



# PELICAN™ System

ALTERNATIVE FUEL FEEDING SYSTEM FOR CEMENT PLANTS

PELICAN SYSTEM  
Powered by Entsorga

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**ENTSORGA'S PELICAN™ SYSTEM PROVIDES A COMPLETE LINE FOR THE SUPPLY OF ALTERNATIVE FUELS TO CEMENT KILNS**

**THIS SYSTEM ALLOWS SUPPLYING THE KILN IN AUTOMATIC AND CONSTANT MODE, VARYING THE FLOW RATE ACCORDING TO THE NEEDS OF THE PLANT.**





ENTSORGA'S PELICAN™ SYSTEM PROVIDES A **COMPLETE SET OF TECHNOLOGIES FOR FEEDING CEMET PLANTS WITH A WIDE RANGE OF ALTERNATIVE FUELS.**

**FLEXIBLE, HIGH PERFORMANCE AND LOW ENERGY CONSUMPTION, OUR PELICAN™ SYSTEM IS DESIGNED TO GUARANTEE A STEADY AUTOMATED SUPPLY TO KILNS, WITH A CONSTANT AND ADJUSTABLE FLOW ACCORDING TO THE PLANT REQUIREMENTS.**

### WHY USE THE SOLID RECOVERED FUEL (SRF)

Alternative Fuels Coprocessing

Solid Recovered Fuel (SRF) for cement producers represents a **cheaper and more sustainable alternative to fossil fuels:**

- Cement production costs **can decrease (up to 8%)**
- **reducing greenhouse gas emissions**
- **limiting the consumption of non-renewable resources**

The use of CSS also has **specific advantages in the production of cement:**

- **Improves emissions profiles:** the long residence time and high process temperatures allow destroying organic compounds and re-qualify the PCDD / DF (polychlorin-dibenzo-p-dioxins), also **neutralizing the emission of acidic gas** deriving from active lime, sulfur oxides and hydrogen chloride.
- It creates **very stable bonds** (metal silicates) in the **clinker structure**, which incorporate heavy metals without the production of ash or liquid residues from gas

### ADVANTAGES

- **Complete automation:** Entsorga's in house developed software controls loading and unloading speed from delivery trucks
- **Low opex and reduced storage space:** the optional automatic overhead crane allows managing large volumes of fuel
- **Flexible management of the supply flow,** adjustable according to the system needs.
- **Safer working conditions for operators:** thanks to the suction system, the operator is not exposed to dust

## APPLICATIONS

**Cement/lime producers** and other industrial users of alternative fuels

## SYSTEM COMPONENTS

Entsorga's Pelican™ system includes a **complete and customizable line of solutions** to manage each phase of alternative fuel **from receiving and feeding to the injection point**, including an **automatic control system** capable to monitor and manage the flow:

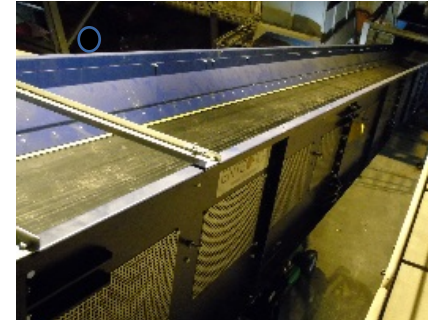
RECEIVING STATION



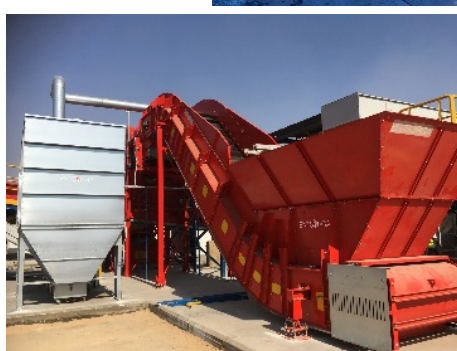
DOSING AND FEEDING SYSTEM



CONVEYOR BELT



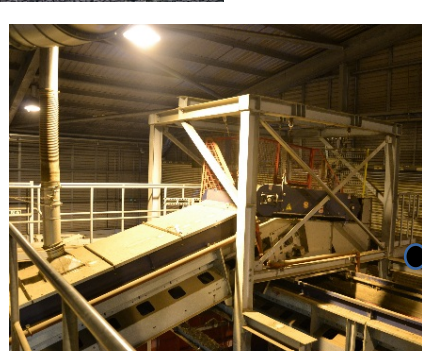
WALKING FLOOR



CHAIN CONVEYOR



AUTOMATED CRANE FOR MATERIAL HANDLING AND STORAGE



MAGNETIC SEPARATOR



SCREENER



FLOW CONTROL SYSTEM

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