



شاراندیشان صنعت  
Technical & Trading Co.  
SharAndishan



تهران ، خیابان شهید مطهری ، انتهای خیابان کوه نور  
پلاک ۲۴، طبقه سوم، واحد ۶  
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**Our Goal****Engineering & Purchasing Services**

with the basis :

- ◆ Offering Innovative and state-of-the art products .
- ◆ Supplying of materials and equipments as per international standards/ codes and providing certificates from well-known TPA authorities (SGS, Lloyds, BV) .
- ◆ Acceptance of responsibility against supplied materials in order to gaining client's assurance .
- ◆ Joint venturing and transferring advantages of manufactures's know-how for better services, if required.

**SharAndishan** sanat co is exclusively focused on serving comprehensive products facilities for oil & gas, power plant, petrochemical complexes, refineries, construction industries with its headquarters in Turkey & Germany. It has expanded its operations over the last years for supplying of:

- ❖ Automation and process control facilities including pressure/temperature/level gauge, indicator, transmitter, switches and flow meters (as indicator/transmitter) along with pneumatic and motorized control valves
- ❖ It offers the complete process packaged units for wide variety of applications as skid mounted including diesel generators, air compressor packages, chemical packages and etc.
- ❖ F& G systems, fire fighting systems and safety equipments as well.
- ❖ Introducing "heat transfer technology" via offering plate heat exchangers (PHE) and electrical heat exchangers to find the most effective and innovative ways to our customer's requirements .
- ❖ Introducing custom-designed and high performance "industrial liquid and gas filters" for extreme conditions in chemical and petrochemical plants without any malfunctions served as automatic or self-cleaning and twin type .
- ❖ Mobilization of MFG's workshops including of equipment arrangement, supply, installation and training at customer site.
- ❖ S.S tubes like A213 TP304L, applicable in shell & tube heat exchangers / boilers, and other alloy tubes from best manufactures such as B.S Metal Co.
- ❖ Monitoring and measuring apparatus for environmental pollution agents .
- ❖ Measuring & experimental test apparatus for industrial or research centers .
- ❖ Supply of spare parts for machineries .

**اهداف ما**

خدمات فنی-مهندسی و تامین کالا

براساس

- ◆ ارائه محصولات نوین و تکنولوژی روز .
- ◆ تامین تجهیزات، مواد و قطعات صنعتی با حفظ کیفیت و رعایت استانداردهای بین المللی و ارائه گواهینامه های سازندگان .
- ◆ قبول مسئولیت کلی و نهایی پروژه ها به منظور ایجاد اطمینان کافی کارفرما .
- ◆ همکاری و انتقال دانش تجربی سازندگان خارجی، در موارد لزوم، برای ارائه خدمات بهتر.



شرکت شاراندیشان صنعت با رسالت تامین کالا و تجهیزات صنعتی و تکنولوژیک از کشورهای امریکای شمالی، اروپای غربی و ژاپن، به همراه سایر همکاران در ترکیه و آلمان با اتکا به تجربه چندین ساله خود در شرایط دشوار محدودیت های بین المللی آمادگی خود را برای همکاری و ارائه خدمات تامین کالا در زمینه های تخصصی ذیل اعلام می نماید :

- ❖ تجهیزات اتوماسیون و ابزار دقیق شامل تجهیزات اندازه گیری جریان سیال، سطح سیال، فشار، دما و شیرهای کنترل پنوماتیکی و برقی .
- ❖ پکیج های صنعتی (شامل انواع دیزل زینر اتورها، پکیج تامین هوای ابزار دقیق، شیمیایی، و...)
- ❖ تجهیزات سیستم (F&G) و همچنین تجهیزات ایمنی و اطفاء حریق .
- ❖ معرفی تکنولوژی روز مبدل های حرارتی صفحه ای (PHE) و مبدل های الکتریکی (Electrical Heater)
- ❖ معرفی تجهیزات فیلتراسیون صنعتی آب، گاز و روغن، با عملکرد عالی برای شرایط کاری بحرانی، بدون نیاز به تعویض کارتريج (Self-Cleaning) از شرکت BOLLFILTER آلمان .
- ❖ تجهیز کارگاههای ساخت :شامل جانمایی، تامین، نصب، راه اندازی و آموزش دستگاههایی نظیر CNC، Grinding Machine و... از بهترین سازندگان اروپای غربی، کره جنوبی و تایوان
- ❖ تیوب های استنلس استیل نظیر A213 TP304L و سایر موارد آلیاژی قابل مصرف در ساخت مبدل های حرارتی و... از شرکتهای معتبر کره جنوبی نظیر B.S Metal Co. به همراه کلیه گواهی های تست و بازرسی .
- ❖ تجهیزات پایش و اندازه گیری آلاینده های زیست محیطی
- ❖ تجهیزات اندازه گیری و تست آزمایشگاه های دانشگاهی-پژوهشی، صنعتی، زیست محیطی، آب و فاضلاب، مدیکال و...
- ❖ تامین قطعات یدکی تجهیزات صنعتی از جمله پمپ، موتور، ژنراتور و توربین از شرکتهای اروپایی، امریکایی و ژاپنی

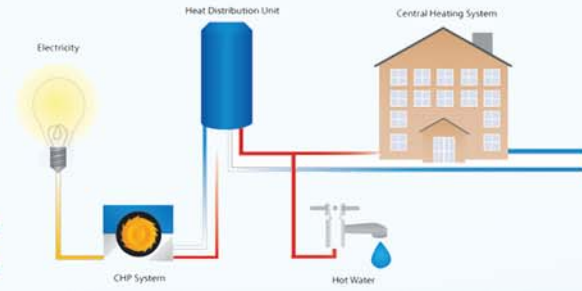


## CHP & CCHP System

CHP (Combined Heat & Power) &

CCHP (Combined Cooling, Heating & Power Generation Systems)

- امکان سنجی استفاده از سیستم های CHP و CCHP در مجتمع های صنعتی .
- تامین پکیج های فوق از سازندگان معتبر بین المللی .
- نصب و راه اندازی سیستم های CHP به صورت پکیج در ظرفیت های کمتر از 1MW .



- Feasibility study of CHP & CCHP systems for industrial complexes .
- Supply of CHP packages from reputable international manufactures .
- Installation and running of CHP systems for capacities below 1MW .



## Solar Energy

- امکان سنجی استفاده از پکیج های انرژی خورشیدی برای تامین آب گرم مصرفی جهت ساختمان های صنعتی .
- تامین پکیج های خورشیدی از بهترین سازندگان داخلی و خارجی .
- Feasibility study of solar energy packages enjoying in producing domestic hot water for industrial buildings .
- Supplying of solar package from domestic & oversea manufactures .



## CNG Station

- طراحی و جانمایی جایگاه های CNG بر اساس دسته بندی سازمان بهینه سازی سوخت کشور .
- تامین کمپرسورهای گاز جایگاه از سازندگان مورد تایید سازمان بهینه سازی .
- تامین سیلندرهای ذخیره سازی از فولادهای آلیاژی و فایبرگلاس از سازندگان مورد تایید سازمان بهینه سازی .
- Design of CNG bays with regard to IFCO types .
- Supply of CNG compressor packages from MFG approved by IFCO .
- Supply of CNG bank cylinders of material C.S & GRP from MFG approved by IFCO .



## Workshop Machineries

- طراحی و جانمایی تجهیزات کارگاههای ساخت
- تامین، راه اندازی و آموزش دستگاههای CNC ، Lapping ، و .... جهت کارگاههای ساخت
- Design and general arrangement of workshop facilities & on-skid machineries
- Supply, running & training of machineries such as CNC, Lapping machine, , , ,



## Industrial Valves

### Type of Valves

- Gate Valve
- Globe Valve
- Ball Valve
- Butterfly Valve
- Plug Valve
- Check Valve
- Safety Valve
- Diaphragm Valve
- Spherical Disk Valve
- Needle Valve
- Pinch Valve

Sizes 1/2"-72"

### Body Material

- Carbon Steel : A105, LF2 / ASTM A216 WCB, ASTM A352 LCB or LCC
- Alloy Steel : A182 F1, F5, F11, F22 / ASTM A217 WC1, WC6, WC9, C5
- Stainless Steel: A182 F304/304L, F316, F316L / ASTM A351 CF3/3C/3M, CF8/8M
- Duplex :ASTM A890 4A, ASTM A890 6A
- Bronze
- Brass
- Special Materials: Monel, Hastelloy, Inconel, Alloy 20, Nickel, Titanium
- Ceramic Lined
- PE/Rubber/Teflon Lined
- (the process of production is mainly as form of cast and forged)

Trim: %13Cr, 304, 316, 316L, 321, F-51

### Power Operation:

- Hand Wheel /Hand Operate
- Pneumatic
- Electrical actuator
- Hydraulic

### End Connection

- Flanged
- Threaded
- Socket weld
- Butt weld

Pressure Rating: Class 150lbs-5000lbs

Design STD : API.600, API.602, API.6D, ASME B16.10  
BS5351, BS5352, MSS SP72

### Special Items

- Steam Trap
- Flame Arrestor
- In-Line Strainer
- Expansion Joint
- Sight Glass
- Insulation Flange Kit
- Sample Cooler

### Process Operation:

- Control Valve
- Stop Valve
- LBV(Line Break Valve)
- GOV(Gas Operated Valve)
- Vacuum Breaker
- Blow off Valves
- Safety Relief Valve
- Pressure Relief Valve
- Pressure Vacuum Relief Valve
- Thermal Relief Valve
- Minimum Flow Valve
- Self Regulating Valve
- Tank Blanketing Valve
- Recirculation Valve



## Flange & Fitting

### Flange

- Type :**
- Welding Neck(WN)
  - Slip ON(SO)
  - Socket Welding(SW)
  - Blind(BL)
  - Lap Joint
  - Screwed Flange(SF)
  - Plate Flange

- Size(In) :**
- WN,SW, BL, LJ, SO 1/2"-72"
  - SF, PF 1/2"-12"

**Rating:** Class 150lbs, to 6000lb

**Material:**

- Carbon Steel (CS), Stainless Steel (S.S)
- High Alloy Steel(A.S)

**Standard:**

- CS ASTM A105, A105N
- SS ASTM A182 Gr. F304, F316
- AS ASTM A350 Gr. F11, F12

**Dimension:** ASME B16.5

### Fitting

- Type:**
- Elbow 90 Long Radius (LR) Elbow 90 Short Radius (SR)
  - Elbow 45 Long Radius (LR)
  - Elbow 45 Short Radius (SR)
  - Tee Equal
  - Tee Reducing
  - Cross Equal
  - Cross Reducing
  - Reducer Con.
  - Reducer Ecc.
  - Lap Joint Sub Ends
  - Caps
  - Union
  - Coupling
  - Hex Nipple

**Size:** 1/2"-48"

**Thickness:** Sch5 – Sch160

**Rating:** Class 150lbs-6000lbs for High Pressure

**Material :** Carbon Steel(CS), Stainless Steel(SS)  
High Alloy Steel(AS)

**Standard:** CS; ASTM A234 Gr. WPB  
SS: ASTM A182 Gr.F304, F316, F316L,  
ASME B16.9,

- Ends:**
- Flanged (FLG)
  - Socket Weld (SW)
  - Bott. Welding (B.W)
  - Screwed



## Plate Heat Exchanger

**Inlet/Outlet Nozzle Dia:**  
DN32 – DN300

**Connection Type:**  
STUDDED, FLANGED, ALLOY CLADDED,  
RUBBER

**Max. Flow Rate:**  
15-1550m<sup>3</sup>/h

**Working Pressure:**  
PN10-PN25

**Working Temperature:**  
120°C – 120°C

**Material:** Heat transfer plates mainly produced from SS304, SS316, SMO, Hastelloy,  
Titanium 0.5mm to 1 mm plate sheets

### Applications:

- HVAC
- Marine
- Machines
- Power Plant
- Steel Industry
- Sugar Industry
- Automotive Industry
- Textile Industry

### Type of Construction

Gasket Types (EPDM, NBR, VITON)  
Semi-Welded Plate



## Electrical Heat Exchanger

### Specification of Vessel

- PED Standard
- ASME VIII
- Other relevant design spec.

### Material of Vessel:

- Carbon Steel
- Austenitic S.S: 304, 310S, 316, 321
- Thermo nichrome: Incoloy 800H
- Titanium metal
- Customization to your needs

### Material of Tubing :

- Alloy Inconel 600
- Incoloy 800/840
- Hastelloy
- Stainless Steel: 304, 321, 310S, 316L

### Product Features:

- The power of single heater up to 2000KW can be arranged in series
- Ingress Protection IP66, temperature class : T1-T6
- Zone 1& 2 hazardous area application, Gas Group C
- Leakage Current: less than 0.5mA under operating temperature
- Insulation resistance: cold state ≥500MΩ; hot state ≥ 50MΩ
- Dielectric strength: Hi-pot > AC 2000V/1 min

### Typical Applications:

- Fuel Gas
- Natural Gas
- Industrial Gas
- CO<sub>2</sub>
- Crude Oil
- Fuel Oil
- Heavy Oil
- Lubricating Oil
- Nitrogen
- Hydrogen
- Methanol Vapor
- Fresh Water
- Sea Water



## Industrial Filters

### Simplex Filters

Application: Filtration of all liquids.

Size : DN 25 – DN300

Material: Cast Iron, C.S, S.S, Special alloys

Pressure Stages: PN6-PN500

Grades of Filtration: 0.5µm -5mm



simplex

### Duplex Filters

Application: Filtration of all liquids.

Size : DN 20 – DN250

Material: Cast Iron, C.S, S.S, Special alloys

Pressure Stages: PN10-PN500

Grades of Filtration: 0.5µm -5mm



Duplex

### Automatic Filters

Application: General, Marine & Power, Heavy Duty, Compact, Diesel Engine,

Size : DN 40 – DN400

Material: Cast Iron, C.S, S.S, Special alloys

Pressure Stages: PN6-PN16

Grades of Filtration: 6µm -5mm



Automatic

## HVAC System

### HEPA Filters

(99.99% for particles dia. ≥ 0.3µm )

### ULPA Filters

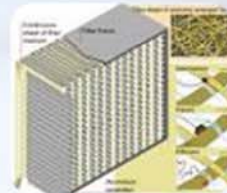
(99.9999% for particles dia. ≥ 0.12µm)

### SUPLA Filters

(99.9999% for particles dia. ≥ 0.12µm)

(max. velocity 3.0m/s)

- Exhaust Fans
- Motorized Dampers
- Motorized Volume Damper
- Motorized Fire Dampers
- Volume Damper
- Black Draft Damper
- Pressure Relief Damper
- Sound Attenuator
- Supply Diffuser
- Supply Register
- Return Grille
- Sand Trap Louver
- Balast Proof Valves



## Pipes & Tubes

We supply a comprehensive range of CS (Carbon Steel ), (Alloy Steel) and SS(Stainless Steel)

### Carbon Steel Pipe & Tube

- Type:**
- Seamless pipe & tube (SMLS)
  - Electric Resistance welding pipe(ERW)
  - Large diameter arc welding pipe(SAW)
  - Spiral welded pipe(SSAW)
  - Butt-welded pipe(BW)
  - Galvanized pipe(GALV)
  - Carbon Steel Coated pipe
  - Line pipe
  - Boiler & heat exchanger tubes
  - GRP (Glass Reinforced Pipe)
  - HDPE ( High Density Poly Ethelen )

- Size:**
- SMLS 1/8"-30"
  - ERW 2"-48"
  - SAW 16"-72"
  - SSAW 16"-120"
  - BW 1/8"-12"
  - GAL 1/8"-12"
  - BOILER 1/8"-5"

**Schedules:** Sch10, Sch160

### Standard & Grade:

- API-5L Gr.B, X42, X52, X60, X65
- ASTM A53, A106 Gr.B
- ASTM A33 Gr.6
- ASTM A213, A249, A179



### Stainless Steel Pipe & Tube

- Type:**
- Seamless stainless steel pipe & tube (SMLS)
  - Welded stainless steel pipe
  - Large diameter arc welding pipe(SAW)

- Size:**
- SMLS 1/8"-30"
  - ERW 1/8"-40"
  - High pressure 1/8"-6"
  - Schedules: Sch5S-Sch80S
  - Standard & Grade: ASTM A312, A269 ( TP304, 316L )
  - High Alloy Steel Pipe & Tube
  - Type: High alloy seamless tube & pipe

**Size:** 1/8"-24"

**Schedules:** Sch.10, Sch.160

**Standard & Grade:** High alloy seamless tube & pipe



### High Alloy Steel / S.S Tubes & Other Alloys

- Copper alloy tube: C4430, C6870, C7060, C7150
- Fin Tube: Low fin tube, spiral fin tube, L-Fin, G-Fin, Extruded fin,...
- Stainless tube: S304, S316, S321,..... from Korea.
- Seamless titanium tube: B338
- Seamless / Welded carbon & Alloy steel Tube: A179, A214, T11.....
- Gas Welding Tip: Copper & Copper alloy tip
- Plate: C7060, C7150, C4640, C6300,...
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### Special Alloy Steel

- Inconel 600
- Duplex S.S
- Super Duplex S.S (SAFUREX) from SANDVICK CO.



## Instrument

### Pressure Measuring

- Pressure & diff. Pressure transmitter
- Pressure & diff. Pressure gauge
- Pressure & diff. switch
- Pressure switch
- Pressure Indicator
- Manometer

### Temperature Measuring

- Temperature transmitter
- Temperature sensor (Thermocouple)
- Temperature switch
- Temperature gauge

### Flow Measuring

- Rotameter
- Spring and Piston
- Mass Gas
- Ultrasonic
- Turbine
- Paddlewheel Sensors
- Positive Displacement
- Positive Displacement• Vortex Meters
- Pilot Tubes
- Magnetic
- Anemometers
- Orifice Plate

### Level Measuring & Parts

1. Magnetic Level Gauge
2. Magneto strictive
3. RF Transmitter
4. Radar
5. Ultrasonic
6. Magnetic Switch
7. Float Switch
8. RF Switch
9. Vibrating Fork
10. Thermal Dispersion
11. Seal Pot

### Other Instrument (Special Items)

- Corrosion Probe
- Gas Detector
- Radioactive Gas Detector



Gauges



Indicator



Indicator



RTD &amp; Transmitter



Pyrometer



Level Measuring

## Air Compressor Packages

### General Technical Specification

- Type:**
- Axial
  - Centrifugal
  - Reciprocating
- Flow Rate:** 100-10,000 Nm<sup>3</sup>/h  
**Input Air Pressure:** Atm.  
**Output Pressure:** 5-10bar  
**Consumption Power:** 10-1500 KW  
**Application:** Process, Service and Instrument Air  
**Design Standard :** API617, AP618, ISO1940  
**Power Source:** Electromotor, Steam Turbine  
**Origin:** EU, S.Korea



## Gas Compressor Packages

### General Technical Specification

- Type:**
- Axial
  - Centrifugal
  - Reciprocating
- Flow Rate:** 100,000-450,000 Nm<sup>3</sup>/h  
**Suction Pressure Range:** 15-130 barg  
**Discharge Pressure:** 45-250 barg  
**Consumption Power:** 5000-25000 Kw  
**Application:** NG Pressure Increasing Stations, Natural Gas Injection to IGAT /Header Ilines  
**Design Standard :** API617, API618, ISO1940  
**Power Source:** Electromotor, Gas turbine Coupling



## Industrial Diesel Generators

### General Technical Specification

- Rated Power:** 250-4500KVA  
**Rated Voltage:** 400, 3phase,4wire  
**Frequency:** 50Hz  
**Protection Grade:** General IP23 / Panel IP54  
**Insulation Grade:** H  
**Gross Weight:** 150 – 3500 kg

**Origin:** EU, GE, Taiwan, S.Korea

**Manufacture:** MWM, DEUTZ, Cummins, Wartsila

