

10MW Colombo Waste-to-Energy Power Plant

A permanent solution

For safe disposal of MSW by
Aitken Spence PLC while
producing renewable energy &
secondary raw materials



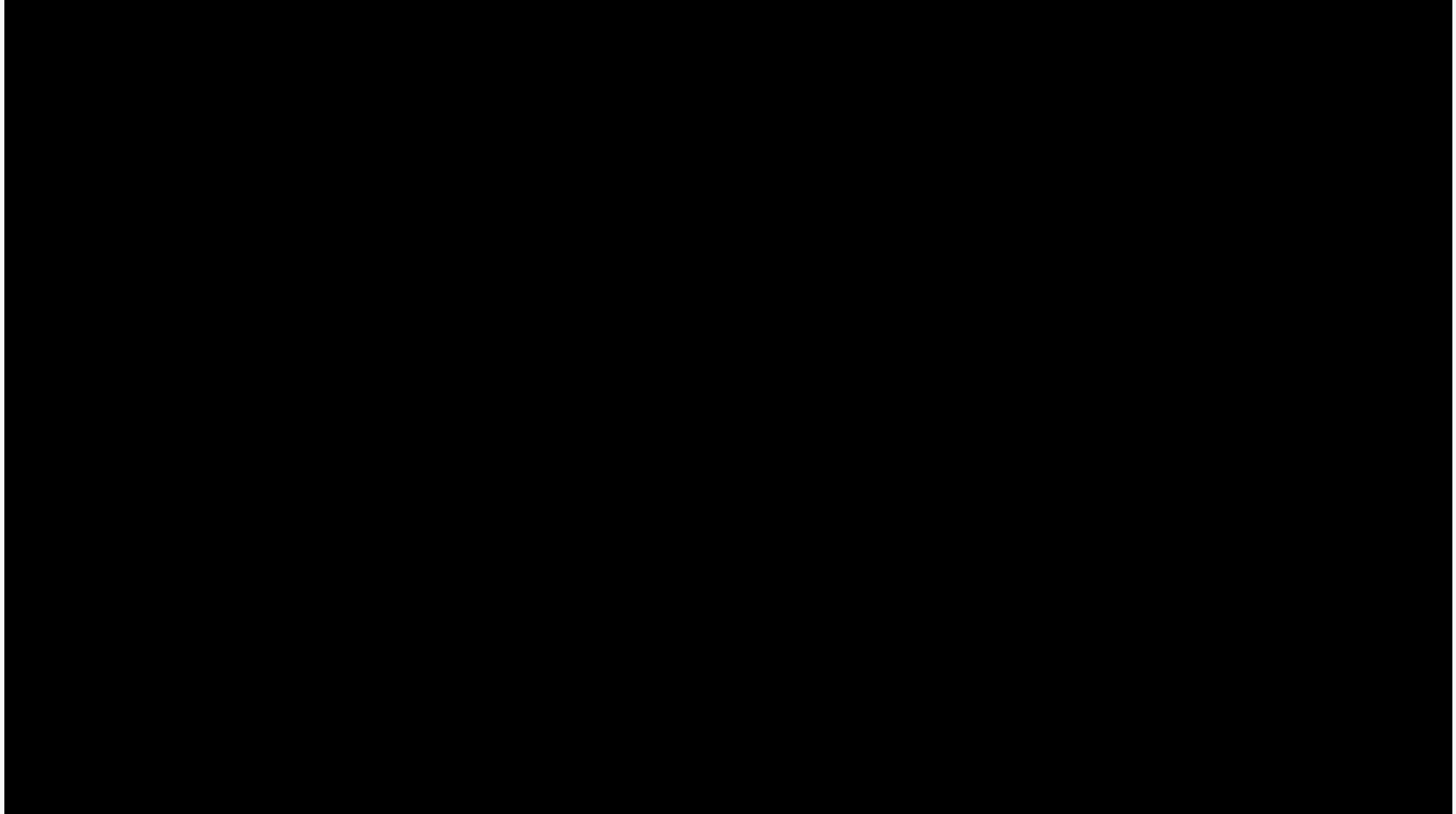
Sri Lanka's First and Only WtE Power Plant

Aitken Spence PLC (through its subsidiary Western Power Co. Pvt. Ltd.) developed, financed, constructed and now owns & operates the plant



- Project Size: **10 MW**
- Waste (MSW) processing: **Up to 700 metric tons per day**
- Location: **10km north of Colombo city**
- Investment: **LKR 13 billion by Aitken Spence PLC**
- Commencement: **December 2020**
- O&M: **Local staff of Aitken Spence PLC**
- Key Agreements: **PPA with the utility, WSA with the CMC**

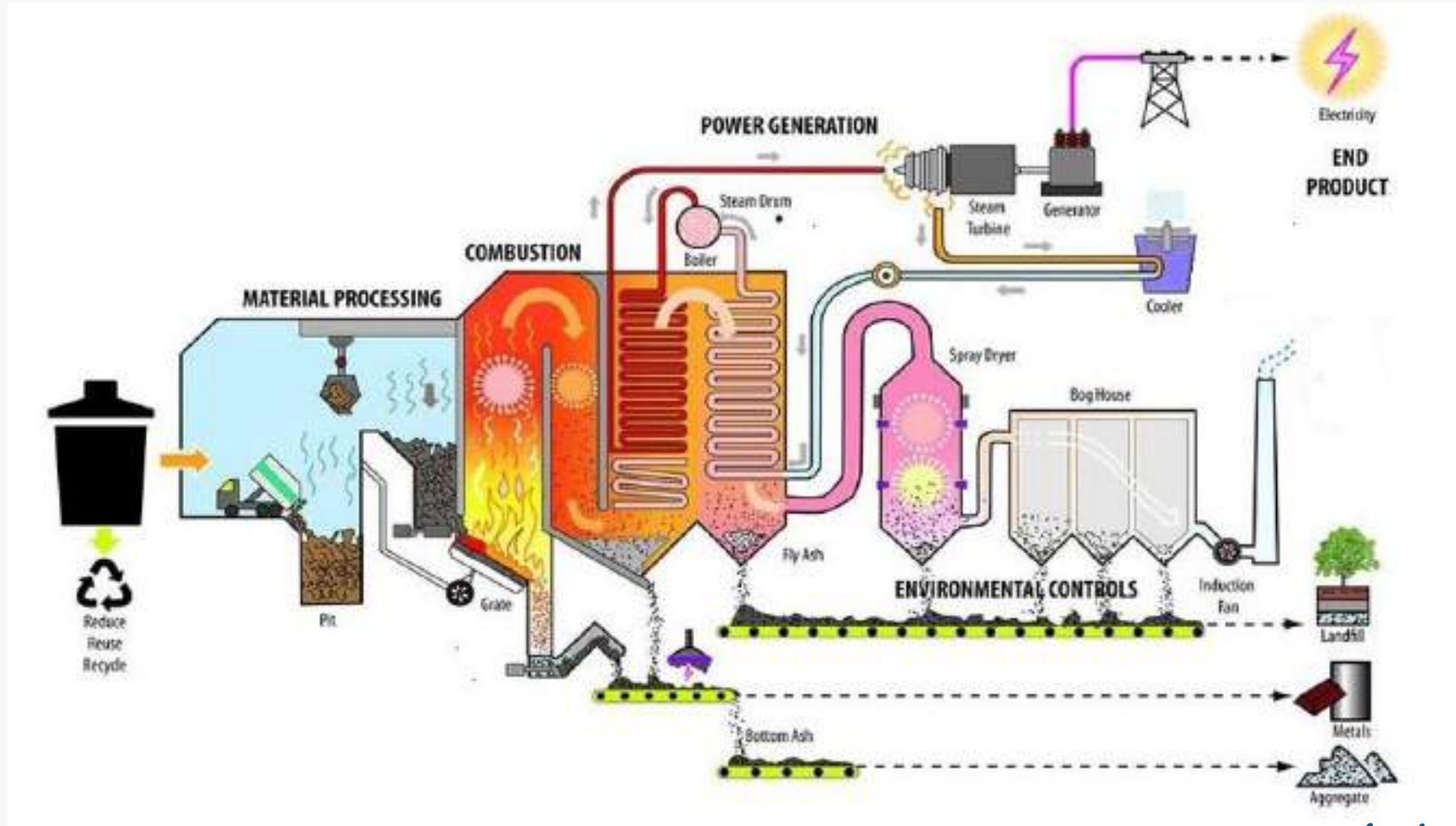
Basic WtE Process – Plant Video



Basic WtE Process

Controlled MSW incineration → Steam → Electricity

Plant Video: <https://www.youtube.com/watch?v=YTM3GZuNL4s&t=1s>

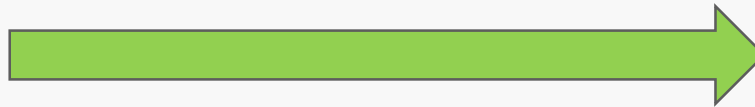


Our Solution for Colombo

Transformation from a disastrous crisis to a clean & illuminated city



**Colombo WtE Power Plant
by Aitken Spence PLC**



Internal



Beyond Energy: Circular Economy

Waste does not end with energy.

Through in-house R&D, we are turning byproducts into economic value



- Ash - Paving bricks and construction aggregate
- Metals - Recovery through “Urban Mining”
- Land reclamation

Impact of the Aitken Spence WtE Plant

Without this plant, it would have been another calamity



- **1,222,533.9 tonnes** MSW processed
- **398 million kWh** renewable energy generated
- **95.5 million Liters** of Diesel fuel burning eliminated (Corresponding savings: **LKR 36.5 billion**)
- **789,000 t CO₂e** avoided
- Approximately **136,000 t** of ash reused for construction
- **90** Local skilled staff developed (**knowledge transfer**)

Note: Above cumulative figures are as of end September 2026.



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Corporate video:

<https://youtu.be/YQTfAHyKeos?si=pp4tveoRay2y9Hsg>

