



PROCESS TECHNOLOGY · VANCOUVER, BC · SINCE 1954

Air and water systems, engineered since 1954.

Company presentation · [Audience] · [Date]



TITLE	REV.	STATUS
AHLS — Preliminary Visual System Concept	P1	Preliminary — not approved by AHLS

Wet ESP Systems

Wet Electrostatic Precipitator (Wet ESP or WESP) Systems are widely accepted as the leading technology for control of difficult-to-collect fine particulate emissions.

up to
99 %
COLLECTION EFFICIENCY

less than
10 mg/Nm³
OUTLET LOADING

- Proprietary disk-in-tube electrode configuration
- High frequency power supply
- Inlet designed for upflow or downflow gas handling

Performance as published on ahlundberg.com (accessed 2026-10-02). Project-specific values to be confirmed by AHLS.

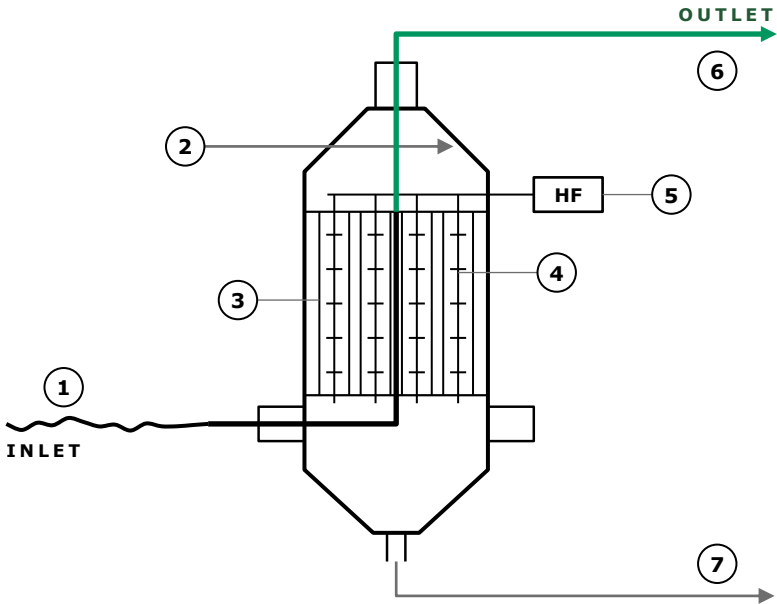


Fig. 1 Conceptual schematic, upflow shown — not to scale. To be verified by AHLS engineering.

- LEGEND**
- 1 Gas inlet**
Process off-gas with fine particulate, fumes, aerosols or acid mist.
 - 2 Wash water**
Integrated water recycle, treatment and disposal (scope option).
 - 3 Collecting tubes**
Stainless steel on all internal surfaces; higher alloys available.
 - 4 Disk-in-tube electrodes**
Proprietary AHLS electrode configuration.
 - 5 High-frequency power supply**
Maximizes total electric field and available power.
 - 6 Clean gas outlet**
Up to 99% collection efficiency; outlet loading < 10 mg/Nm³ (published).
 - 7 Collected liquid**
Drained to the water recycle and treatment system.

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CASE STUDY · STRUCTURE TEMPLATE

[Project name]: [system] for [industry]

PROJECT FACTS

CUSTOMER	[Name or descriptor — with written permission]
LOCATION	[Region / country]
INDUSTRY	[e.g. Pulp & paper]
SYSTEM	[AHLS system]
SCOPE	[Basic · Detailed · Turnkey]
YEAR	[YYYY]

