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**MAGALDI DRY
ASH MANAGEMENT**

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The fully dry Incinerator Bottom Ash
management solution



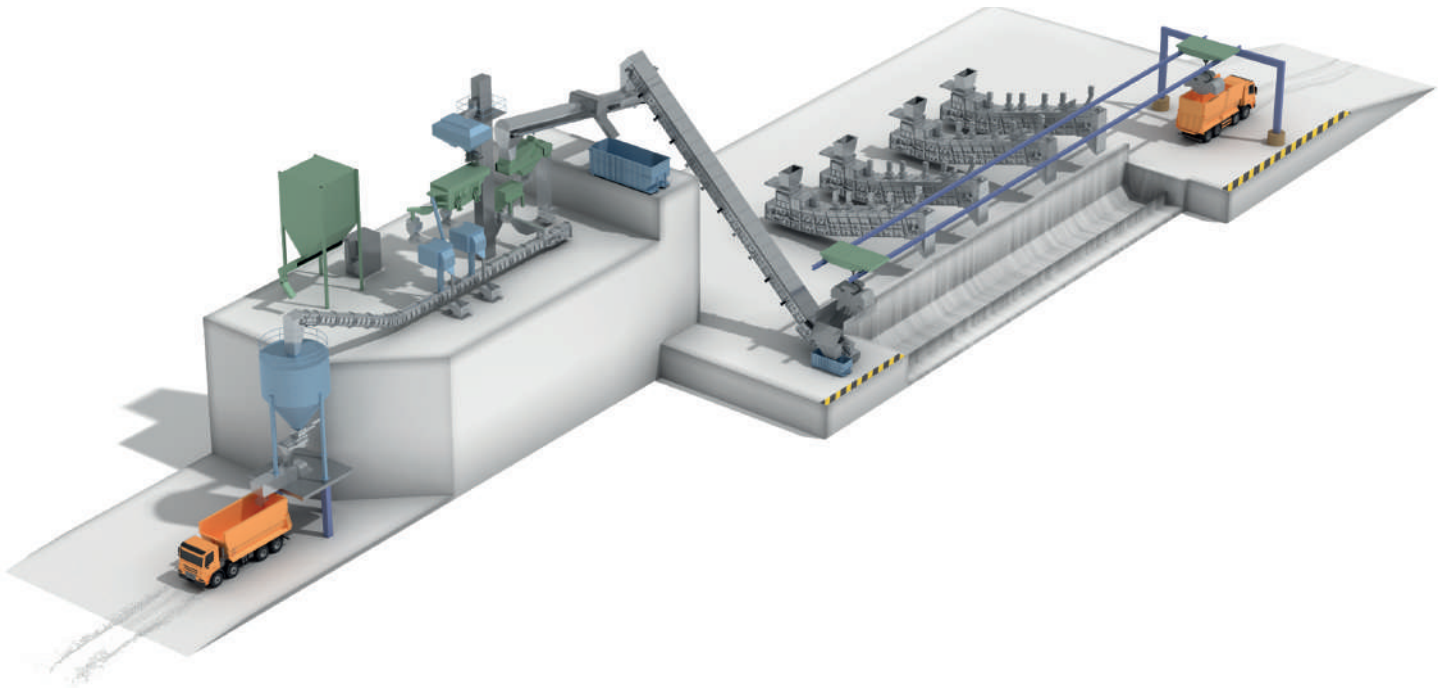
Turnkey Solutions Provider

At **Magaldi**, we firmly believe that dry Incinerator Bottom Ash (IBA) represents the future of the **IBA treatment** industry.

This belief is driven not only by environmental considerations but also by the enhanced benefits it offers to plant operators and owners.

Together, for the planet.

MAGaldi Dry Ash Management



Dry IBA Extraction

THE ECOBELT® WA SYSTEM

Designed to extract, cool, and handle Incinerator Bottom Ash (IBA) from solid waste incinerators using a **fully dry approach**, the **Magaldi Ecobelt® WA** system overcomes the limitations of conventional wet ash extractors.

It combines the dependable **Superbelt®** conveying technology with a dry cooling process, providing key advantages, including:

- Utmost dependability
- Zero water usage
- No dust or gas dispersion to the environment during transportation
- Reduced Total Organic Carbon (TOC) due to afterburning on the belt



MAGALDI
Dependable technologies
SALERNO-ITALY
www.magaldi.com

Dry IBA Treatment

Compared to other treatment technologies, **dry IBA treatment** provides increased metal recovery efficiency, resulting in several key benefits, such as:

- **Higher substitution** of primary metals
- Increased **revenues**
- Greater **ecological savings**
- Ability to process IBA **down to 0.2 mm**

From an operator's perspective, dry IBA treatment plants offer a wider range of design possibilities compared to wet treatment technologies.

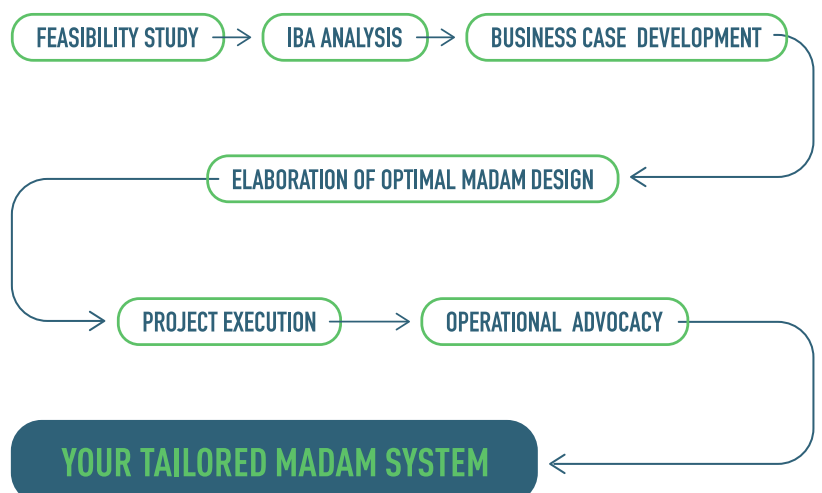
Some key distinctions include:

- Consistent material properties, as there is **no moisture involved**
- **Easier quality control**
- Potential for a **fully automated system**
- **Dust-free** environment for workers through a fully enclosed system



FROM CONCEPT TO
COMPLETION:

Magaldi's Service Spectrum





Why go fully dry?



ZERO WATER USAGE

No water treatment system required



IMPROVED QUALITY CONTROL

Fast detection of system malfunction



20-30% COST SAVINGS

Less transportation cost & less landfill fee



FULLY-AUTOMATED SYSTEM

Ability to run 24/7



HIGHER METAL QUALITY

Increased revenue



FAST OPTIMIZATION

Automation enables data analysis



HIGHER METAL QUANTITY

Possibility to recover metals down to 0.2 mm



INCREASED LIFETIME

No water, no corrosion



REDUCTION IN CO2 EMISSION

Up to 800-900 kg CO₂eq savings for each ton of treated IBA



HEALTH PROTECTION

Enclosed system protect workers from inhaling dust



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