

GDS System.

# Let's go green

Do you ...

... want to **reduce CO<sub>2</sub> emissions?**

... need **more capacity?**

... want to **save money?**

Are you ready for **regenerative fuels?**

Swi to gas operation!  
fcp

Watch our  
video!







Let's go  
green.

The patented conversion system

**GDS** (Gas Distribution System) offers:

- » Installation in **existing kilns** or **new builds**
- » **Taylor-made** for your goals
- » **Maximum reduction** of CO<sub>2</sub> emissions
- » Several **cost savings**
- » Up to 100 % **more capacity**
- » **Improved process** control
- » More **flexibility** – easy operation



## Retrofit solution for

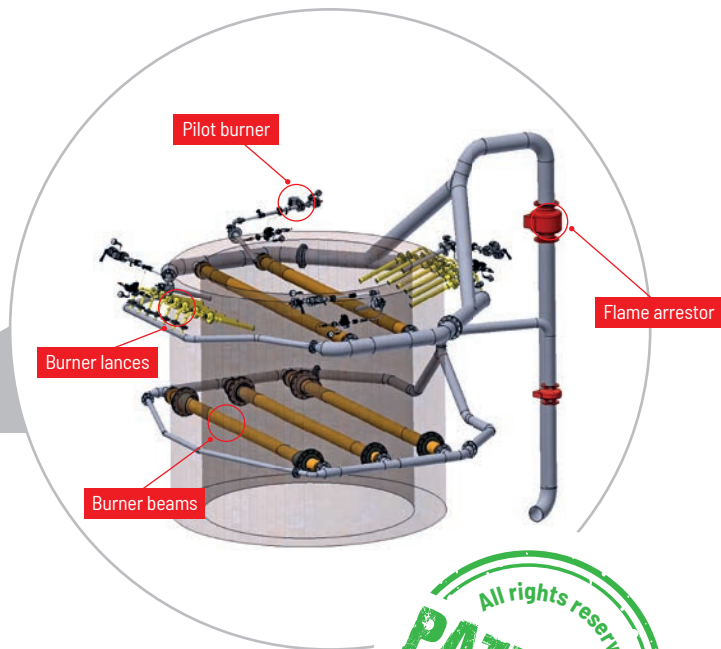
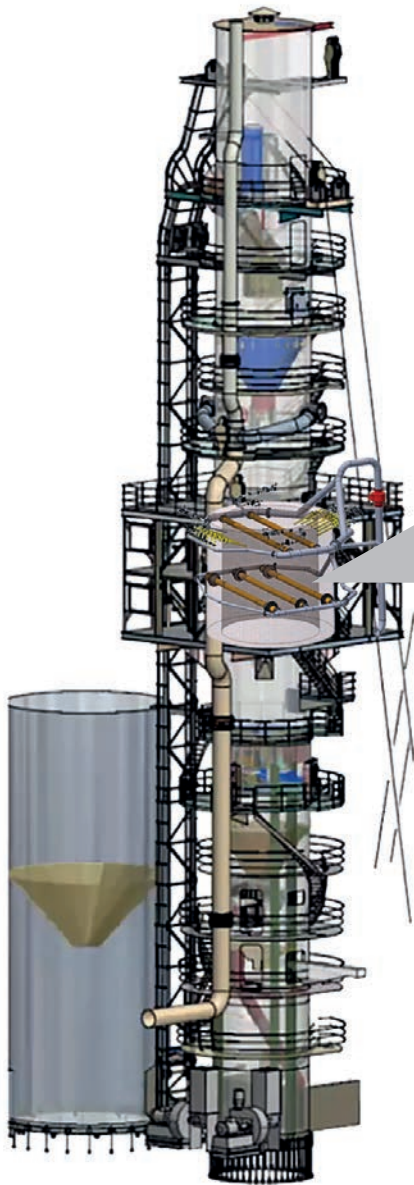
# Existing kilns.

Less CO<sub>2</sub> emissions, sustainable energy sources, more capacity – the future of your lime kiln is already a reality.

Our **Gas Distribution System** is a unique combustion system for lime and process gas production, which is state of the art.

We create a conversion analysis, adapted to the local raw materials and the available fuels. We are able to substitute the fuels coke and anthracite to natural gas.

The GDS system is a specially developed conversion system which is particularly suitable for existing kiln systems (mixed feed kilns) of solid fuels converting to gas operation. It is already successfully in use worldwide. The GDS process is patented and is distributed exclusively by us.



Convert your existing vertical shaft kiln today with natural gas for modern combustion. Take the next step with us into a green future – tailor-made for your process requirements.

# Fit for future: New build.

**More than half of all of the world's lime kilns used at sugar plants are Eberhardt kilns.**

We know the challenges and requirements in a sugar factory all too well. We know how a reliable lime kiln has to work, because it is the basis for

successful sugar production. We at Eberhardt build, improve and support your kilns for a lifetime. We know what we talk about!

## Comparison of the key investments parameters

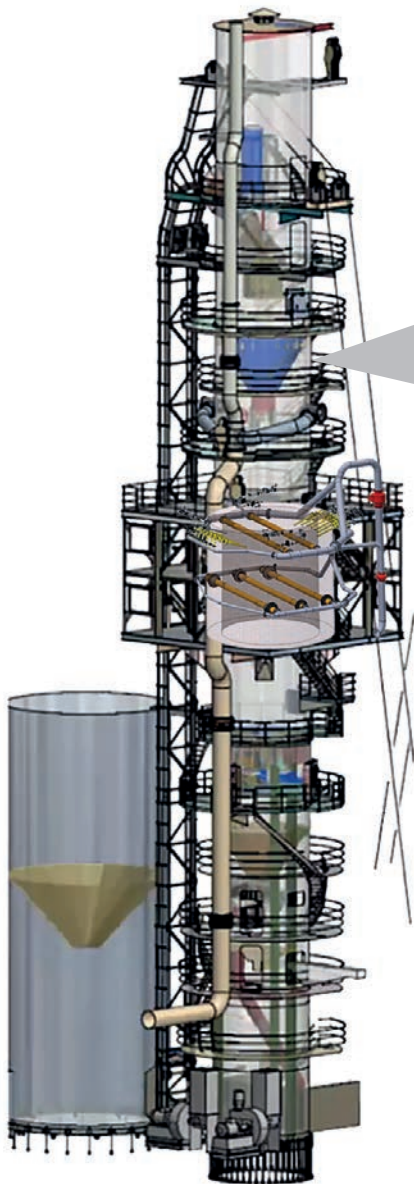
	Coke kiln	GDS kiln
» Lower investment	○	+
» Recurring costs	○	+
» Fuel dependency	○	+
» Less emissions	○	+
» Process flexibility	○	+
» Automation	○	+
» Operating comfort	○	+
» Regenerative fuels	✗	+
» Sustainability and image	✗	+



# Your advantages ...

... at a glance:

No coke. No anthracite.



Limestone feeding only.

- » Less CO<sub>2</sub> emissions
- » More eco-friendly
- » More capacity and flexibility
- » Taylor-made for your goals



# Add-on option:

Grow your fuel. Use biogas.

## Benefits of Biogas

**It provides multiple values:**

- » Clean and renewable energy source
- » CO<sub>2</sub> neutral
- » Reduction of air, soil and water pollution
- » Independency of other fuels

Your experts.

 **Eberhardt**

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