

Utilise the power of alternative fuels

Market-leading products, solutions and services that help you reduce fuel costs and cut CO₂ emissions.



FLSMIDTH

Alternative fuels

Today's alternative – tomorrow's standard

Why alternative fuels?

- **Substantially reduce the CO₂ emissions that lead to the greenhouse effect.**
- **Put waste to good use by turning it into energy.**
- **Save natural resources.**
- **Dramatically reduce fuel costs in energy-intensive industries.**
- **Achieve zero fuel costs if feasible.**
- **Convert fuel costs into earnings.**

The power of alternative fuels

Global interest in alternative fuels is increasing. Alternative fuels hold many advantages for the cement and mineral industries – and FLSmidth is committed to providing the technology that these industries need to fully utilise this powerful energy source.

Our expertise in alternative fuels offers you numerous advantages:

- Design your new production process for alternative fuels.
- Make use of the many alternative fuel services offered by FLSmidth.
- Let FLSmidth take responsibility for implementing alternative fuel technology while maintaining reliable production.
- Install FLSmidth-designed quality products for alternative fuels.

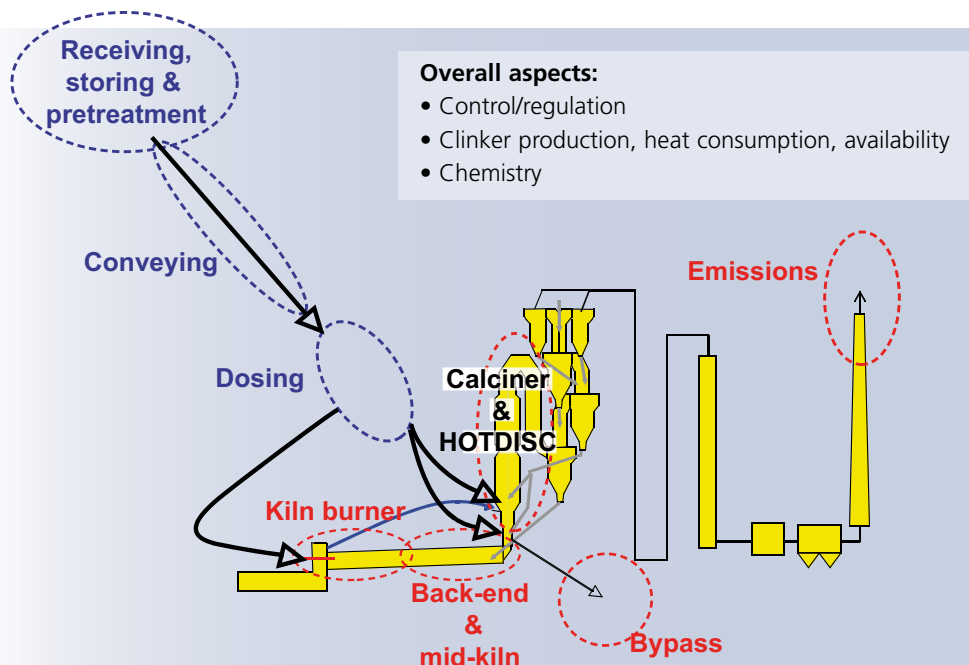
To ensure that you get access to the latest market-leading technology, expertise and services, we invest substantially in the research and development of alternative fuel technology.

Prepare for the future

When designing your production process, it is worth taking future requirements into consideration. Gradual conversion to alternative fuel is a growing trend.

However, facilities can experience a 10-20% loss in capacity when primarily firing alternative fuels. We help you ensure full capacity.

We also make sure your facility meets emission limits and that design and layout is suited for future (complete or partial) conversion to alternative fuels.



Complete solution and supply

Your alternative fuels partner

When considering changing from fossil to alternative fuels, it is valuable to have a partner at your side to assist in assessing the various options.

In the early stages of a project, we can do a feasibility study for you – or assist you in specific fields of your own study. This may involve other parties as well as your own assessment. It may also involve environmental and legislative matters. Or it may simply comprise laboratory tests.

If you have already started to use alternative fuels, we can help you optimise your process. From ensuring you have mechanical handling equipment available – to maintaining capacity and meeting emission limits, we help you make the most of alternative fuels.

Project implementation

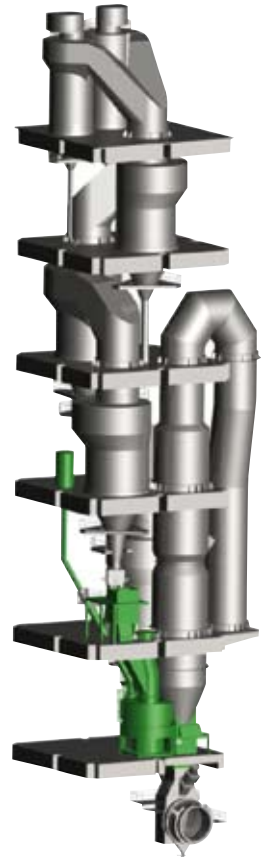
We can take full responsibility for implementing alternative fuel technology. This includes:

- Retrofits
- Complete project implementation
- Calciner modification or replacement
- Burner replacement
- Fuel handling systems

FLSMIDTH ALTERNATIVE FUELS

The FLS Alternative Fuels group is dedicated to helping the cement and mineral industries take full advantage of alternative fuels. Specialists from different disciplines work to develop and supply the services and solutions you need.

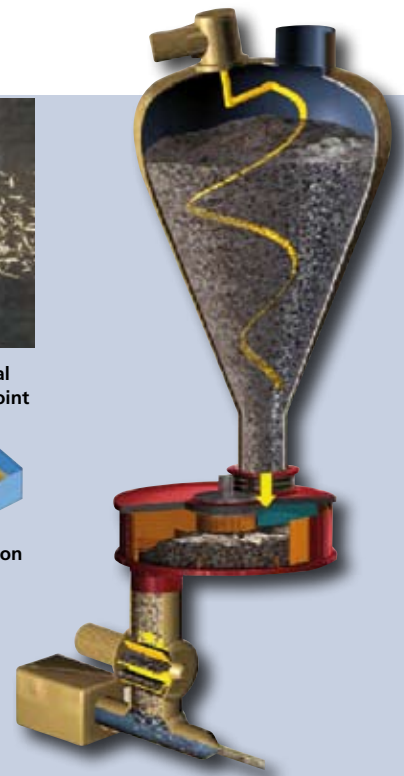
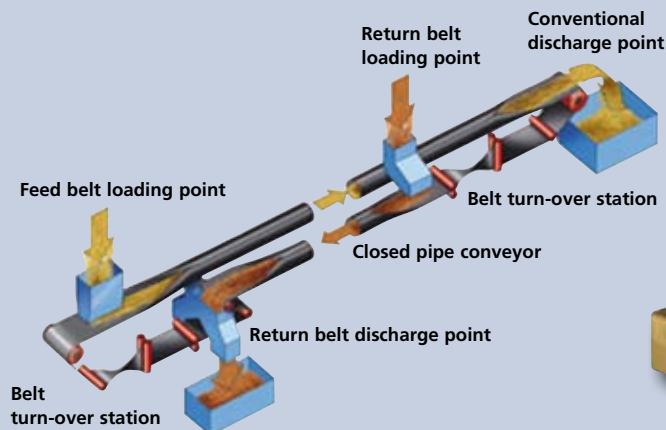
Contact us:
alternativefuels@FLSmidth.com

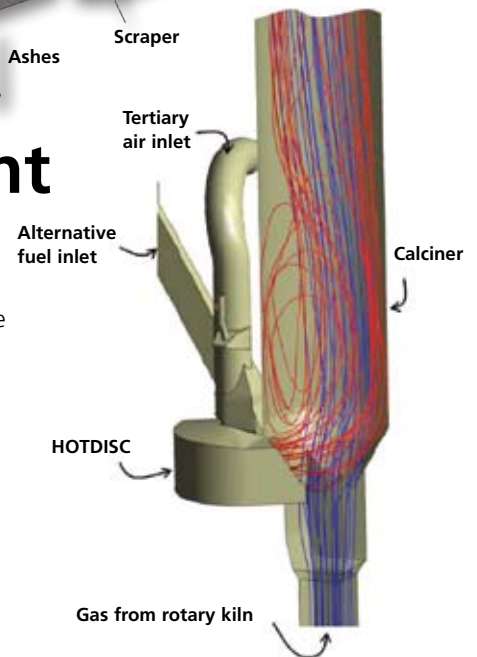
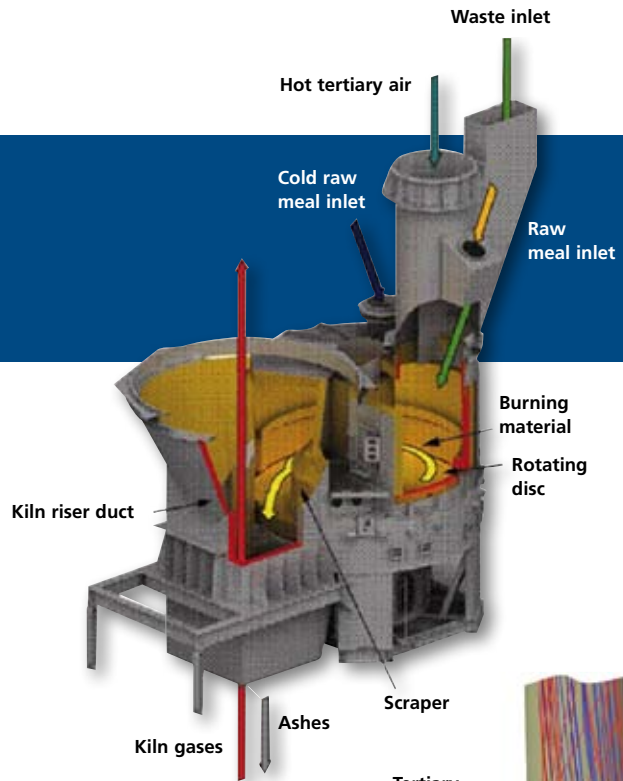
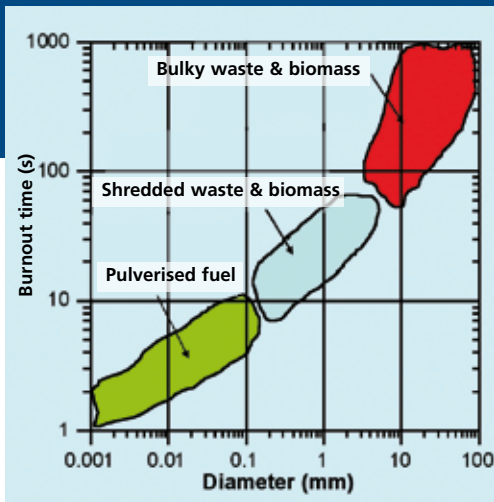


Quality products from FLSmidth

Many of our market-leading products are specially designed for alternative fuels. These designs combine a century of broad experience within the cement and minerals industries with leading expertise in tomorrow's technologies. We offer:

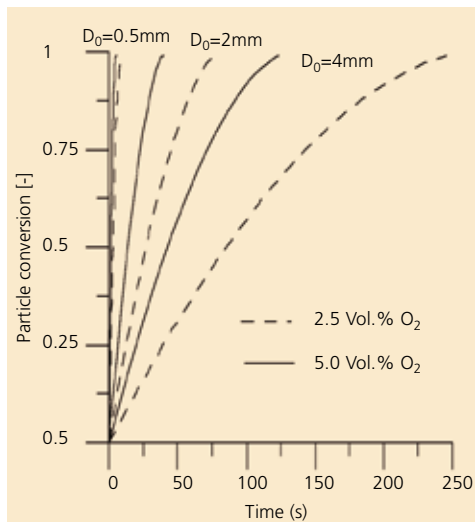
- Control systems
- Calciners
- HOTDISC
- Burners
- Dosing systems
- Conveyors
- Storage & extraction systems
- Processing of waste & biomass
 - Shredding
 - Drying & dewatering
 - Sorting





Research and development

To ensure that we always offer the best technology, expertise and services to the cement and minerals industries, we invest substantially in research and development of alternative fuels. This gives you access to the latest developments on the market.



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www.flsmidth.com

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DENMARK

FLSmidth A/S
Vigerslev Allé 77
DK-2500 Valby
Copenhagen
Tel: +45 36 18 10 00
Fax: +45 36 30 18 20
E-mail: info@flsmidth.com

USA

FLSmidth Inc.
2040 Avenue C
Bethlehem, PA 18017-2188
Tel: +1 610-264-6011
Tel: +1 800-523-9482
Fax: +1 610-264-6170
E-mail: info-us@flsmidth.com

INDIA

FLSmidth Private Limited
FLSmidth House
34, Egatoor, Kelambakkam
(Old Mahabalipuram Road – Chennai)
Tamil Nadu – 603 103
Tel: +91-44-4748 1000
Fax: +91-44-2747 0301
E-mail: indiainfo@flsmidth.com