



2025

Introduction

What really matters is where the solution comes from, not the problem because the solution knows the whereabouts of the problem! We SOLVI Engineering focus on providing the solution most importantly problem solving solution.

We believe the cement industry demands the most effective, reliable and affordable solution, a solution which targets meeting the demand and effectively solving the problem.



We offer SOLVI services & SOLVI parts to the industry which boosts the productivity and quality of the industry's end product.

In the fast moving world there is a chance yesterday solutions become today's problems only because of the dynamism of the cement industry.its always must to come up with today's solutions.

We Solvi Engineering provide solutions which satisfy the dynamics of the industry

Services We Provide

1

Hot kiln alignment

2

Hardfacing service for VRM, roller press and any wear parts.

3

VRM Gearbox maintenance services.

4

High voltage electric motor maintenance services.

5

Full refractory work services.

6

Kiln shell replacement.

7

Alternative fuel system installation

Hot kiln alignment



- Kiln alignment measurements
- Kiln shell deformation and shell crank survey:
- Kiln shell ovality measurement
- Drive system geometry:
- Kiln mechanical parameters:

Kiln Audit(kiln alignment)
One of the key area of our business is kiln alignment service, we provide the most effective kiln audit such us kiln alignment measurements, kiln shell deformation and shell crank survey, shell ovality measurement, roller adjustment and drive system geometry. We render this service with worldly known experts.

Hard facing service

We provide best and price competitive hardfacing service with qualified engineers for all wearing parts like Vertical roller mill table and roller Coal mill roller and table Roller press Limestone crusher hammers.



Sugar factory overhauling

Our Comprehensive Overhauling Services

Include:

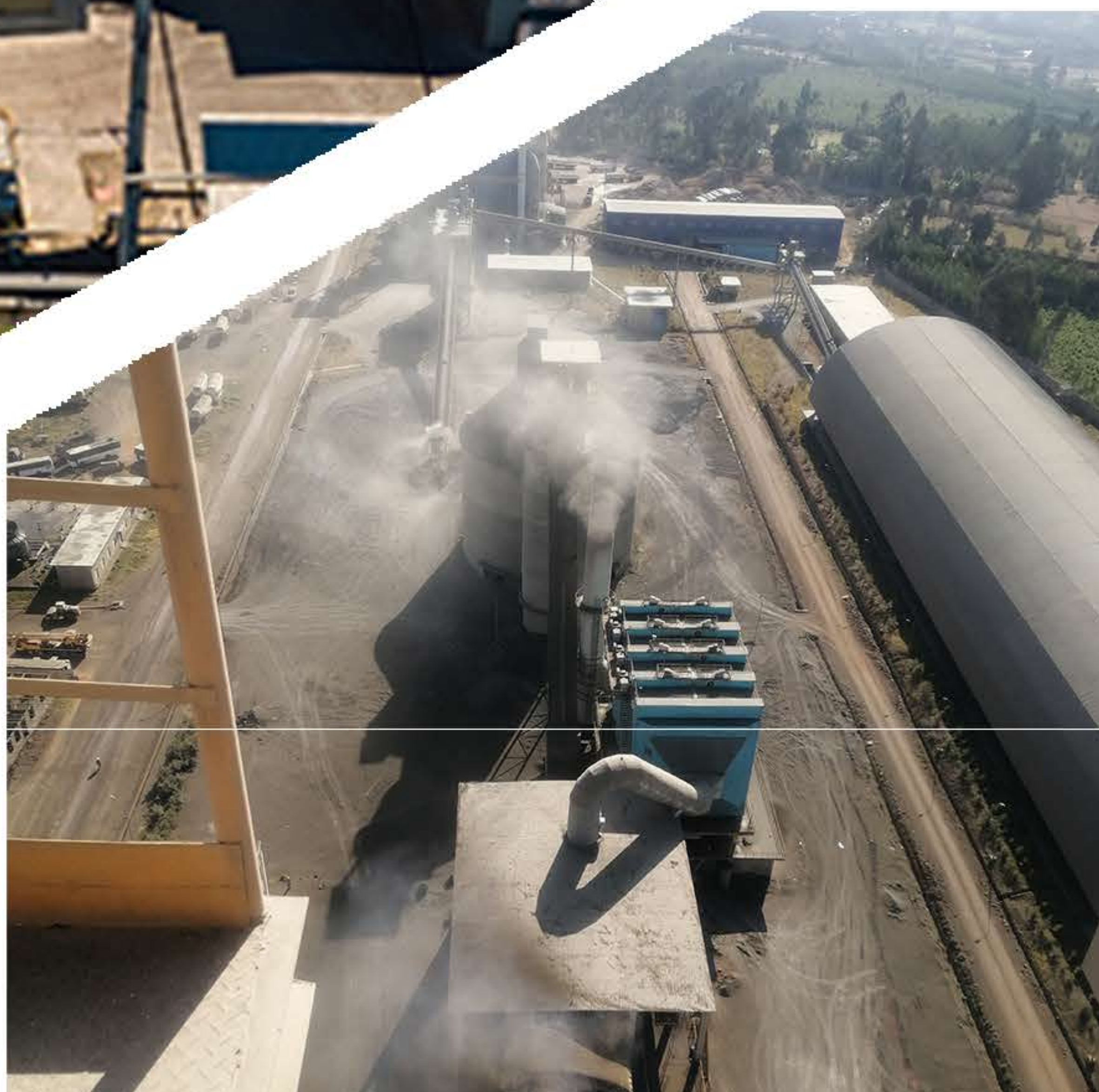
- Machinery Modernization
- Process Optimization
- Energy Efficiency Upgrades
- Customized Training and Support

Don't let outdated equipment and inefficient processes hinder your sugar factory's potential. Choose Smart Overhauling Services today and embark on a transformative journey towards enhanced efficiency, increased yields, and sustainable production practices. Your success is our mission.



Cement factory overhauling

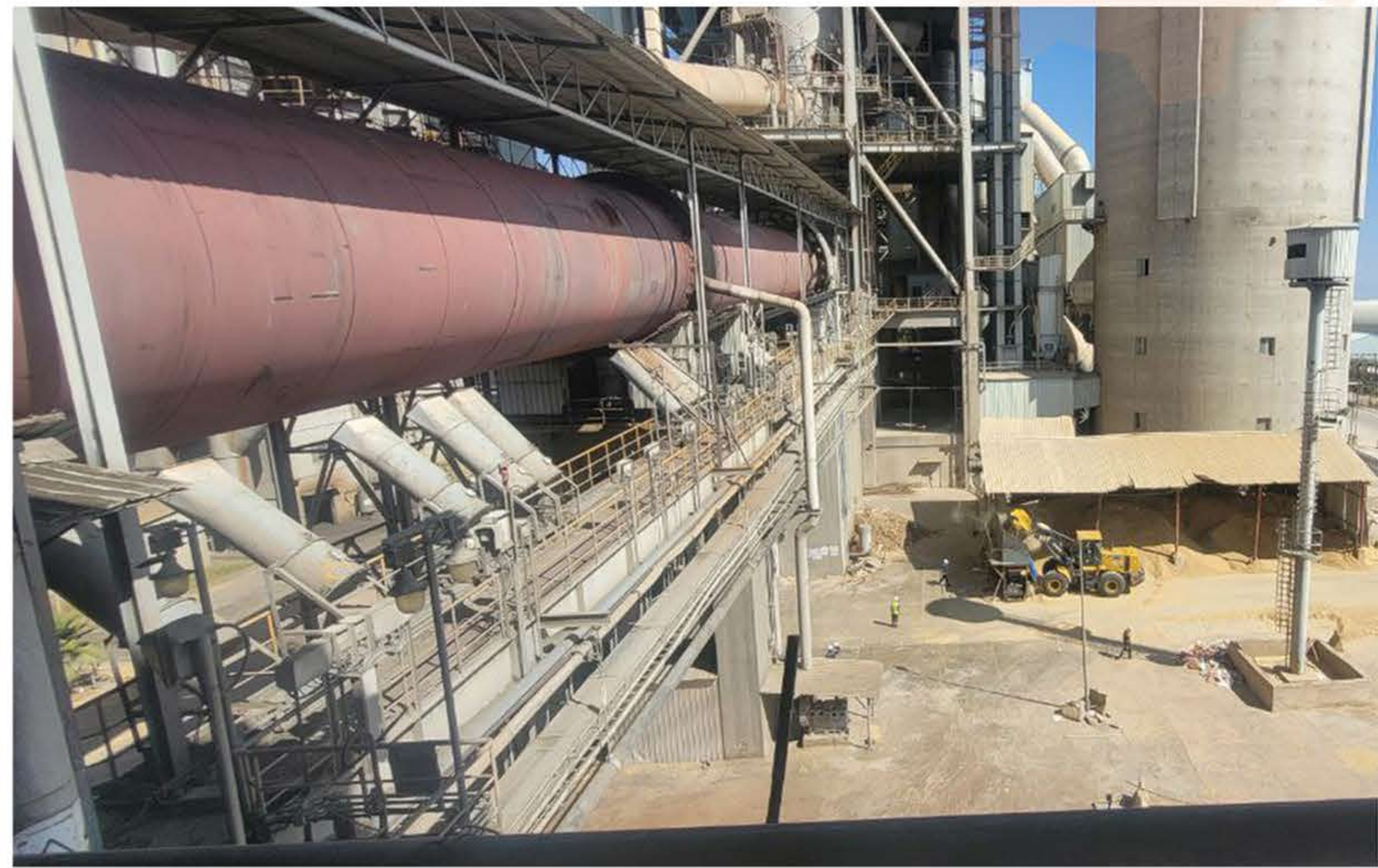
We offer comprehensive cement plant overhauling services, covering every stage from quarry operations to final product packing. At Solvi, we utilize industry-leading practices to enhance the productivity and efficiency of your entire plant.



Kiln shell replacement

One of our key area of business is kiln shell replacement, Solvi renders world class kiln shell replacement service for any length and location of the rotary kiln.

- manpower deputation
- machine mobilization
- consumables supply
- job execution



Products we supply

- 1 Refractory cement
- 2 Super reinforced ceramic
- 3 Anchors
- 4 Filter bags
- 5 Electrical spare parts
- 6 Special purpose electrodes and wires
- 7 Crusher parts
- 8 Alternative fuel equipment supply

Refractory Cement



Super Reinforced Ceramic (SRC)

Kiln outlet segments

Components and description of functioning The kiln outlet segment (protective segment) seals the kiln process from the surrounding.

At the same time, it forms the end of the kiln refractory lining at the kiln outlet. Due to the slope of the end edge on the segment, the refractory bricks are held in position.

The main application of SRC is in the metals and minerals processing industries. SRC has not gone through any formal optimisation process, hence the purpose of this project is to improve both the material properties of SRC, and the ease of manufacturing of the product through testing.



Super Reinforced Ceramic (SRC)

Tertiary Air duct damper

The tertiary air duct main function is to connect the hot air duct between the cooler and the rotary kiln system. The working environment of the tertiary air duct is very harsh, including Y-shaped parts, elbows and closing valves.

Dampers are a lot more than simple airflow adjusters. They are integral to the control of cool, warm, high temperature, dirty, or even toxic air. Dampers maintain air quality and provide worker safety, which is why they are essential for industrial airflow regulation.

Bull nose

Super Reinforced Ceramic (SRC) Cooler Bullnoses are redefining what's possible in high-stress industrial environments.



Bag filter, Cages & Airslide fabric

Solvi supply's filter bags in wide variety of fabrics and finishes for diverse markets in State-of-the-Art, from worldly renowned Automated Production Facilities in the USA, Canada, Mexico, Brazil, India, Australia, and China.

Needle Felt

Low Temperature
Polyester
Acrylic
High Temperature
Aramid
PPS
P84®
Teflon
Fiberglass



Woven Filter Media

Low Temperature
Polyester
Acrylic
High Temperature
Aramid
Fiberglass



Bag filter, Cages & Airslide fabric



Airslide Fabric

We supply a premium proprietary air slide fabric for pneumatic conveying in the cement industry, lime, gypsum, alumina, and aluminium industries. Utilizing the very best in textile technologies, slides constructed by a heavy-duty needling process.

Ease of Install

Uniform Airbed formation

Low Maintenance Cost

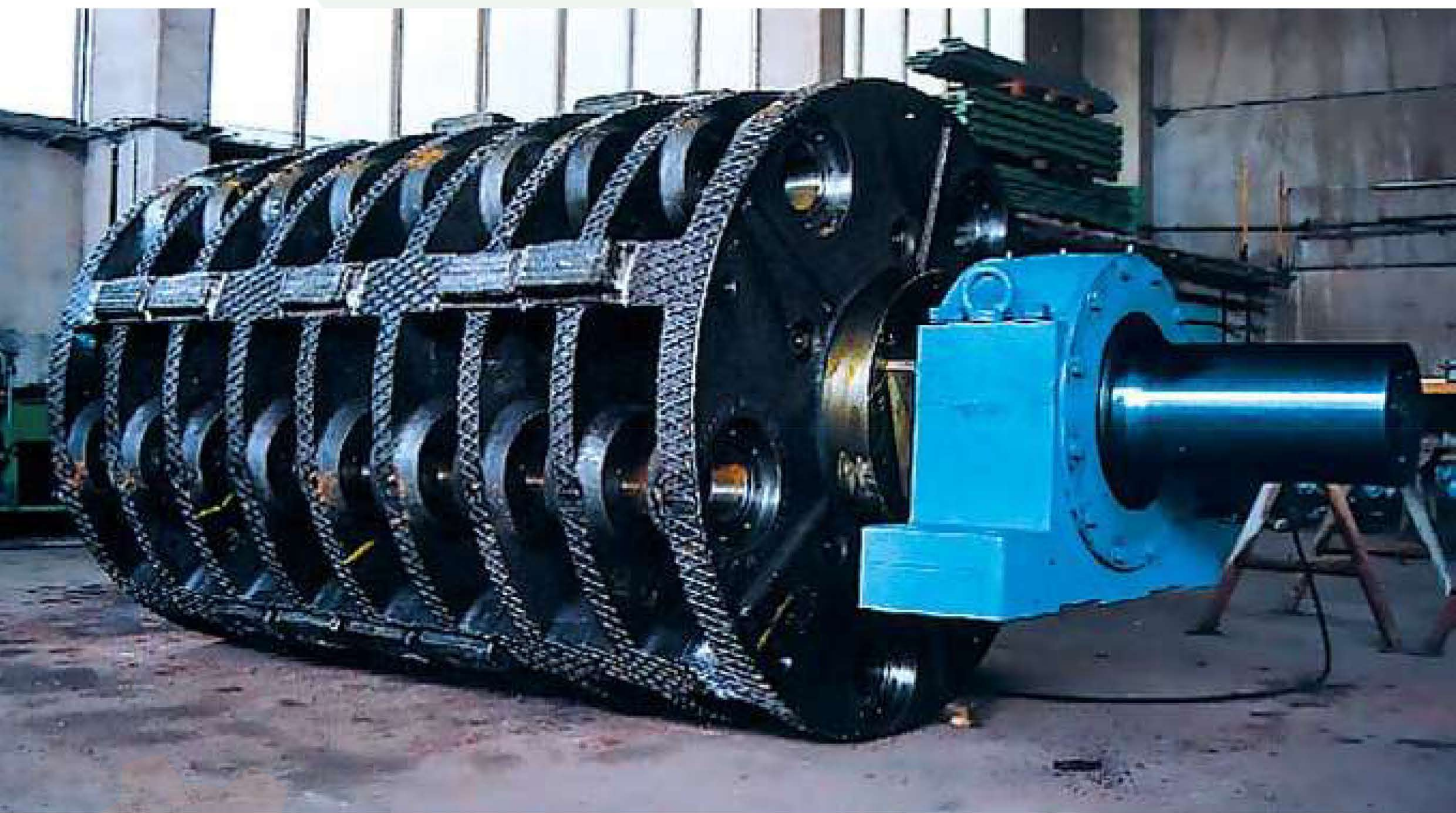
Extended Operational Life

Ideal choice for applications demanding temperatures up to 250°C/482°F



Crusher parts

- Bearing
- Bearing housing
- hammers
- Rotor and accessories



Special purpose electrodes and wires

Electrode used in parts which are exposed to high impact wear and tear. The non-magnetic austenitic deposit is tough, crack-free and work hardening.



Alternative fuel equipment supply

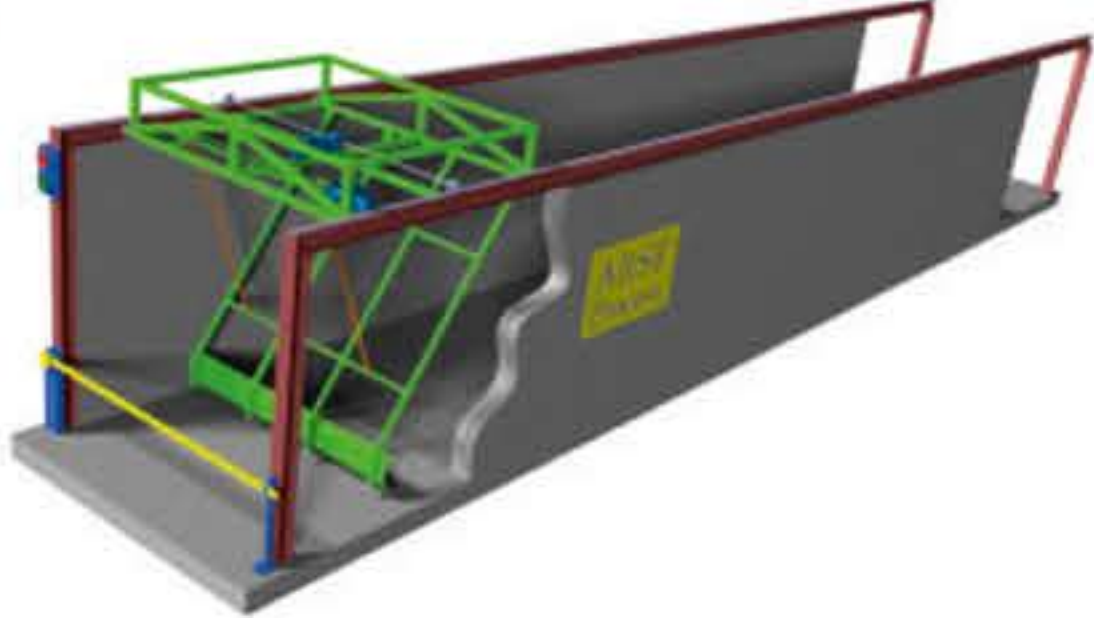
Solvi Engineering, aim to provide robust alternate fuel/ waste processing and handling solutions to the global cement and waste processing industry.

We strive to provide high quality and versatile systems with the best return on investments. Our equipment designs are focused on effective handling of variable wastes with varied calorific values and physical properties.

Our target is to support the substitution of fossil fuels with alternate material, to achieve a sustainable energy efficient cement manufacturing process.



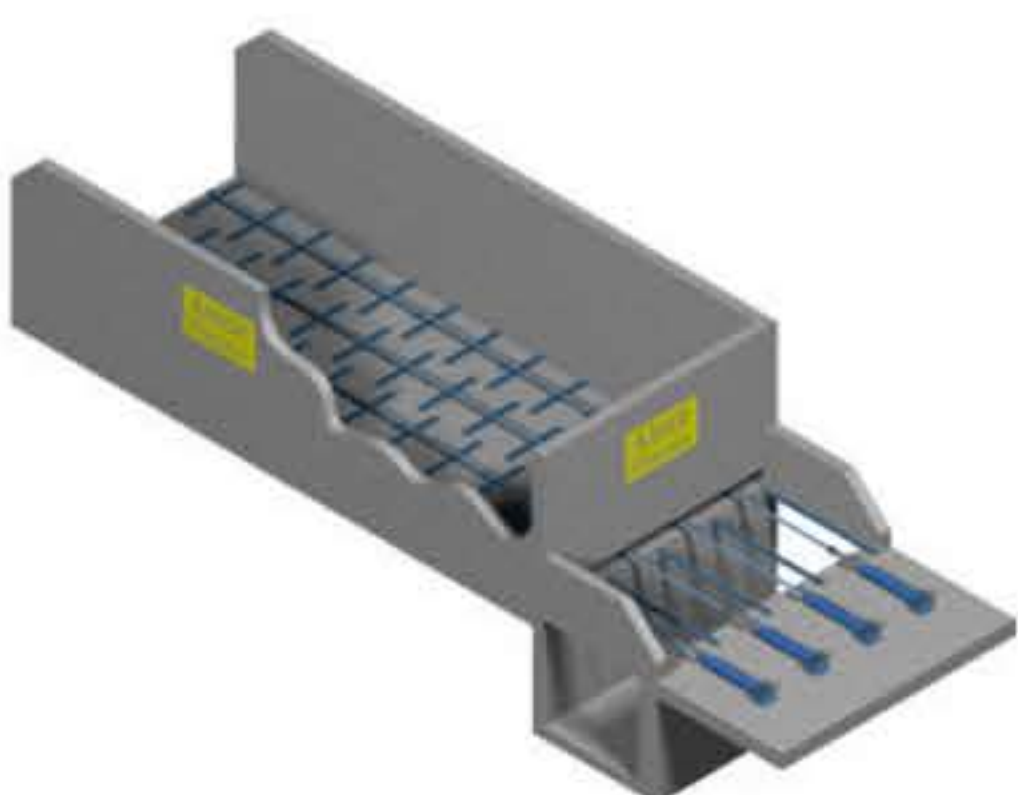
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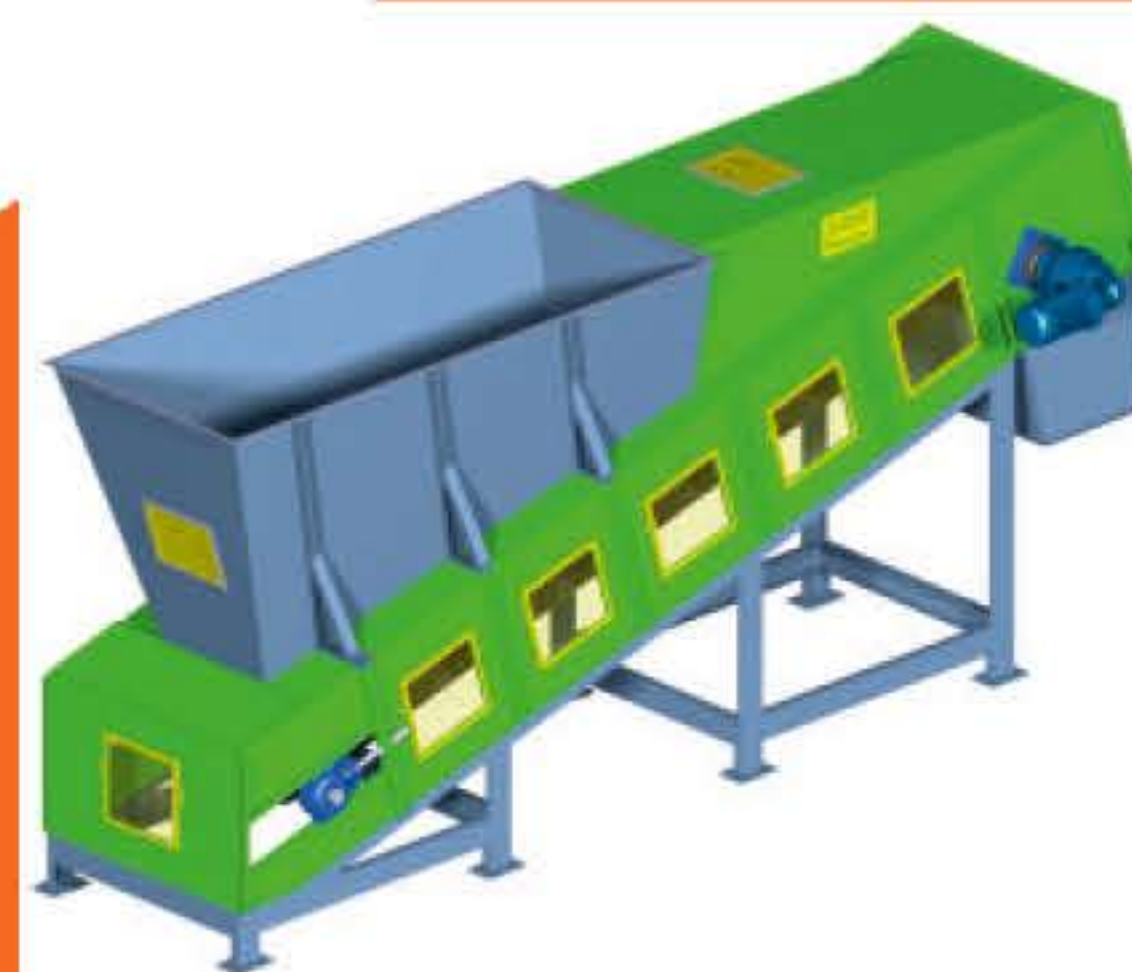
ScrappFEED



WeighFEED



LadderFEED



DosiFEED



Shredding

Solvi Clients



MUGHER CEMENT FACTORY



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Ethiopian Sugar Industry Group

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