

Reducing fuel costs and emissions in cement plant

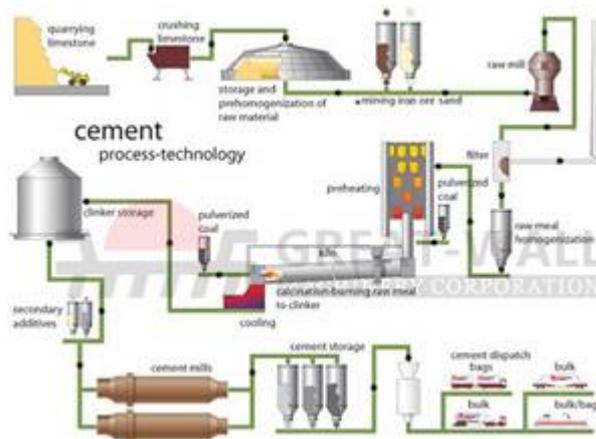
Due to rising energy costs and ever stricter energy and environmental regulations, alternative fuel



technology is rapidly becoming an important factor in controlling costs. To gain a competitive edge, many cement producers worldwide have set ambitious targets for increasing their future usage of alternative fuels both waste-derived fuel and biomass. Great wall group is a technological leader in this field. We invest substantially in researching and developing alternative fuel technology, and many of our market-leading products are specially designed for use with alternative fuels. Rapid return on investment Our focus is on

developing and supplying complete alternative fuel solutions that provide cement producers the ability to use up to 100% alternative fuel in pyroprocessing installations. This changes an alternative fuel into the primary fuel, without decreasing either production capacity or product quality.

Whether your [cement plant project](#) is a new installation or an upgrade of an existing line, our



specialists can assess the impact of using alternative fuels from a quality, chemistry, corrosion and emission perspective. Our complete range of high-quality equipment gives Great wall group the capability to provide the correct solution for any given application. Equally important, an alternative fuel solution from Great wall group is a good shortand long-term investment. A comprehensive approach It is often challenging to replace

traditional fuel with waste fuel, as it may influence the process in the kiln and the clinker quality. Using alternative fuels requires a comprehensive approach to the design of the entire plant: receiving, sorting, shredding, handling and dosing of fuels – as well as combustion – must be considered to maximise fuel substitution.

Emissions solutions

It is Great wall group goal to contribute to environmental sustainability in fields where our products and services can have an effect on the environment. Sustainability is becoming

increasingly important for cement production, and as the industry's leading sustainable technology provider, we are in a position to offer solutions that minimise gaseous and particulate emissions.

An experienced partner

Environmental regulations continue to be a mix of ever tightening state, regional and national laws. Great wall offers the broadest range of solutions to reduce plant level emissions, including: products for particulate removal, industry-leading low NOx technology, SOx reduction technologies, THC/VOC controls and a cost-effective solution to mitigate mercury emissions. An experienced and professional partner in controlling multi-pollutants, we provide engineered solutions that ensure specific emission requirements are continuously met.

Emissions guarantees

Great wall provides emissions testing services to help determine if plants need to take emissions-reducing measures. For existing plants, we measure current emissions and make improvement recommendations. For new plants, we utilise the best predictive model in the industry, which calculates with great accuracy what the actual levels will be once the plant is up and operating at full capacity. When Great wall builds or modifies a plant it utilizes its own program of Continuous Emission Measurement Systems (CEMS), which not only guarantees emissions compliance in terms of what and how to report, but is also a fully integrated resource for the plant process control system. All of which explains why customers consistently cite our competence in emissions technology as a key factor in awarding us their business.

Cement plant customer services

Plant and field services Our service portfolio is dedicated to helping maintenance managers reduce or even eliminate unscheduled stoppages. A full range of maintenance services includes



preventive and predictive maintenance as well as troubleshooting and failure analysis services. Great wall offers a range of essential audits and inspections to help you evaluate plant operation and maintain a high level of productivity. Specific inspection services range from electrical and mechanical, material handling and gear inspections to total plant evaluations. Our specialists can help you identify potential problems and

quickly target and repair malfunctioning equipment, always with a view to minimising future occurrences. Other key areas of support include automation services, erection and commissioning services, technical support and troubleshooting and air pollution control equipment services. Because great wall group understands the workings of each and every aspect of a plant – and how one process interacts with the next – we're better able to serve you.

Spare parts

We have always been committed to delivering spare parts for as long as you need them – whether your plant is nine years old or 99. Our original drawings, documentation and long experience in the manufacture and specification of quality spare parts can help ensure optimum spare part management – even when it comes to spare parts for older legacy control systems. When unexpected problems occur, you can trust us to respond rapidly – and accurately. We have an exacting process to review your specific equipment needs and to verify that the spare parts we provide match your requirements. Additionally, as a one-stop supplier we can deliver all your necessary OEM and third-party items

Testing services

We also have the capability and expertise to design your cement plant, build it and optimise it for profitability. Each application is analysed based on raw material characteristics and product quality requirements before the optimum technology is selected. Bench scale testing and extensive pilot plant facilities are available, so the entire process can be analysed for feasibility. The test results, coupled with extensive data from commercial operations, are used to scale up to the commercial size process.

Operation and Maintenance

An Operation and Maintenance (O&M) contract with great wall group is the perfect outsourcing option for quality-conscious plant owners.



The basic principle of O&M is that we take over the operation of your plant, guaranteeing output levels for an agreed price per tonne. All you have to do is

account for certain basic provisions and let us take responsibility for plant performance.

In this way, you can convert fixed costs to variable costs, safe in the knowledge that

you will only be charged if we perform. By getting set guarantees from us, you are able

to make informed decisions and plan ahead, particularly with regard to related aspects of

the business, such as finances or marketing. great wall group is committed not only to operating your plant as efficiently as possible, but also to maintaining it in premium condition. We perform regular scheduled checks on vital equipment, ensure staff are well trained and constantly monitor processes to spot and remedy potential problems early on. All this reduces costly unscheduled stoppages to an absolute minimum. We are constantly looking to improve processes and technology. From simple improvements based on experience and insight to more radical upgrades, they all act to keep your plant in perfect working order. Our goal is to maximise your assets for the long term by optimising all operations and maintenance.

Why choose Xinxiang Great Wall?

E-mail: sales@gwmcn.com

Skype: GreatWall1958

Tel: +86-371-55019878

Website: <http://www.greatwallcorporation.com>

(1) More than hundred customers recognized brand



Since the factory established in 1958, Xinxiang Great Wall gain hundreds of loyal customers' recognition in the sales chain for ball mill, vertical roller mill, rotary kiln. And Xinxiang Great Wall established strategic partnership with Shanghai Baosteel, FLSmidth, Arcelor Mittal, Pohang Iron and Steel Co. Ltd (POSCO), Umicore etc.

(2) One-stop solution provider

With more than half a century of research and development production experience, on-the-spot guidance for more than one hundred client, Today, Xinxiang Great Wall is fully able to provide customers from the scheme design, equipment selection, processing and manufacturing to installation, commissioning, technical training, and finally reach output and standard. That is to say, Xinxiang Great Wall has achieved the magnificent transformation from single equipment manufacturing to system solutions service.

(3) Warm and thoughtful service build the brand



Supply customers with "Secure choices, Easy operation, Satisfactory service" is the constant purpose of Xinxiang Great Wall for more than half a century. Equipment maintenance, spare parts supply, customers pay a return visit, perfect service and high-quality products make Xinxiang Great Wall stands in front ranks in the field of large equipment manufacturing and become numerous grinding enterprises' common choice.