

A photograph of a large industrial conveyor belt system at a cement plant. The conveyor belt is made of metal and runs diagonally from the bottom left towards the top right. At the end of the belt, there is a large cylindrical hopper or feeder that is actively discharging a stream of grey cement powder. The powder is falling into a large, conical pile of cement on the ground. The background shows a clear blue sky and some industrial structures. The text "INDUSTRIAL VACUUM SOLUTIONS FOR CEMENT PLANTS" is overlaid in white, bold, uppercase letters across the middle of the image.

**INDUSTRIAL VACUUM SOLUTIONS
FOR CEMENT PLANTS**

COMMON PROBLEMS OF CEMENT PLANTS

During cement production, a considerable amount of fine, harmful dust is released into the plant. This dust is deposited throughout the plant and poses a serious threat to workers' health and production efficiency.



GENERAL CLEANING

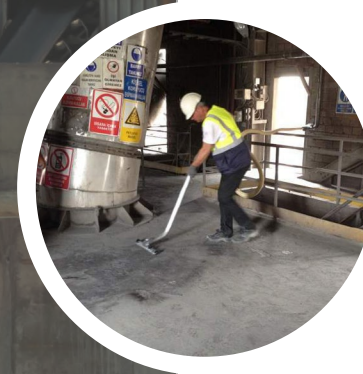
The accumulation of cement dust on floors, walkways, machines, and the top of silos creates significant health and safety risks, causing serious problems for workers who continuously breathe in this dust.

Moreover, they obstruct the proper visibility of walkways and machines in motion.



MATERIAL HANDLING

Cement production is based on endless transfers via conveyor belts or bucket elevators that pour the transported material into the ground. As a result, there is a large and continuous accumulation of spillages that affect efficiency transport and can often interrupt production.



ALTERNATIVE FUELS

Most of the fuels used in cement plants are crushed rubber tyres, animal meals, textile fibres, and plastic residues burnt in kilns.

All these alternative fuels are added to the cement mixture at about 15% to save the cost of ordinary fuels and dispose of hazardous waste. However, it increases fire risks in storage.



BAGGING PLANT

A large amount of suspended dust is produced by the rotopack machines, conveyors that transfer the bags to the loading area, by broken bags and by continuous spillage during handling.

As a result, dust is everywhere and negatively affects the safety and health of the operators who are continuously exposed to breathing risks.

SPECIFIC DHV SOLUTIONS

The DHV range of industrial vacuum cleaners is designed to cope with any heavyduty work: high power, high collection capacity, coverage of long distances.

PREVENTIVE MAINTENANCE • RANGE OF VACUUM CLEANERS

Efficient plant management on a regular basis will avoid many problems and provide a safe working environment. Delfin's industrial vacuum cleaners are the best solution for removing dust from any environment, ensuring maximum efficiency and safety in any production area.



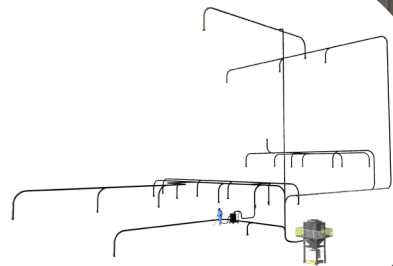
EASY COLLECTION AND RECYCLING

In order to allow a good workflow and avoid problems with the system, regular and efficient cleaning is necessary. Dust removal with a DHV system will avoid any risk of downtime.



ATEX SUCTION SOLUTIONS

These environments need regular cleaning to avoid the risk of explosion and to keep the crane in permanent operation (no stops). Dust removal with an ATEX vacuum system prevents any risk of explosion.



FIXED INSTALLATIONS

The powerful central vacuum system with piping along the productive process is the most suitable solution for removing large amounts of dust on a regular basis. All material is collected in a large disposable big bag or reintroduced in the production system.



Delfin is a global leader in the manufacturing of industrial vacuum equipment, ranging from portable vacuums for industrial cleaning, to central vacuum systems and engineered solutions, to pneumatic conveying systems. Our mission is to create value by designing innovative solutions that improve efficiency, safety, and productivity. Our aim is to use our expertise to help our customers to achieve their goals.



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