



Dedicated and reliable refractory
& minerals supplier company.

www.waldsteinco.com





Welcome to Waldstein Company.
Innovative Refractory for Global Markets.

Waldstein co Dubai, is an International Supplier of high-performance Refractory Products & high-grade Minerals Business to optimize sustainable result in high temperature industries, having a worldwide setup and manufactures by our exclusive partners of world leaders in refractory industry. Its and corporate & commercial office subsidiary to Atoor Refractories co. Well-known Refractory Manufacturer in Iran. Established in 2001 and has been one of major producers with excellence reputation in Iran Steelmaking & Cement production market. With extensive experience gain over many years and inherits knowledge from our exclusive partners in world leaders' companies in refractory industry and our expert technical, engineering team, we offer customized and innovative-practical solutions. Our commitment to quality and our mission to deliver value to our clients to make their industrial processes safe, more efficient and sustainable, has made us known as one of the most reliable and prestigious companies.

Atoor Refractories Co.

KROSAKI HARIMA
www.krosaki.co.jp

calderys
REFRACTORY SOLUTIONS
www.calderys.com

TREIBACHER
SCHLEIFMITTEL
www.treibacher-schleifm.com



شرکت دیرگدازهای آتور



ATOOR Refractories co, has been a leading provider of High performance refractory products for various industries. with respect to our customer demands we offer innovative-practical solutions and have gained excellence reputation in the industry. We provides a comprehensive range of refractory products, including Alumina Bricks & Monolithic (Castable/Gunning), Magnesia Carbon Bricks, Alumina-Magnesia-Carbon Bricks, Mixes (ramming, vibrating, fettling, gunning hot repair), Roof center piece. Precast, Ladle Filling Sand, Fused Cast Blocks, (from basic materials to advanced specialty products).

Precast EAF Roof center piece (Delta) is one of the new methods of installing monolithic refractories, which has been successfully implemented for the first time in Iran by our company in many Steel factories with the aim of reducing repair time and costs.

Having 3 production sites Tehran-Safadasht, Tabas & Nehbandan. With capacity of 40,000 T (Mass & Bricks)



Everything Start with Refractory
Steel Industry

Steelmaking

Electric Arc Furnace

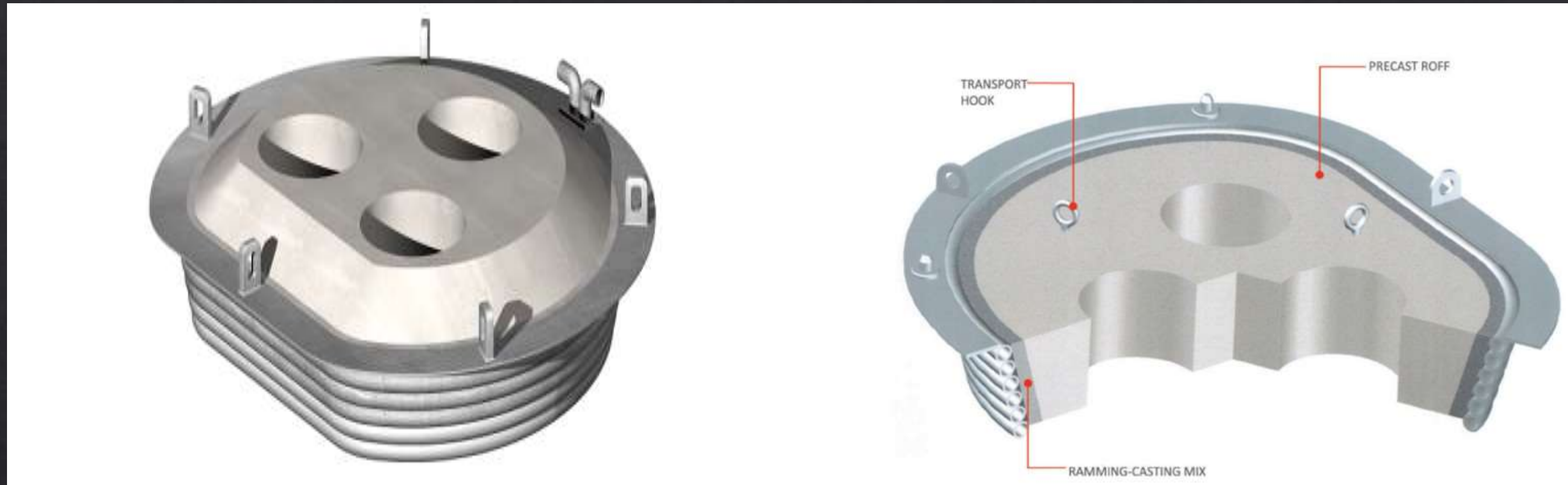
Ladle

Tundish

Rolling Mill

Reheat Furnace

EAF Roof Center Piece



High Alumina Monolithic
Precast

Refractory material Roof Center Piece

High Alumina Monolithic.

Ultra Low Cement Product.

Precast and Customize Sizes and
Shapes & curve desire.

Excellent thermal-corrosion resistance.

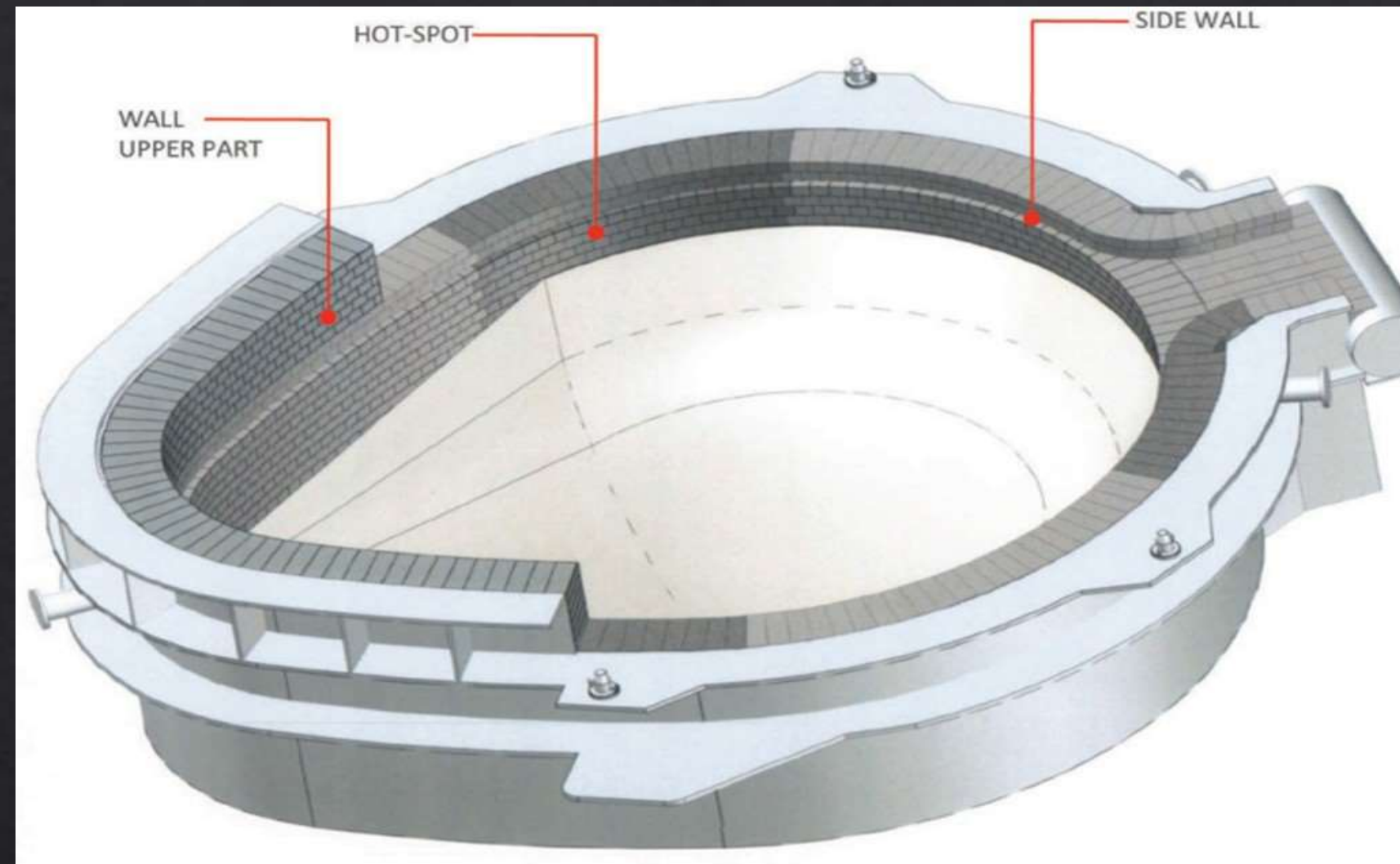
Resistance to wetting from slag.

Customizes Quality to meet EAF
campaign extension and increase
productivity .

Performance record over 1200 Heats.



EAF Lower Shell



Refractory Materials

Hearth

Magnesia Mixes (Ramming, Gunning).

Walls

Magnesia-Carbon Bricks.

Hot spot & Slag zone

Magnesia-Carbon Bricks



Refractory Material in EAF

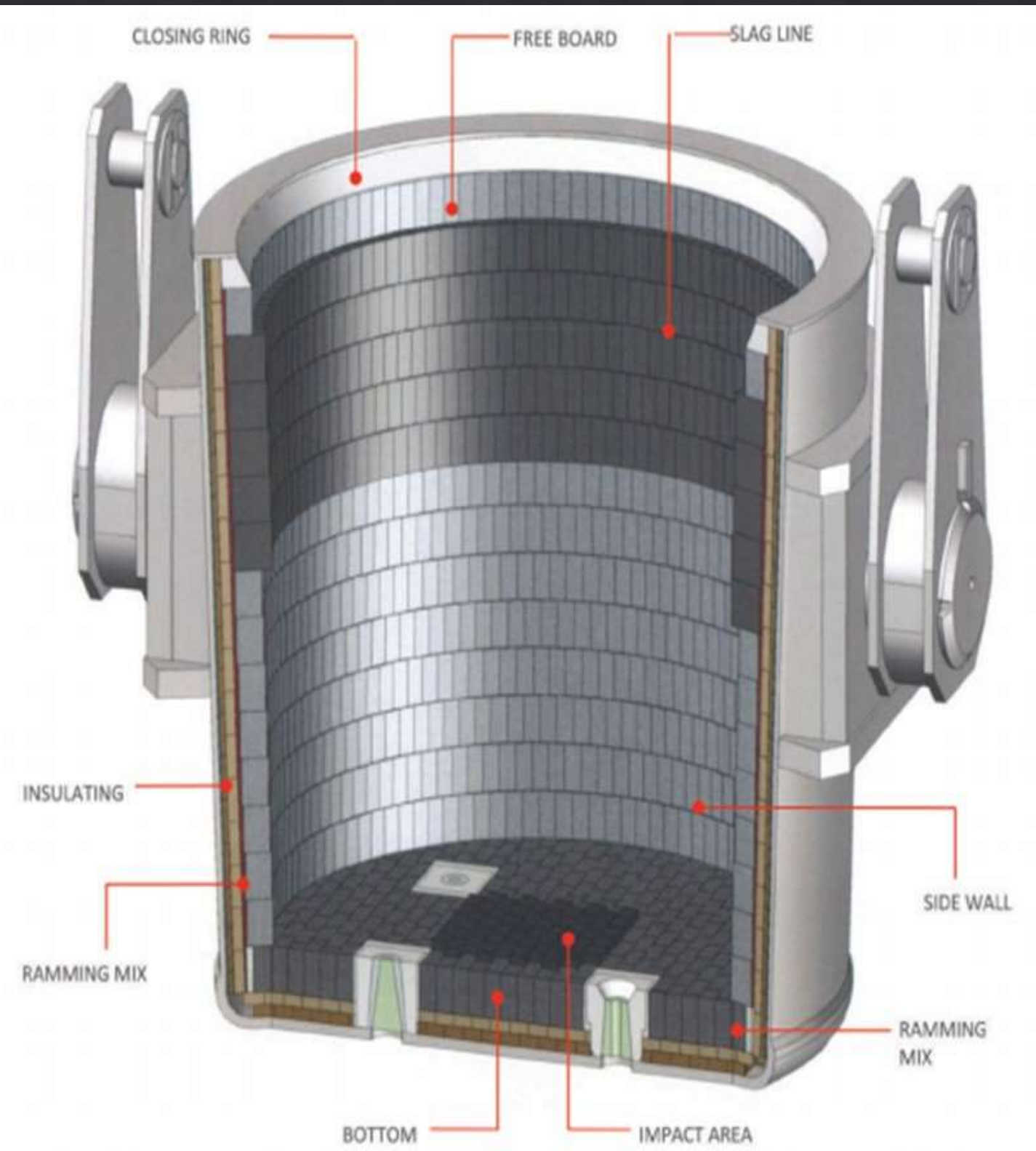
Hearth: High Magnesia mixes for ramming, fettling, gunning, backfilling. produce by Alpina magnesite.

Walls: Magnesia Carbon Bricks base on large Crystal high-quality white fused Magnesite, to resist erosion & corrosion by arc temperature, slag contact, Metal, oxidation effects & chemical contact, Result over 600 Heats.

High purity magnesite mixes/mass material for hot repair (gunning/shooter robotic)



Refractory Materials in Ladle



Safety lining:
Alumina Monolithic (Castable)

Side wall, Slag zone, Impact zone:
Magnesia Carbon / Alumina –Magnesia
Carbon -Bricks.



Well block, Alumina Precast

Chromite Ladle filling sand



Refractory Materials in Ladle

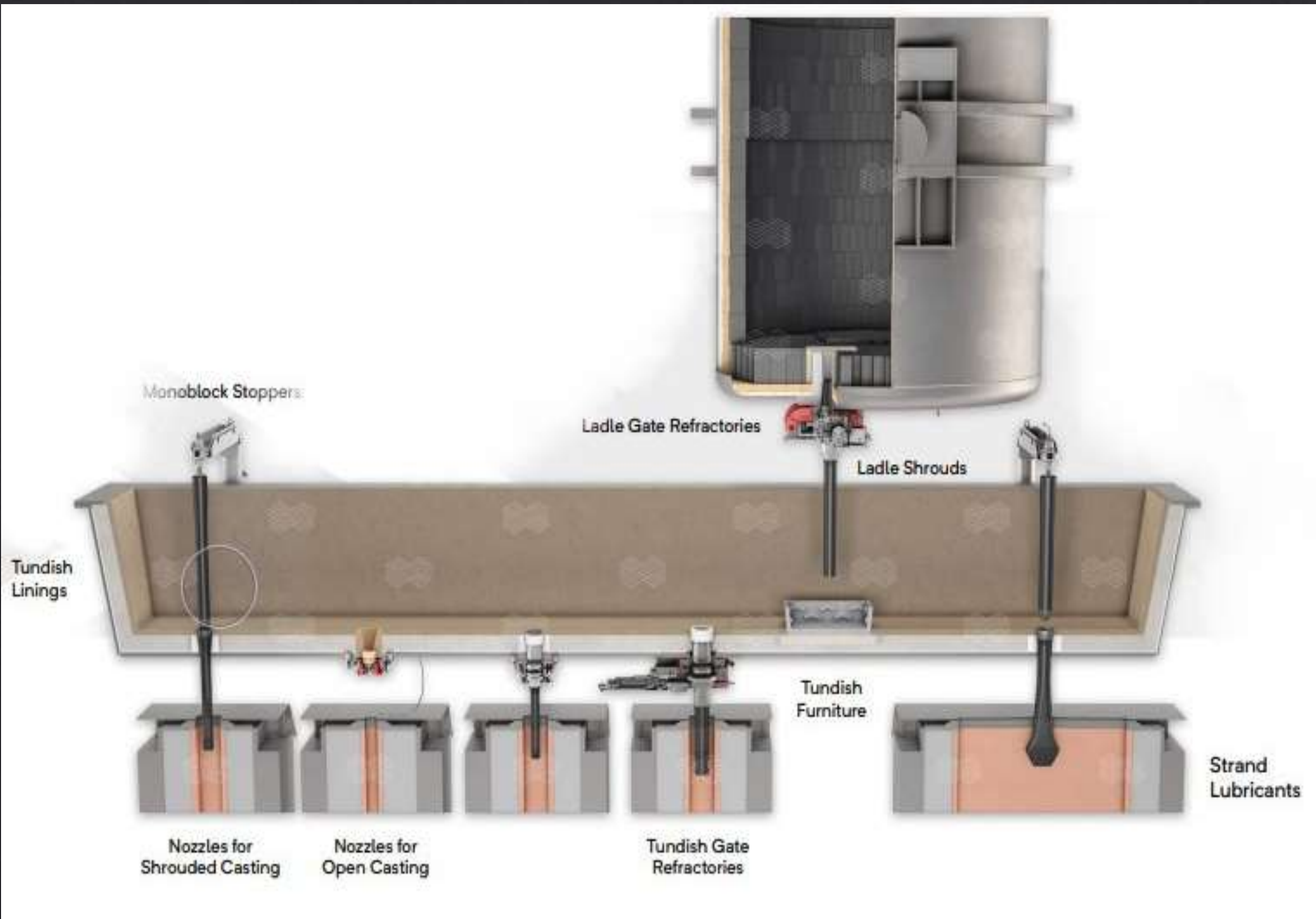
Safety lining: Alumina Monolithic vibration castable – self flow for easy installation, reduce downtime & maintenance cost to optimize campaign life.

High-grade Magnesia carbon & Alumina magnesia carbon bricks in order to achieve maximize availability of ladle & productivity (heats).

High purity South Africa chromite with special recipe for ladle filing sand to free opening & pouring steel melt.



Refractory Materials in Tundish



Safety lining:
Alumina Monolithic

Working lining:
Magnesia Mixes

Tundish Nozzle

Tundish accessories: Dam,
Turbulence box





Refractory Material

Safety lining:

Monolithic High Alumina ultra low cement castable, Self-flow. Alkali & thermal shock resistance.

Working lining:

Magnesia mixes, Conventional Wet Plaster & Dry mass for easy dry out.

Tundish Nozzle:

High-quality Zirconia core with high melting point.

Tundish Turbulence box & Dam:

High Strength Density material to Thermal Shock Resistance, Excellent corrosion resistance and stability.

Customize shapes & precast. Minimizing turbulence to decrease the re-oxidation of steel.



Rolling Mill, Reheat Furnace

Fused Cast Block



Alumina Brick



Precast



CASTABLE Mass for preheat furnace

PUSHER FURNACE

Burners

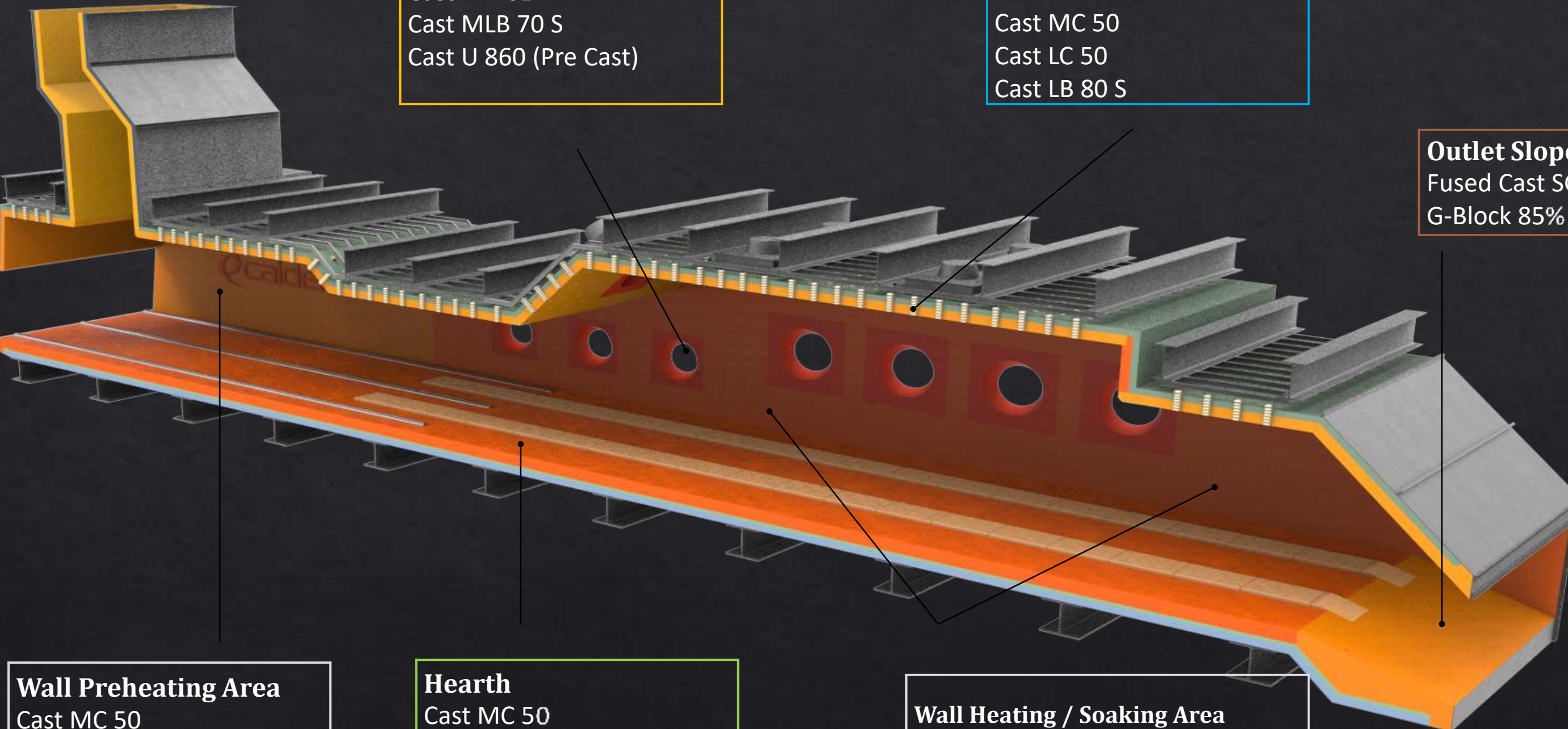
Cast LLA 62
Cast LLA 65
Cast MLB 70 S
Cast U 860 (Pre Cast)

Roof

Cast MC 50
Cast LC 50
Cast LB 80 S

Outlet Slope

Fused Cast SGM
G-Block 85% Al₂O₃



Wall Preheating Area

Cast MC 50
Cast LC 50

Hearth

Cast MC 50
Cast LC 50
Cast 925 SP
Cast LT 92 SP 5

Wall Heating / Soaking Area

Cast MC 50
Cast LC 50
Cast LLA 65
Cast MBC 70
Cast MLB 70
Cast LLB 70

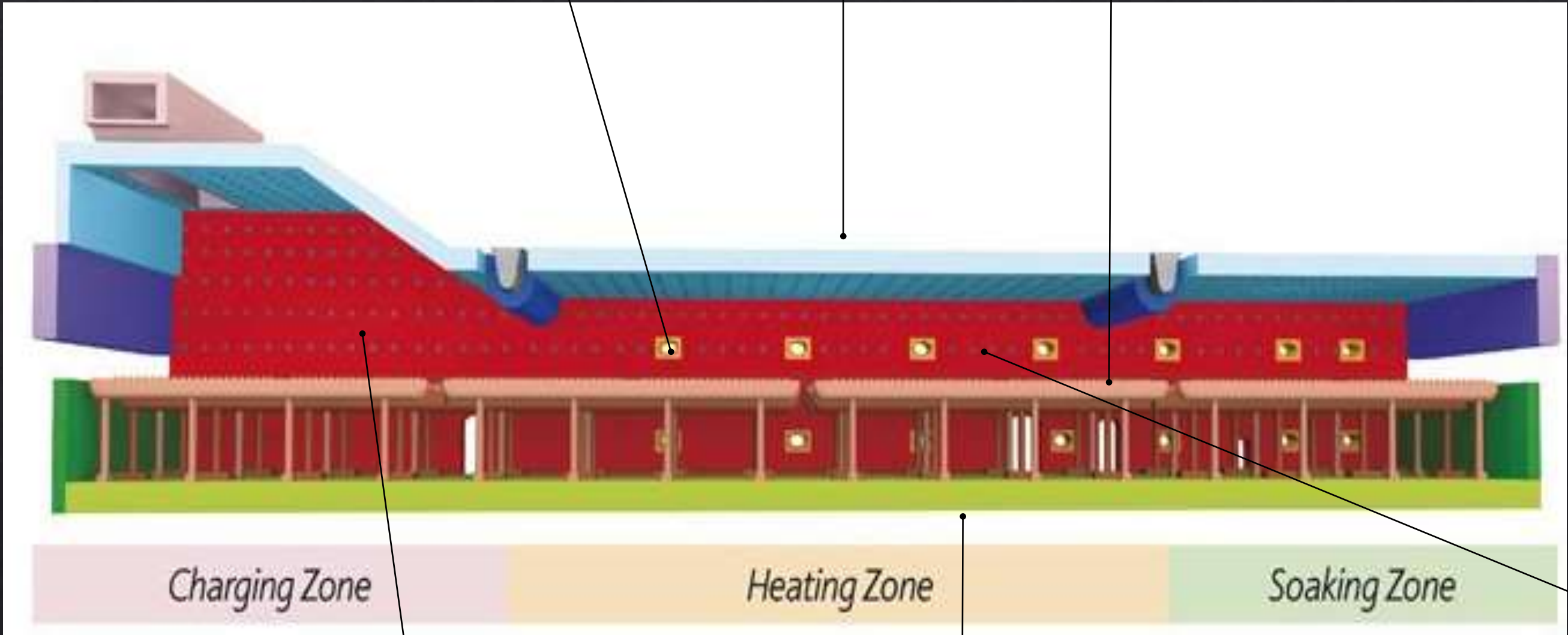
CASTABLE Mass for preheat furnace

WALKING BEAM FURNACE

Burners
Cast LLA 65
Cast MLB 70 S
Cast U 860 (Pre Cast)

Roof
Cast MC 50
Cast LC 50
Cast LB 80 S

Walking
Cast LB 80
Cast L 850 AR



Wall Preheating Area
Cast MC 50
Cast LC 50

Hearth
Cast MC 50
Cast LC 50
Cast LT 92 SP 5

Wall Heating / Soaking Area
Cast MC 50
Cast LC 50
Cast LLA 65
Cast MLB 70





THANK
YOU

We look forward to working with you