

GHALTAK SAZAN SEPAHAN

Oil and Gas industry
Introduction



Holding Company

Holding Company

Casting plant for Rings & Rolls

Casting plant for Billet Casting , Cast Iron and Heavy Steel Parts

Machining Factory



Casting and Manufacturing Sites

GSCO

Casting plant for Billet

Casting plant for Cast Iron
and Heavy Steel Parts



- ✓ Total Melt Capacity: 215,000 Ton per year
- ✓ Total Area: 63,000 m²

Variety of Products



Cement Industry



Auto Industry



Billet and Ingots

Main Products

Oil and Gas industry



Steel Industry



Power Plant Industries



Casting plant for Billet

- Production of Billet by Continuous Casting



- Production of Carbon steel □ Low Alloy Steel and Alloy Steel Billet with sections :



100*100
120*120
125*125
130*130
150*150
160*160

Casting plant for Cast Iron and Heavy Steel Parts

- Production of Ingot Molds and Accessories
- Production of Cast Iron and Heavy Steel Parts up to 100 Ton





Oil and Gas industry

Oil and Gas industry

► Introduction

Oil and Gas industry

► Valve:

- One important component for the transfer of materials in the oil and gas

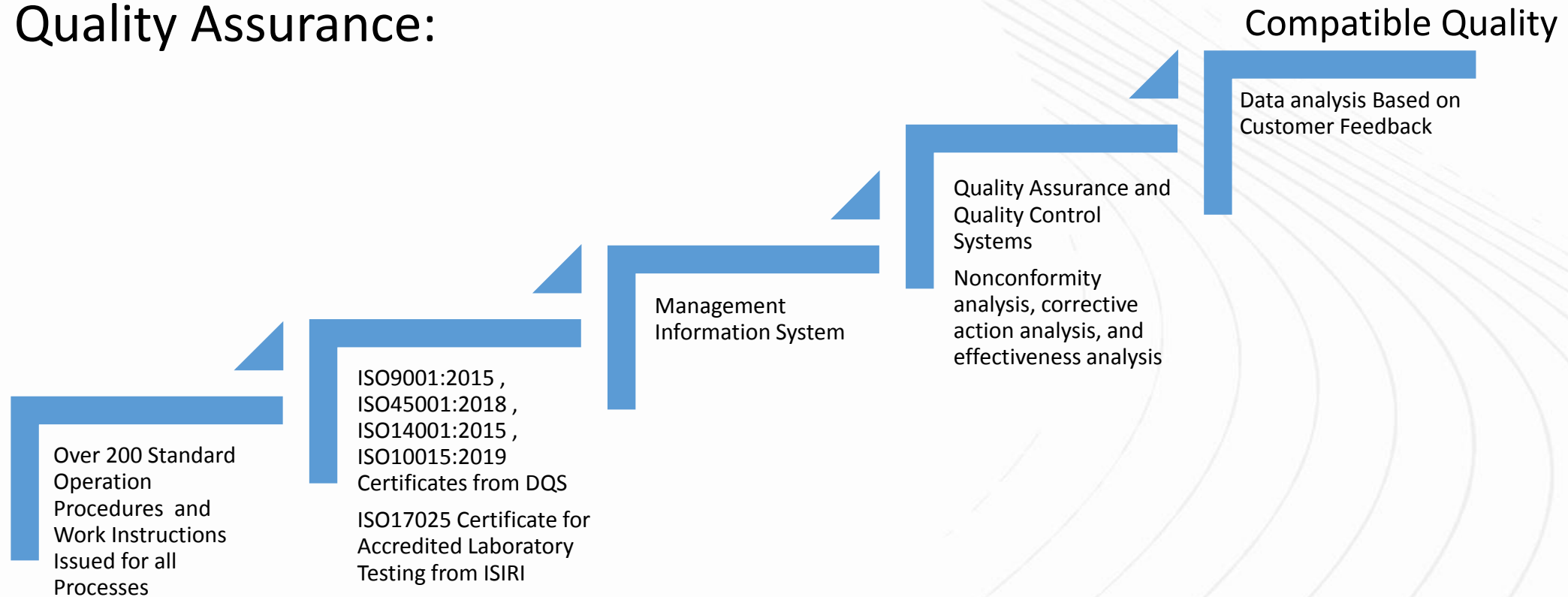


Oil and Gas industry

► Design and Engineering

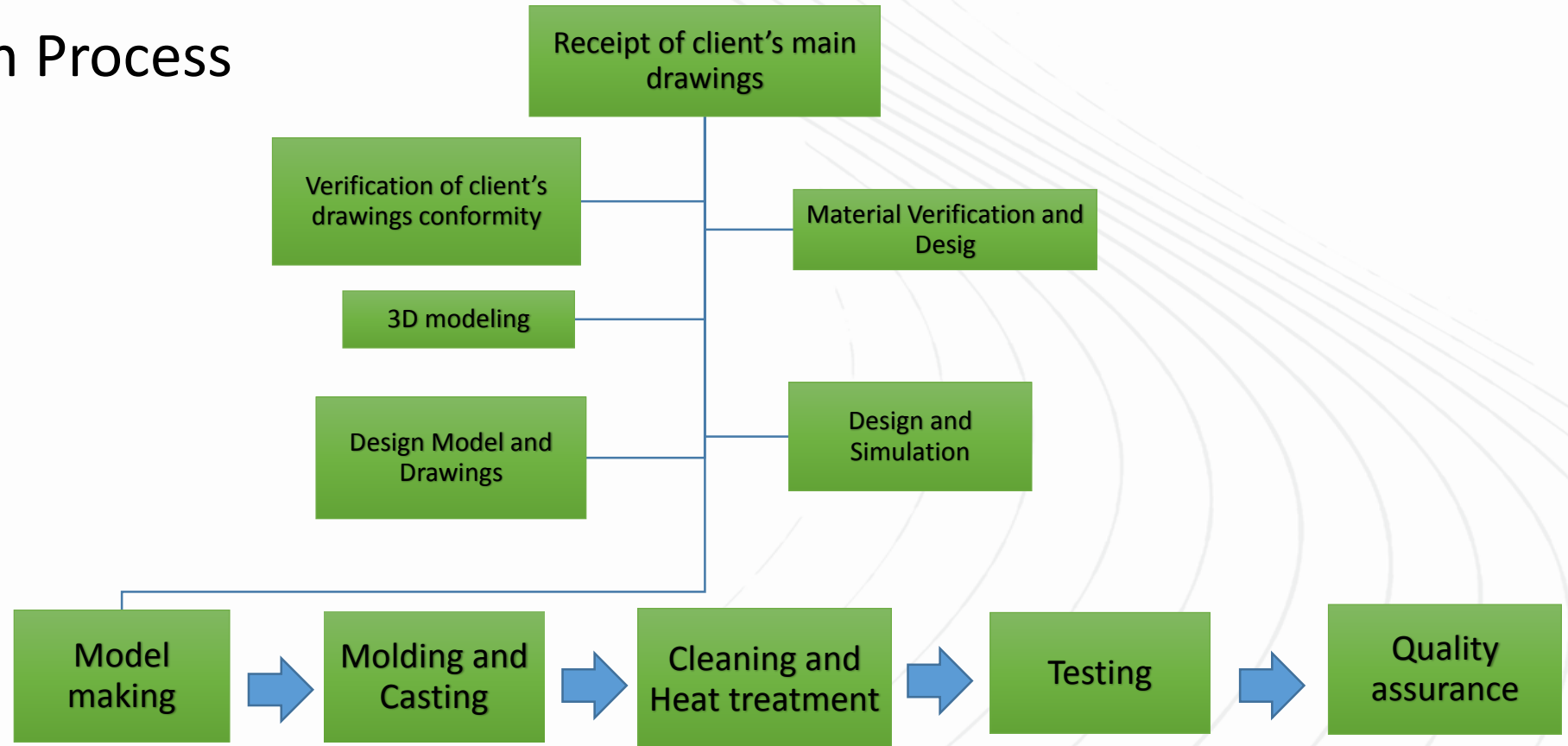
Oil and Gas industry

- Quality Assurance:



Oil and Gas industry

- Production Process



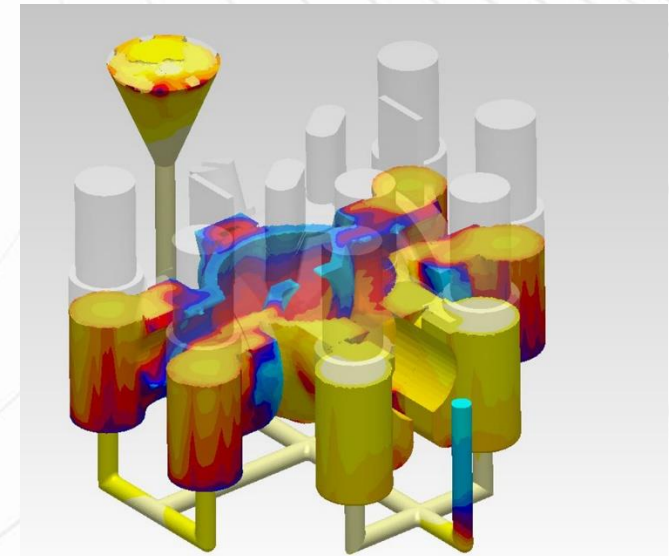
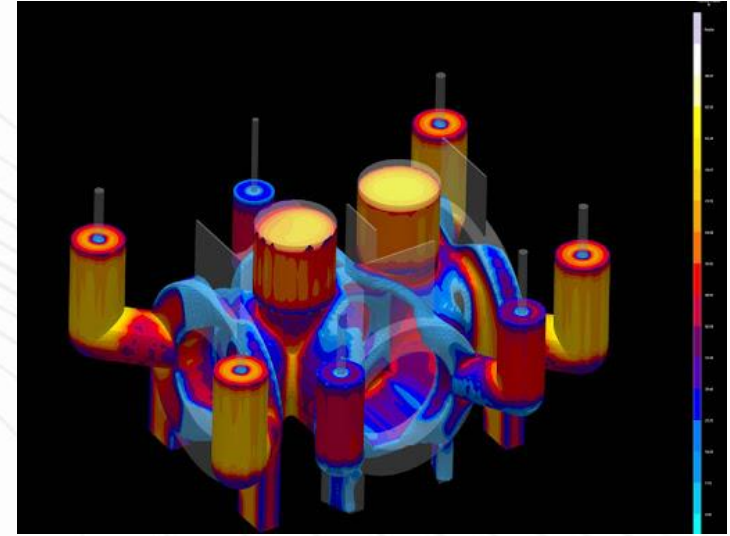
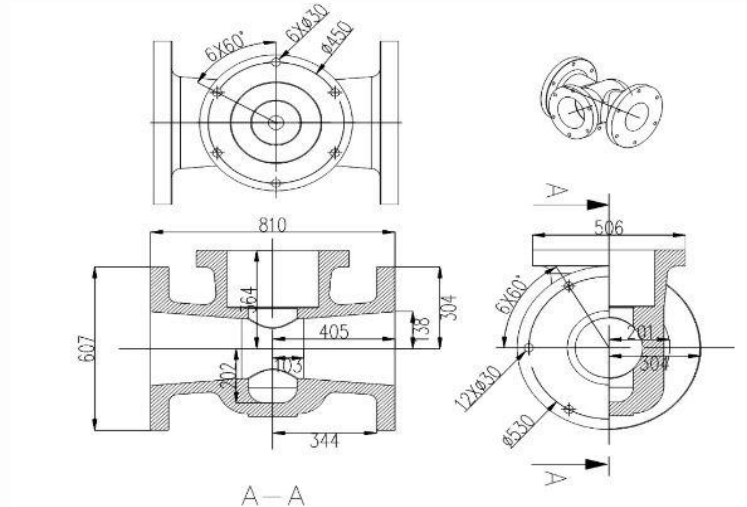
Oil and Gas industry

- **Product design**

- ▶ **Facilities:**

Highly motivated and proficient design and engineering team:

- Conceptual design
 - Design and simulation



Oil and Gas industry

► Modeling workshop

► Facilities:

- ✓ 2 CNC machine for foam machining of casting model
- ✓ Max. dimensions: 2500*6000 mm



Oil and Gas industry

► Modeling workshop

► Facilities:

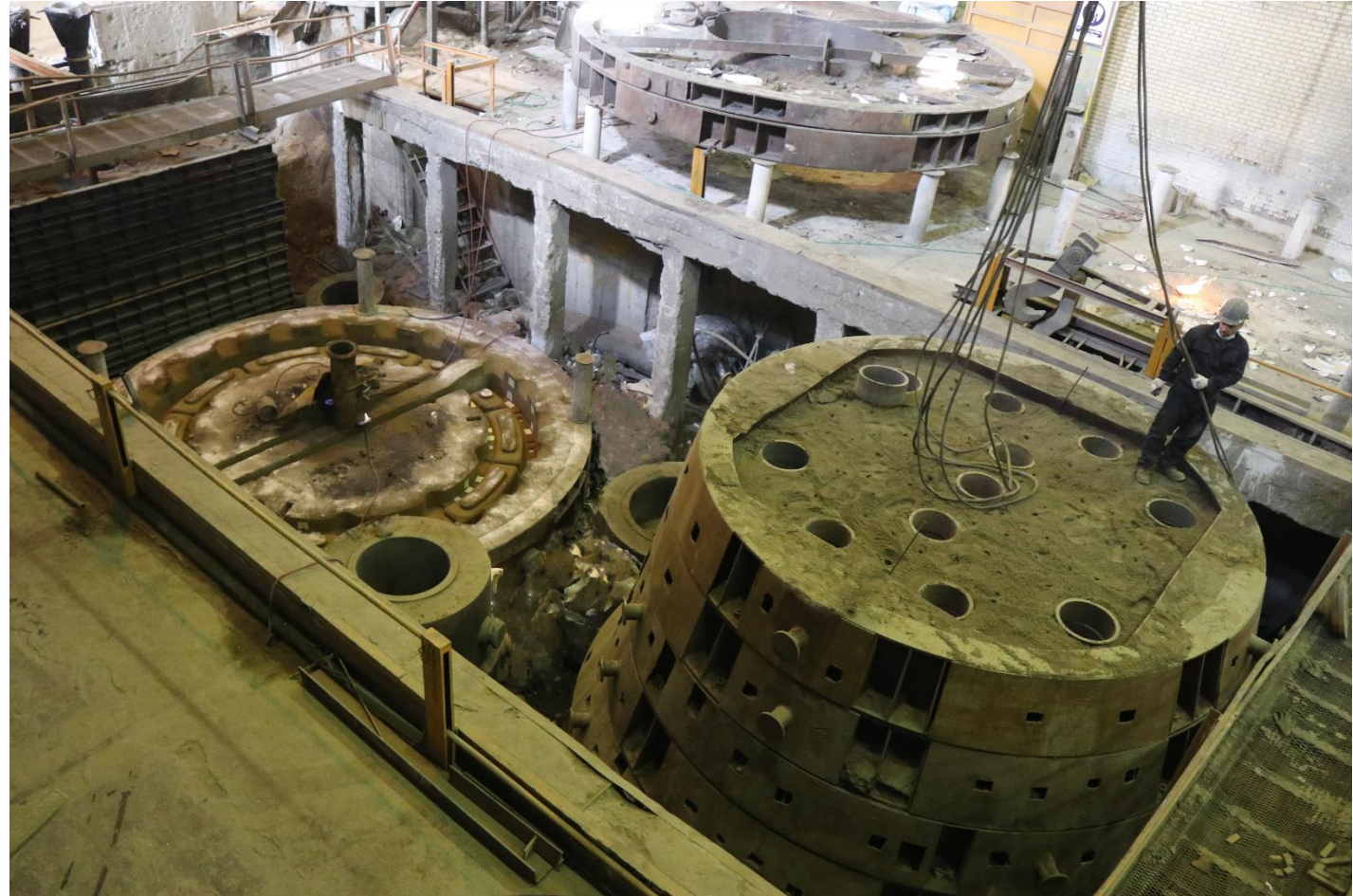
- ✓ Capacity for making of various wooden models of casting parts



Oil and Gas industry

- **Molding**

- ▶ Facilities:
- ▶ 3 Pit with various dimension



Oil and Gas industry

► Melting

► Facilities:

- **Melting furnaces**

✓ 16 Medium frequency Induction furnaces:

Capacities: 25, 17, 13, 6, and
4 tons



Oil and Gas industry

► Casting

► Facilities:

- **Pouring Ladles**

- ✓ 8 Various types of ladles

Capacities: from 5 to 16 tones

- ✓ 2 Special types of ladles

Capacities: 35 and 25 tones



Oil and Gas industry

► Cleaning and Heat Treatment

► Facilities:

- 4 Heat treatment chambers
- ✓ For Annealing, Normalizing, quenching, and Stress relieving of various sizes and shapes of casting parts
- ✓ Max. dimensions: 5*6*10 m
- ✓ Max. working temperature: 1100 °c
- ✓ Tem. accuracy: ± 5 °c



Oil and Gas industry

▶ Testing

▶ Facilities:

- ✓ 11 NDT man
- ✓ UT and Mt test devise
- ✓ Chemical analysis test
- ✓ Hardnest test
- ✓ Remelt devise
- ✓ Sand test
- ✓ Grain and impurity measurement software
- ✓ Metallography
- ✓ Hot Mounting



Oil and Gas industry

- Quality plan:

GH
QUALITASAZAN

Ghaltak Sazan Sepahan Co.
Quality Certificate of Product

Quality Certificate of Product

Project Name: Check Valve

Part Name: GBO1130G-22

Purchase Order: 399018

Drwaing No. : GBO1130G Q.C.00

Report No. : QC-1400-31


2021 MAY 22

7th St. Second Phase, East of Isfahan Industrial Zone, Isfahan - Iran

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Website: www.ghaltaksazan.com ; E-mail: info@ghaltaksazan.com

F-QC-85-07/07: کد مدارک



Ghaltak Sazan Sepahan Co.
Quality Certificate of Product

گھالتک سزان سپهان

Client Name: گھالتک سزان سپهان

Project Name: Check Valve

Project Enforced: Ghaltak Sazan Sepahan Co.

Component: GB01130G-22

Report No.: Q-C-1400-31/06

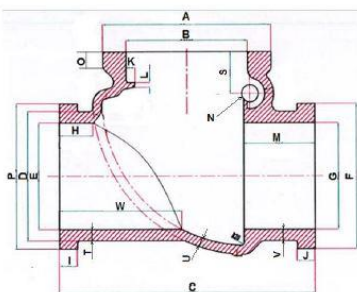
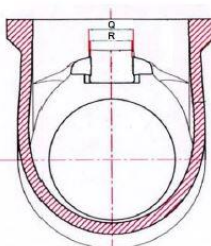
Material: ASTM A 216 - WC9

Standard: DIN 1683 - GTB18

Dwg./Rev. No.: GB01130G Q.C.00

Dimensional Control

Schematic

Dimension	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	T	U	V	
(As Per Drawing)	1620	1168	2458	1196	986	1346	986	324	172	172	85	44	684	160	150	1346	350	330	388	105	85	105	117
Tolerance	±11	±9.5	±15	±9.5	±7	±10	±7	±3.5	±4	±4	±3.7	±3.1	±6.5	±4	±4	±10	±5	±5	±5	±8	±8	±8	±11
Measured	1620	1170	2465	1200	990	1355	995	295	182	182	85	43	689	162	155	1355	342	325	392	106	83	107	111

Result: ☒ **Accept** ☐ **Repair** ☐ **Reject**

Inspector Name: METEZAHI

Signature:

Date: 2021 MAY 22

QC Representative: M.GHOFI SAZAN

Signature:

Date: 2021 MAY 22

Client Name:

Signature:

Date:

7th St. Second Phase, East of Jibreh Industrial Zone, Jibreh - Iran

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Oil and Gas industry

- **Sample products:**

Oil and Gas industry



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- **Thank You**