other features of this product.



LED Marine Lantern

- Marine traffic lanterns produced by SYRAF company, use the latest technology and are able to cover a vast range application of these lights. Other distinguishing features of this product is the use of LED systems. Appropriate range equal to 7NM or less (in various types), and relying on flushing operational standards according to IALA standards. LED improves the lifetime of the above lanterns and the use of polycarbonate in making their body and lenses enhance the quality of these products. The kind of these lanterns with IP68 protection, can be connected to solar power supply.





With on experience of almost 18 years in the field of production of equipment, E Syraf has been able to meet marine industrial needs through provision of standard products, various quality lights used in vessels and offshore installations. All lights produced in this company have been confirmed by accredited marine international classification institutions.

Fluorescent Lights

- Fluorescent lights produced by F. Syraf have been able to meet marine Industrial needs through special design for all uses, vessels and relevant locations, and offshore installations. Beautiful appearance, use of resistant and high quality materials, compliance with international standards in addition to approvals from accredited marine classification Institutions are among the features of these products. The mentioned lights are produced in accordance with protection markings of IP56, IP22, and EX.



Standard Light with Polycarbonate Globe

- These lights are produced in different models which can be used on ceilings and/or walls, equipped with simple and lined lenses. The body is made of brass, and lenses are made of polycarbonate. 60 watt lamps or low consumption 23 watt lamps with protection marking of ip56 are other features of this product. Different colors of lenses can be ordered. The above product has all approvals from accredited marine classification institutions.



Other Lightings

- To complete the range of lighting products used in vessels and offshore Installations, SYRAF provides also other types of necessary standard lights. For example, signal lights, mirror lights, bed lights are among these products.





SYRAF has been able to meet a wide range of its customers' needs through production of a series of F.S.J. products. These products are designed and manufactured according to international standards and have relevant certifications from accredited marine international institutions.

Junction Box

- SYRAF 's junction boxes are made of brass, With 4 up to 7 glands and 1P56 protection, they are a good suggestion for various uses in vessels and offshore installations.

Socket with switch

- Sockets are made of brass in SYRAF and all input and output cables pass through glands installed on them. These sockets have the IP56 protection and are appropriate to be use in different marine application.

Push Button

- Push Buttons produced by SYRAF belongs to the family of FSJ. Its body is made of brass and there are 2 glands for the entry and exit of cables and the protection marking of IP56. It is a good product to be used in different types of vessels and offshore installations

Rotary Switch 16A

- Rotary Switches 16A manufactured by Syraf Company's body is made of brass and a gland is installed for entry and exit of cables. 2-pole rotary switch 16A is a good idea for special uses in marine industry especially in vessels and offshore installations.





Production SYRAF in equipment power supplies, battery chargers and convert provides wide range of vessels and offshore installation requirements equipment approved by marine international institutions.

Marine Battery Charger

- Some of the features of marine battery chargers produced by SYRAF are long lifetime and compliance with relevant international standards. Isolation of power supply lines and different audiovisual alarms (high temperature, short circuit, current protection) are other specifications of this product.

This product has the approval of accredited marine international classification institutions.



Input voltage	Output voltage	protection	capacity
220 VAC , 1PH or 380VAC , 3PH	12 VDC or 24VDC	IP22 IP56	25 100 Amp.

Converters & Chargers

- SYRAF Company products in the section of power supplies used in vessels and marine converters meet a wide range of needs of vessels and offshore installations.

Are approved to use in marine application accredited by international institution.





Ship Safety

Construction of vessels' safety equipment by the F Syraf Company goes back to its foundation in 1999. F. Syraf safety equipment of vessels strictly observes the latest international marine standards such as IMO and SOLAS. The F. Syraf Company's specific look at quality and simplicity as well as its employing the best modern technologies are well manifested in design and manufacture of its products.



Bilge Safety Alarm System

- Bilge safety alarm system is one of the company's first products manufactured to exercise control over different places from 1 up to 124 zone based on customer order. These products are characterized by audio/visual alarm, external alarm, testing system and sensors resistant to corrosion (due to their stainless steel material), besides having beauty appearance .



Alarming System

- Considering variety of alarming system in vessels, SYRAF has attempted to design and manufacture alarming panel systems with control capabilities of 1 up to 124 zone. Meet all marine standards requirements and also the ability to mount sensors with On/Off system in applications like high/low level for all tanks, these panels include general alarms, bulkhead door monitoring and bilge alarm. Sensors which are major accessories of the above panels are also another quality product of the Company.





Personal Safety

Designing and manufacturing of personal safety equipment by the Syraf Company began in 2003 with the production of our B.V- approved lifejacket. Then, the company succeeded to design and manufacture other personal safety items such as lifejacket light, life raft light and manual buoy light to provide its customers with a complete package of individual marine safety equipment.

Life Jacket

- SYRAF life jackets are designed and manufactured for all age groups (children to adults) of users. They also meet all international marine rules and standards like SOLAS in both design and production.



Life Jacket Light

- Manual and seawater active lights are included in this product group. Concordance with all product standards and long-life batteries (5 years from the date of manufacture) is the most specific feature to this product.



Life Raft Internal Light

- This light has the potential to get activated remotely (by releasing a toggle) and supply light intensity of 1200 to 1600 mcd. With the performance life of 14 hours and the battery life is 5 years.



Manuel Buoy Light

- Manual buoy light with range of 2NM and automatic activation with environment light intensity. The performance life of batteries are 96 hours. This product is an appropriate light for various marine application, especially in fishing sector.





As the first designer and manufacturer of standard switch boards for vessels, offshore installations and oil and gas industries, the SYRAF with more than ten years of experience operates as one of the most reliable and active companies of the region. High-tech methods and parts together with high quality assembly and manufacture in compliance with relevant international standards, have made SYRAF switch boards and control panels be rated as the best and safest products in compare with similar produced by other international companies.

Switch Boards & Control Panels

- Boards and panels produced by SYRAF Company consist a wide range of distribution and control panels, main switch boards, transformer named a few, in the low voltage range and up to IP 68 protection class. All design and manufacture stages to produce the above boards and panels are based on international standards under the supervision of international classification institutions, product certificates offered by these institutes confirm the SYRAF products high quality.



Cooperation with the region's greatest ship yards indicates the SYRAF Company's special attention to the issues high quality, special design and observation of manufacturing standards, customer needs and after-sale services.



Ship Building

- Helped by experienced professionals and with its valuable experience in the field of manufacturing, mounting and commissioning of marine equipment, keeping its cooperation with the world's reputable ship yards, and stepping forward side by side with the region's greatest ship manufactures, SYRAF company began to design and manufacture various types of specialized light vessels of marine aluminum and steel since 2007. Passenger boats, work boats, crew boats and pleasure boats can be mentioned, among others. SYRAF Company has specific focus on product efficiency and customer needs as per international standards. Further, high quality and competitive price of SYRAF products has allowed the company to provide international markets with fair price, high efficiency vessels in professional fields. The company's attention to utilizing clean energies in vessel construction further helps it to take, for its products, a new approach different from other international products.





Ship Design

- We are bringing together experience, the ability to innovate and state-of-the-art equipment to set the standard for the future of ship design. Our goal is designing the best possible ship, which is why we cover every aspect of the process, from concept through to design, equipment selection, procurement, systems engineering and integration to production engineering.





- All SYRAF vessels are manufactured within the strict framework of international standards and have all essential certificates from reputable international marine classification institutes.





Supply

- SYRAF Company is one of the major suppliers of customers' requirements in marine industries. The company's vast collaboration with other reputable international companies and brands which are well busy in manufacturing pieces of equipment allows the company to be able to satisfy demands of such subgroups as electrical, safety, navigation, navigation aids, and out-fitting named a few. The company, considering its commitment against its customers, efforts to supply only the items which are well-approved by the company's experienced engineers and for which the company is capable of providing after-sales services.

Of important features of the company's equipment supply business is the free consulting services by the company's professional engineering teams to offer the best strategies and well-satisfy customers' needs in various applied



marine and oil and gas industries.

Storage of reasonable amount of items required by marine industry customers in the company's warehouse as well as fast direct supply of equipment from reputable marine brands allow the company to succeed to offer on-time services to accommodate its customer's needs.





Services

- With 16 years of brilliant experiences in marine industries, SYRAF Company is honored to operate as an active company in various fields of marine industry in Iran. Presence of professional executive teams and experienced experts makes the company capable of offering safe, quality services with the best timing.

Some fields in which the company offers services are presented below:



- Offering designing, telecommunication and electrical services for a wide range of vessels and offshore installations.
- Providing installation and commissioning services for various types of equipment, vessels and offshore installations (including electrical, piping, navigation, communication and safety equipment.)
- Providing purchase engineering services for marine projects.
- Providing professional consulting services for offshore vessels construction and renewable energies.
- Offering technical and professional training for marine users.



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