


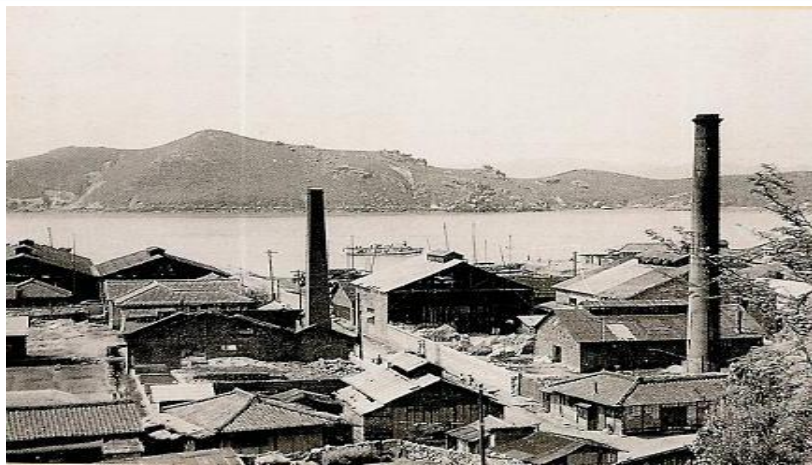
Introduction of

Chosun Refractories Co., Ltd

March. 2014

 Chosun Refractories Co., Ltd.

Company History



View of Mokpo Factory 1947



View of Kwangyang Factory

◆ **1947** – Foundation of Chosun Refractories Chemical industry (Mokpo)

◆ **1974** – Foundation of Pohang Factory #1

◆ **1978** – Foundation of Pohang Factory #2

◆ **1978** – Listing on Korean Stock Market

◆ **1986** – Foundation of Kwangyang Factory

◆ **1994** – Acquisition of Koean Sintered Metal & Club 900

◆ **1999** – Establish Joint Venture YGR in China

◆ **2003** – Establish Joint Venture ACR in China

◆ **2004** – Establish Joint Venture WCR in China

◆ **2005** – Establish Joint Venture ZPR in China

◆ **2006** – Establish Fine Tech Co.Ltd.

◆ **2013** – Establish IPCR in Indonesia

Domestic Offices & Factory of CR



Production of 2013
Unshaped Refractory : 61,000 MT/Year
SN : 3,500 MT/Year
CCN : 3,500 MT/Year

Production of 2013
Shaped Refractory : 40,000 MT/year
Unshaped Refractory : 91,000 MT/year
SN : 5,000 MT/year
CCN : 3,000 MT/year

Domestic Production:
207,000 MT/Year

Global Network

WCR (Wuhan)

- Foundation: Nov/2004
- Investment: U\$12M (60% Shares)
Capital: U\$ 19M
- Revenue: U\$ 14M
- Product: CCN, Unshaped
- Capacity: 45,000t/Year

YGR (Yingkou)

- Foundation: Aug/1999
- Investment: U\$ 4M (40% Shares)
Capital: U\$ 10M
- Revenue: U\$ 77M
- Product: MgO-C, AMC
- Capacity: 130,000t/Year

ZPR (Zhanggahang)

- Foundation: July/2005
- Investment: U\$ 0.4M (50% Shares)
Capital: U\$ 1M
- Revenue: U\$ 28M
- Product: Lining (Installation)

ACR (Anshan)

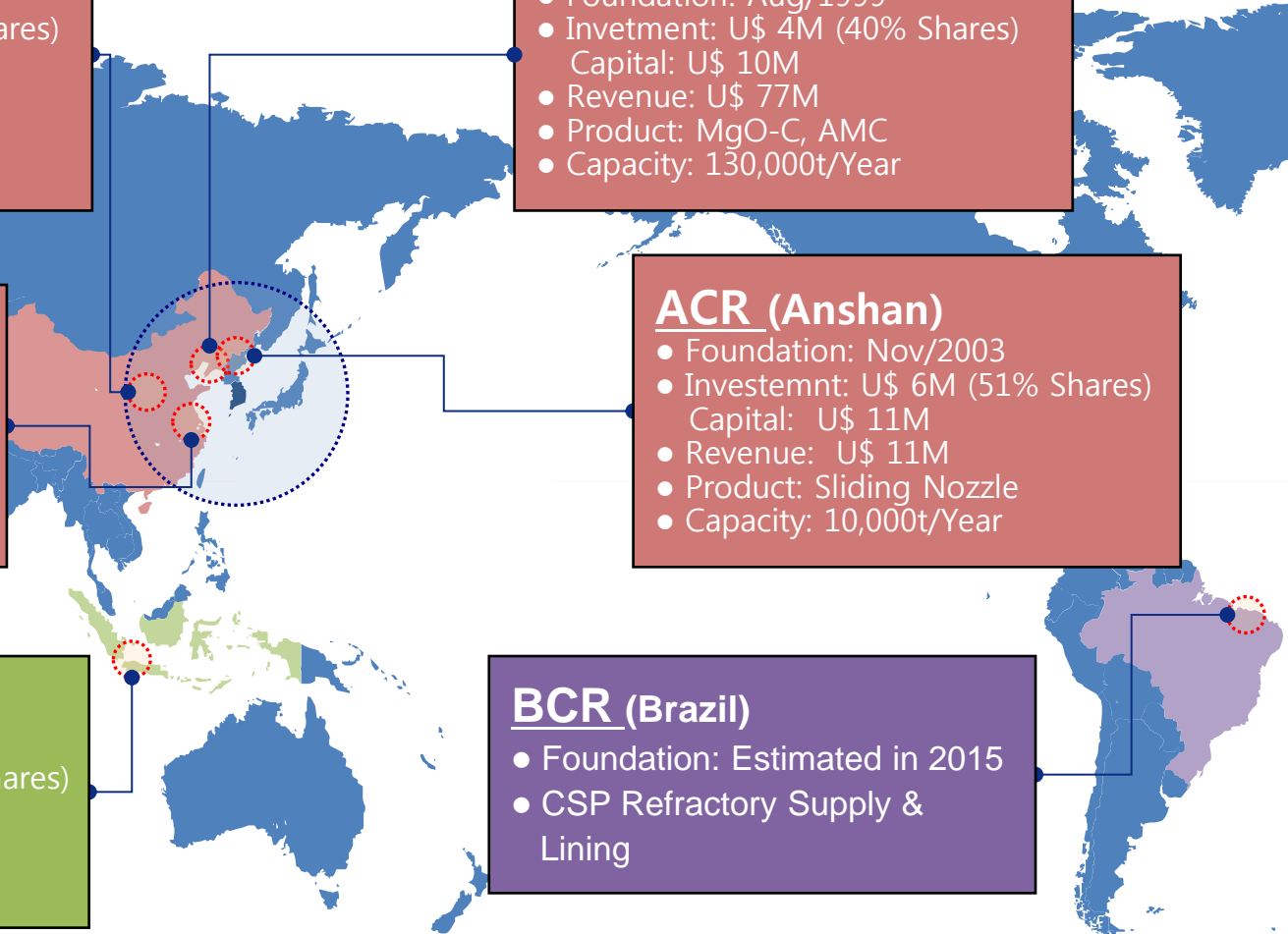
- Foundation: Nov/2003
- Investment: U\$ 6M (51% Shares)
Capital: U\$ 11M
- Revenue: U\$ 11M
- Product: Sliding Nozzle
- Capacity: 10,000t/Year

IPCR (Indonesia)

- Foundation: Jul/2013
- Investment: U\$ 33M (70% Shares)
Capital: U\$ 13M
- Product: Castable & Brick
- 1`7,300t/year

BCR (Brazil)

- Foundation: Estimated in 2015
- CSP Refractory Supply & Lining



Products

	Shaped Bricks	Unshaped Refractory	S N	CCN
PRODUCT				
Domestic	40,000 MT/Year	152,000 MT/Year	15,000 MT/Year	
Overseas	130,000 MT/Year	40,000 MT/Year	15,000 MT/Year	
KIND	<ul style="list-style-type: none"> • Fireclay Brick • High-Al Brick • Silica Brick • MgO Brick 	<ul style="list-style-type: none"> • Unshaped Refractories for L/D • Gunning Materials • Plastics • Mud • Mortar for Tundish 	<ul style="list-style-type: none"> • Slide Gate Plate • Slide Gate Nozzle • Upper Nozzle 	<ul style="list-style-type: none"> • Ladle Shrouds • Long Stopper • Submerged N/Z

Overview of 2013

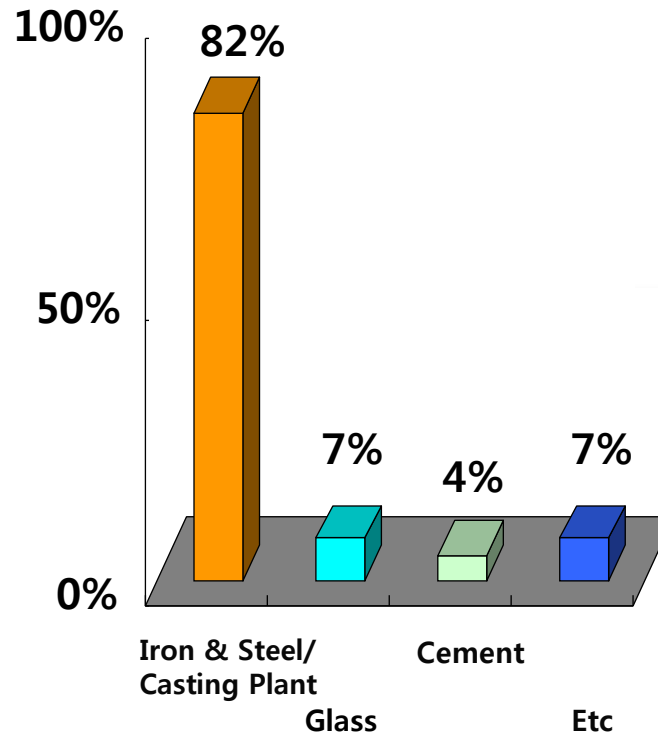
Overview

Unit: U\$

Revenue	472M
Employee	561
Office	198
Factory	363
Assets	641M
Liability	203M
Capital	438M

Sales Portion

Unit: %



Subsidiary Revenue

Unit: U\$

Company	Revenue
Korean Sintered Metal	104M
Sam Han	23M
Deajun Cogeneration Plant	105M
Deahan Ceramics	88M
DAEJOO	33M
CLUB 900	9M
Fine Tech	5M
YGR	77M
ACR	11M
WCR	14M
ZPR	28M
Total	497M

2017 Vision

The achieving sales volume, Trillion won, with World Best products preferred by customer.

"Pursuit for Absolute Value & Happiness of Customers"

- Substantial Management for Maximizing Customer's Value
- Enhance Competitive Advantage
- Create the Corporate Culture of Confidence & Communication
- Strengthen Marketing Structure & Strategy
- Develop Growth Factors for Sustainability



Thank you