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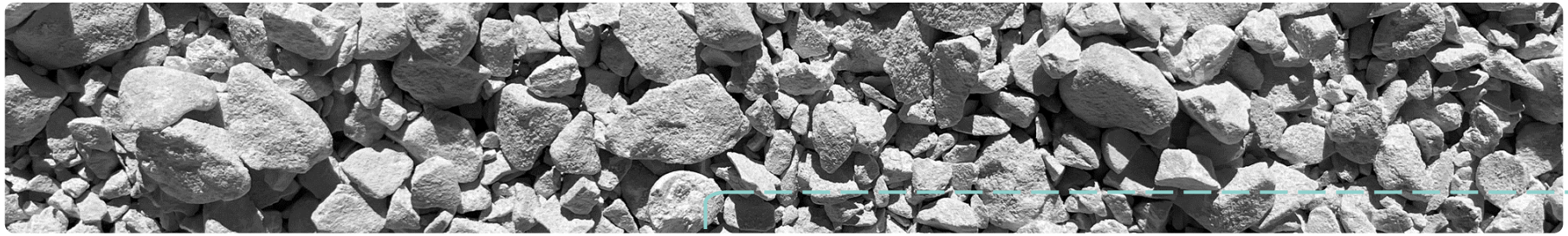
Corporate Presentation

2023

Outline

Corporate Presentation



Company Profile
Production Process
Our Plant
Product Range
End-using Industries
Customer List

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History and main figures

Company Profile

$10 Million

Total investment to make the lime calcination plant

Swiss Technology

As an agreement was made with Switzerland's Maerz Group

June 2020

Unilime plant started operation in 6th of October City, Egypt

52,000 tons/year

Production capacity for Quicklime and Dololime

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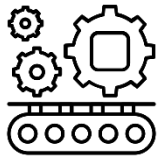
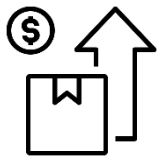
Strategic objectives

Company Profile

Unilime is studying increasing its current capacity by



adding a new line to achieve the increasing demand



or adding value to the current products by investing in an integrated product

Unilime is studying addition of solar panels to the plant as a more sustainable solution for energy generation

Unilime is also currently exploring exporting its products globally

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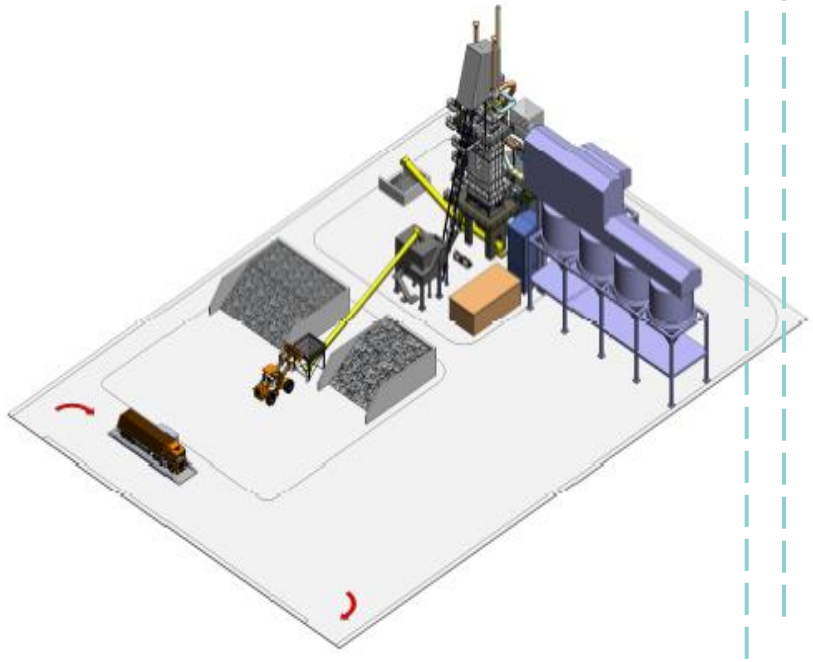
Production Process

Calcination of Carbonates

$$CaCO_3 + Heat \rightarrow CaO + CO_2$$

Limestone

Quicklime



Our lime calcination plant consists of a double shaft kiln with 10 burner lances each.

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Our Plant

Raw Material

Raw Material Feeding

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Our Plant

Double Shaft Kiln – Preheating – Burning – Cooling

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Our Plant

Final Product Screening

Quicklime Different Sizes

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Quicklime and Dololime

Product Range

Unilime is able to produce Quicklime, and Dololime.

The Dololime size is from 0 – 50 mm. The Quicklime can be provided in several size ranges based on the applications to achieve our customers requirements.

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Quicklime specifications

Product Range

Chemical Analysis	Percent %
Total CaO	90-95
MgO	≤ 1
SiO_2	≤ 1
Al_2O_3	0.9
Fe_2O_3	0.1
Residual CO_2	< 2.5

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Quicklime specifications

Product Range

Quicklime Size 3-20 mm

Quicklime Size 20-50 mm

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Dololime specifications

Product Range

Chemical Analysis	Percent %
Total CaO	54-58
MgO	36-40
SiO_2	≤ 1.5
Al_2O_3	0.3
Fe_2O_3	≤ 1

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Hydrated Lime specifications (CALCIUM HYDROXYDE – $Ca(OH)_2$)

Product Range

Chemical Analysis (mean values on dry)	Percent %
$Ca(OH)_2$ total	96.60%
$Ca(OH)_2$ available	95.00%
H_2O	1.0%
CO_2	0.90%
MgO	0.50%
SiO_2	0.10%
Al_2O_3	0.34%
Fe_2O_3	0.24%
Mn_3O_4	0.01%
S	0.02%
Insoluble HCl	0.10%
CaO equivalent	72.50%

Properties

Molecular weight 74.09 g/mol

Solubility (25°C) 1.64g/l

Aspect white powder

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QUALITY

is our

COMPETITIVE ADVANTAGE

Unilime produces high calcium quicklime with low residual CO_2 to enable our customers to use less quantities in their process, and to achieve the best efficiency.

Our quicklime has high reactivity, which is desired in most of the quicklime applications.

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End-using Industries

Iron and Steel

Building Materials

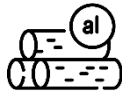
Water Purification

Chemical Industry

Glass Industry

Soil Stabilization

Gold Mining



Aluminum & bauxite

Flue-gas Sulphur Removal

Pulp and Paper

Sewage treatment

Asphalt Paving

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Sample from different industries

Customer List

elmarakbysteel المراكبى للصلب

EGYPTIAN STEEL حديد المصريين

ezzsteel حديد عز

ARCOSTEEL

SGM Sukari Gold Mines

DELTA BUILDING SYSTEMS MEMBER OF PLENA

HAMCO Chemicals & Building Materials

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Thank you