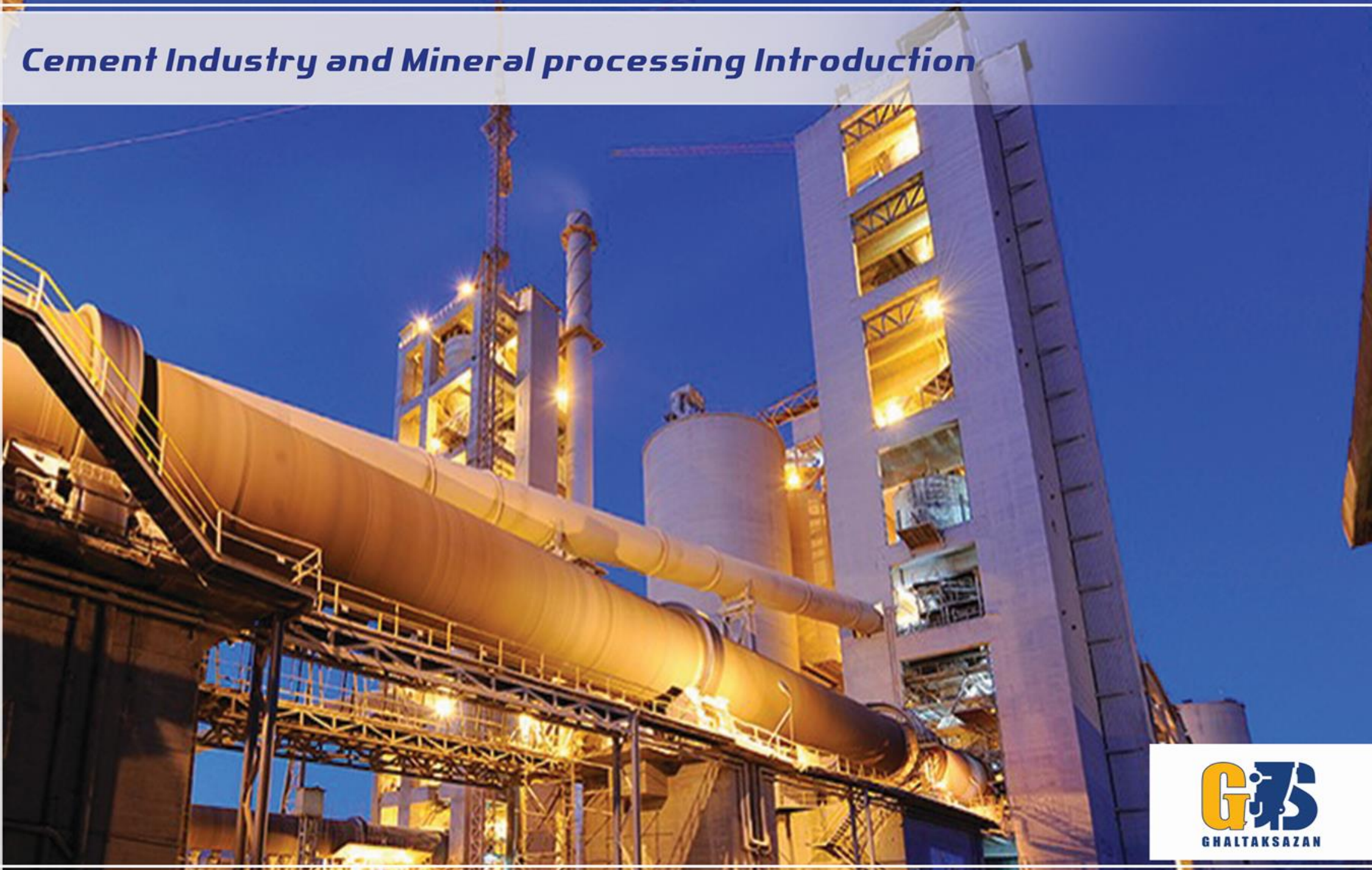




Cement Industry and Mineral processing Introduction

GHATAK SAZAN SEPAHAN



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

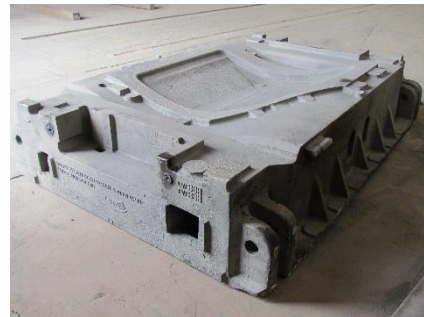


- ✓ Total Melt Capacity: 215,000 Ton per year
- ✓ Total Area: 63,000 m²

Variety of Products



Cement Industry



Auto Industry



Billet and Ingots

Main Products

Steel Industry

Oil and Gas industry

Steel Industry

Steel Industry



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



Cement Industry

Introduction

Cement Industry

► Ring:



Cement Industry

► Gear:



Cement Industry

► Roller :



Cement Industry

► Head wall :

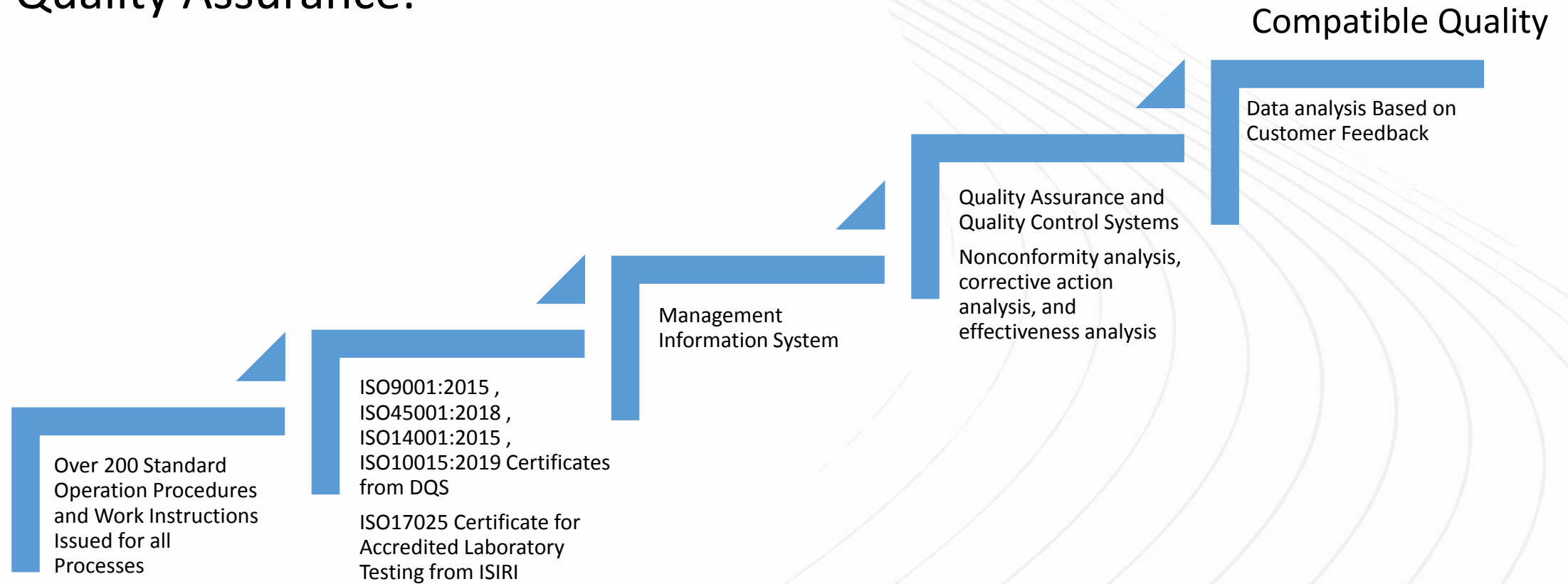


Cement Industry

» Design and Engineering

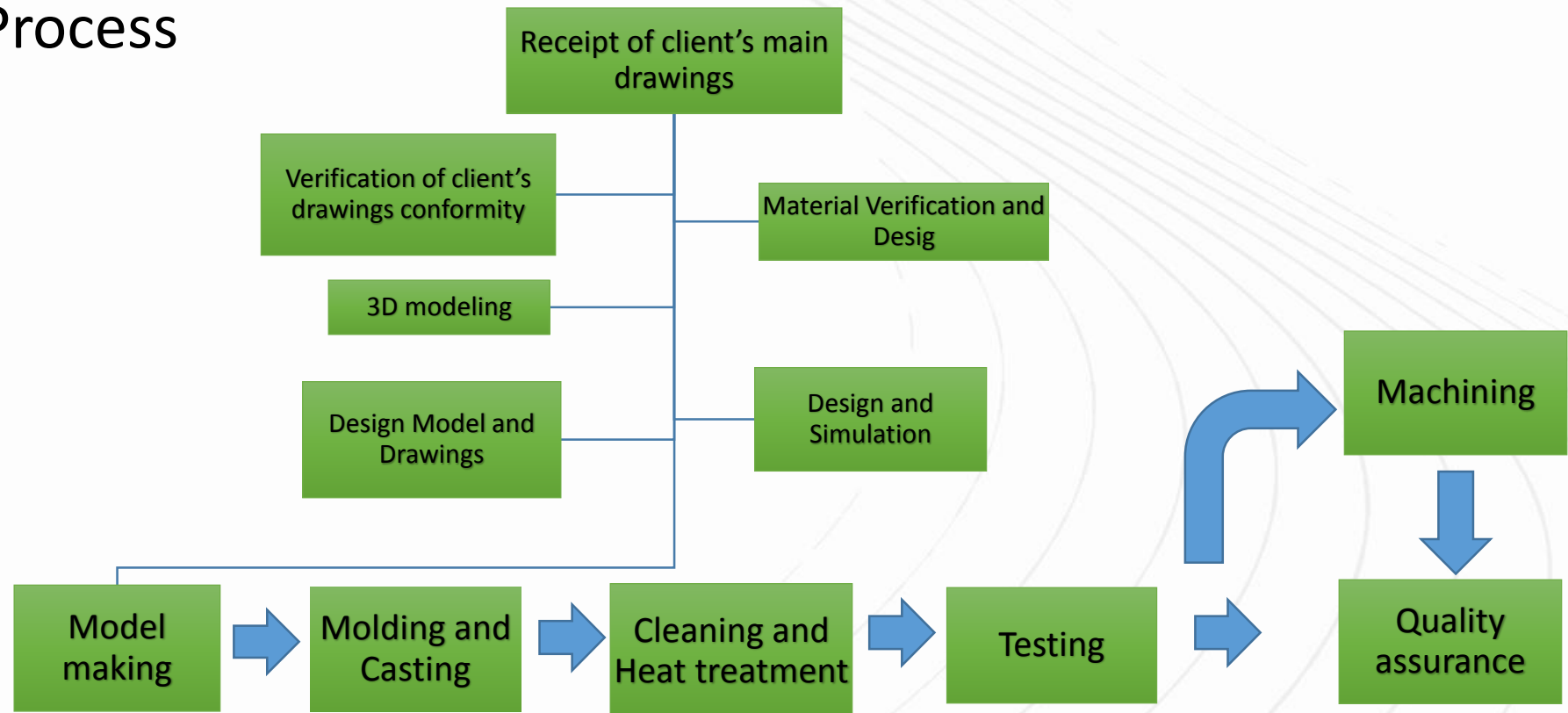
Cement Industry

- Quality Assurance:



Cement Industry

- Production Process



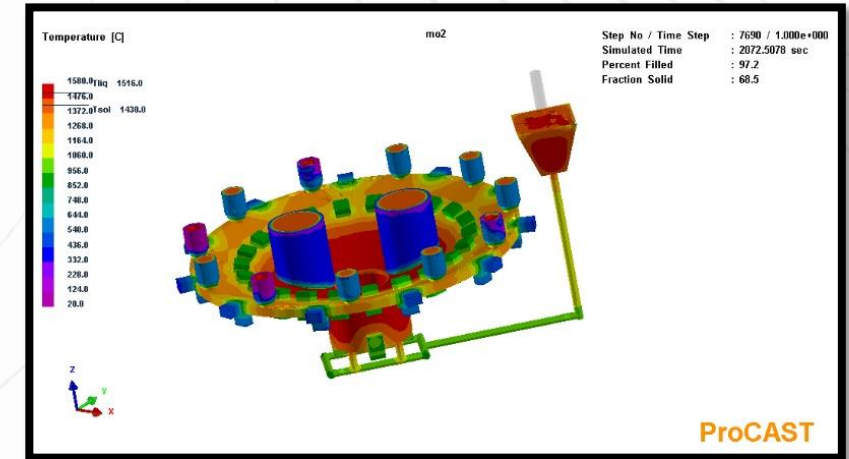
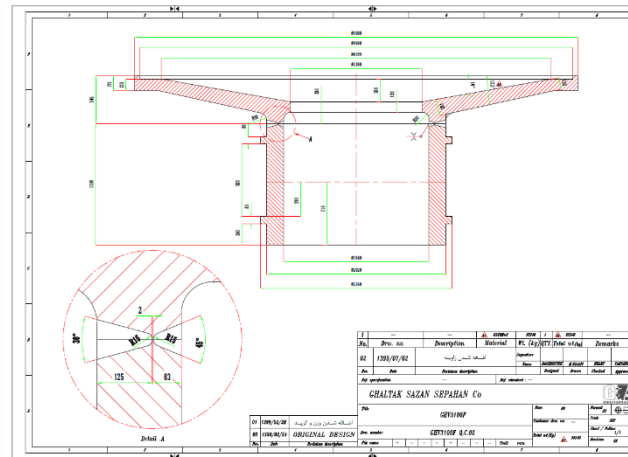
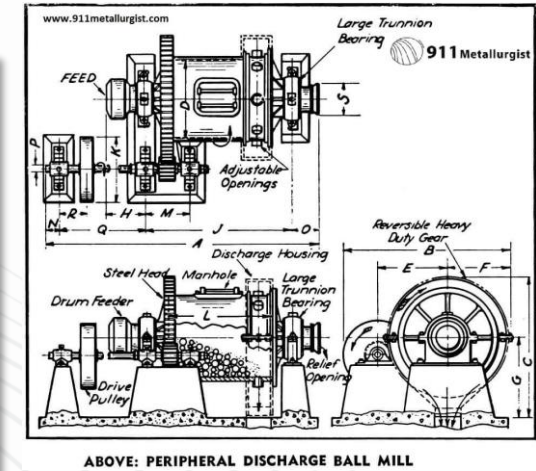
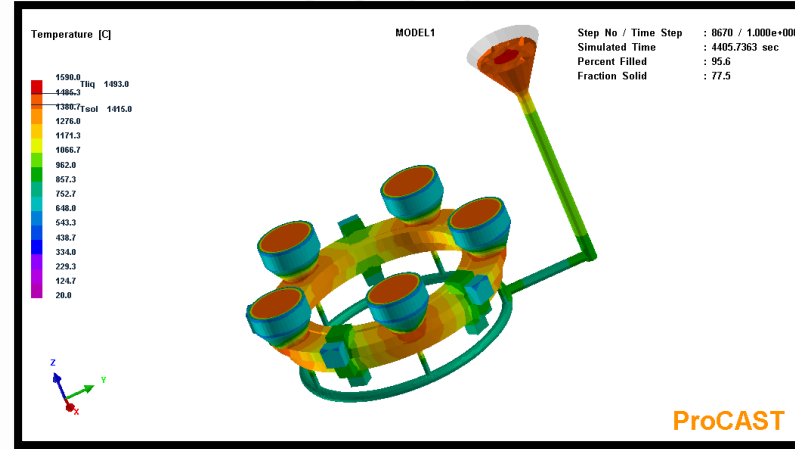
Cement Industry

- Product design

- ▶ Facilities:

Highly motivated and proficient design and engineering team:

- Conceptual design
- Design and simulation



Cement Industry

► Modeling workshop

► Facilities:

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



Cement Industry

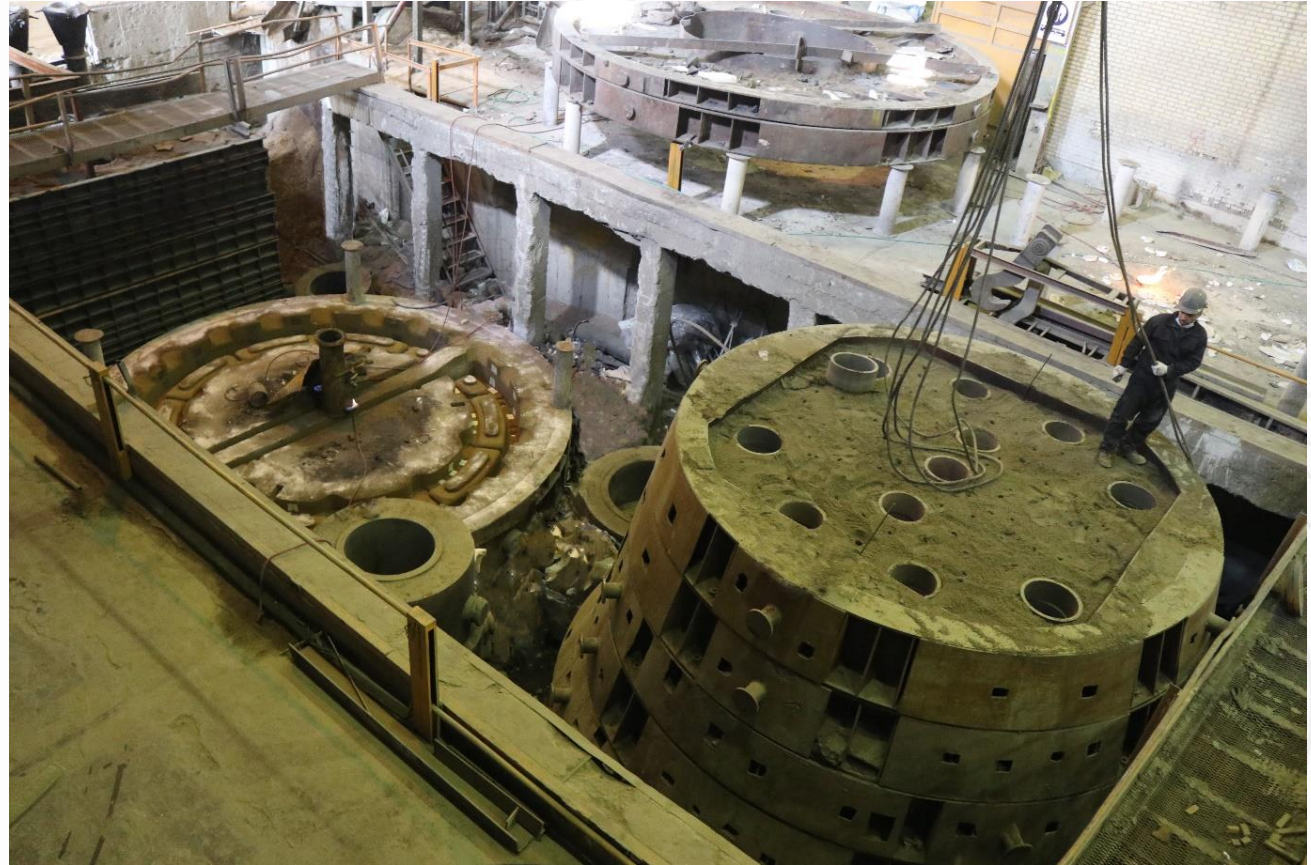
- ▶ Modeling workshop
- ▶ Facilities:
 - ✓ Capacity for making of various wooden models of casting parts



Cement Industry

- **Molding**

- ▶ Facilities:
- ▶ 3 Pit with various dimension



Cement Industry

- ▶ Melting
- ▶ Facilities:
 - **Melting furnaces**
 - ✓ 16 Medium frequency Induction furnaces:
Capacities: 25, 17, 13, 6, and 4 tons



Cement 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



Cement 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



Cement Industry

▶ Testing

▶ Facilities:

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



Cement Industry

- Quality plan:

Ghaltak Sazan Sepahan Co.
Quality Certificate of Product

Ultrasonic Test Report


Client Name: شرکت سپید سپاهان	Purchase Order: 399148
Project Name: GCH15001	Part Name: GCH15001
Project Enforced: Ghaltak Sazan Sepahan Co	S.No: 01,02
Component: GCH15001	Material: GS34Crmo4
Dwg./Rev. No.: -	Weight: -
QCP/Rev & Item No: ITP GCH15001	Standard: DIN 1690-3 LEVEL III

Ultrasonic Test Instrument

Maker: Czech	Type: Dio 562 (Portable)	Ser.No: 1368
Probe	Size: 824	Freq: 2 MHz
Calibration	Cal Block: Steel Reference Block Same As Material	Standard: DIN 1690-3 LEVEL III
Couplant: Wallpaper Paste	Procedure: S-QC-75-16	

Examination Method

Contact	Pulse Echo	Immersion	Through Transmission
Evaluation Method	Sensitivity Calibration:		
DAC	SDH	BW	FBH
Material Attenuation: 0.7 dB/cm	Sensitivity: FBH 8 mm		
Thickness: 50-450 MM	Surface Cond.: As Cast & Coarse Grinding	Gain Setting: 26~29dB	Percentage Test: 100%



NO	Type of Defect	Position	Size(Defect)mm	Remark
ALL	-	-	-	OK


Result: Accept ☒ Repair ☐ Reject ☐

QC Inspector: M. Ghalatyan
QC Manager: M. Ghalatyan

7th St. Second Phase East of Isfahan Industrial Zone, Isfahan - Iran
Tel: +98 31 46412659 ; Fax: +98 31 46412660
WebSite: www.ghaltaksazan.com ; E-mail: info@ghaltaksazan.com

Ghaltak Sazan Sepahan Co.
Quality Certificate of Product

Purchase Order: 399072
Part Name: GCH07801
S.No: 01,02




Date: 1399/12/19

7th St. Second Phase East of Isfahan Industrial Zone, Isfahan - Iran
Tel: +98 31 46412659 ; Fax: +98 31 46412660
WebSite: www.ghaltaksazan.com ; E-mail: info@ghaltaksazan.com

Ghaltak Sazan Sepahan Co.
Quality Certificate of Product

Purchase Order: 399103
Part Name: GBU26501
S.No: 01
شرکت اذر سپید سپاهان



Date: 1399/10/25

7th St. Second Phase East of Isfahan Industrial Zone, Isfahan - Iran
Tel: +98 31 46412659 ; Fax: +98 31 46412660
WebSite: www.ghaltaksazan.com ; E-mail: info@ghaltaksazan.com

Cement Industry

» Customers

Ring

**Kimia Machin
Alborz**

**Iranian Sanat
Padir**

**Sadid Seram
Novin Kav**

Gear

**Kimia Machin
Alborz**

Iranian Sanat Padir

**Sadid Seram Novin
Kav**

Omid Group

Roller

Fars Cement

Neyriz Cement

**Tiva Tejarat
Mahan**

**Kimia Machin
Alborz**

Head Wall

Kerman Cement

Kashi Asia

**Kimia Machin
Alborz**

Sofian Cement

Cement Industry

» Thank You