SCAN WAS SUOMEN ERITYISJÄTE

# Visitor's Guide

Welcome to visit our waste incineration bottom ash treatment plant!

## Out with the old, in with the new.

**Suomen Erityisjäte Oy** is specialised in waste treatment and recycling. We are using state-of-the-art technologies and aim at improving national and international objectives of circular economy.

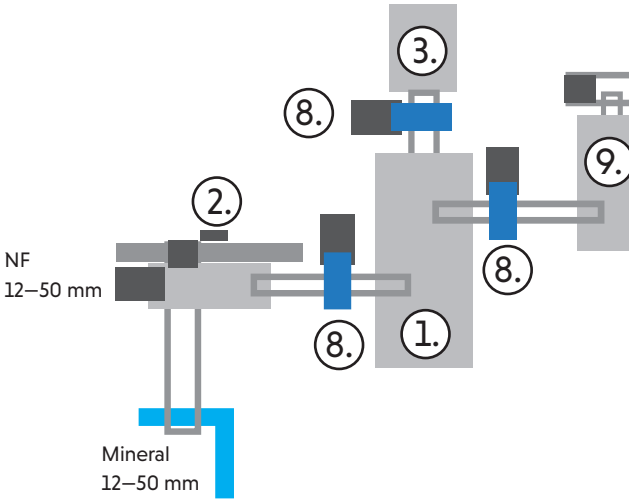
# During your visit, please follow our safety-related procedures and guidelines:

Passing the area is permitted only by permission of Suomen Erityisjäte Oy and with a host. Your host will guide you in and out of the area.

- Do not enter any areas isolated by sealing-off lines or fences!
- **WARNING!** Beware of the moving machines on the area – stay visible.
- First aid supplies and fire extinguisher can be found in the site office (6.).
- Taking photographs is permitted. Taking videos is prohibited.

## Treatment plant

1. Two-deck screen
2. Eddy current separator
3. Manual separation when necessary
4. ADR dry separator
5. One-deck screen
6. Site office
7. Info
8. Magnets
9. Feeder bunker



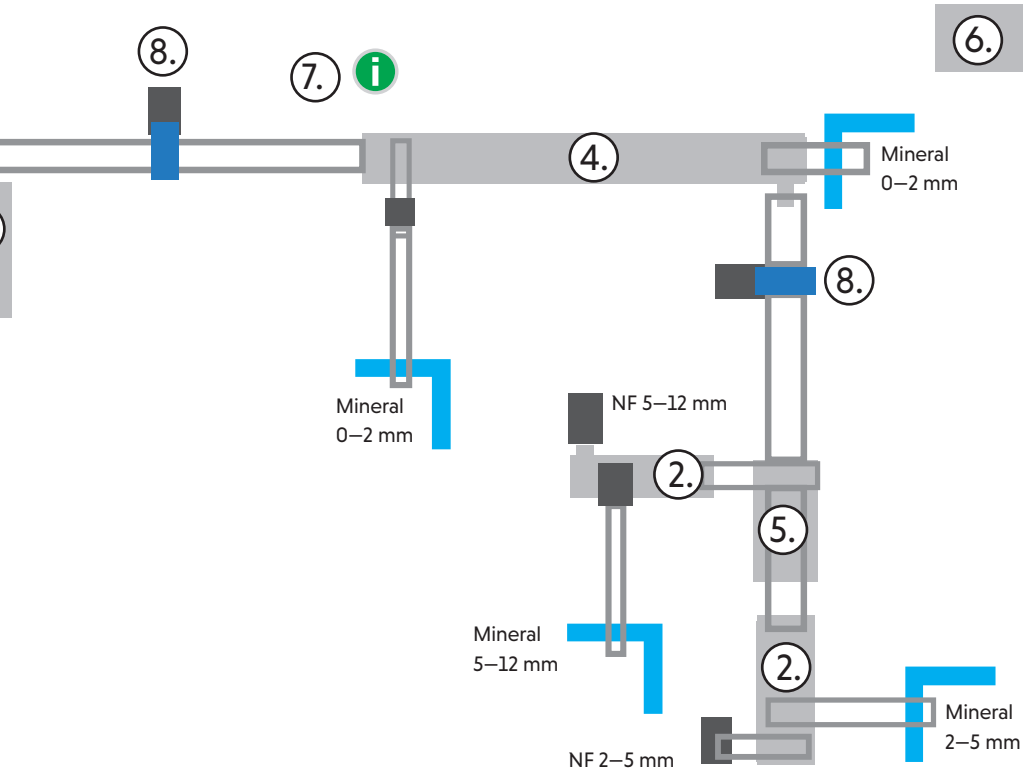
# Required protective equipment on the area:

- Protective clothing with high visibility (e.g. jacket, vest)
- Safety shoes (S3)
- Safety helmet
- Respirator and safety goggles, if necessary (e.g. dry, windy weather)
- Hearing protection/earmuffs, if necessary (earplugs available from the site office, see map: 6.)

**Strong magnetic field**

**No entry for persons with pacemakers**

**No entry for persons with metal implants**



# Bottom ash treatment

Treatment with dry separation technique

- Ageing of raw bottom ash is not required
- Waste waters are not produced

Treatment capacity approximately 100,000 t/year

Recovery rate of non-ferrous metals 70–80 %

End products:

- Ferrous metals <12 mm + 12–50 mm + over 50 mm
- Non-ferrous metals 2–5 mm + 5–12 mm + 12–50 mm
- Mineral fractions 0–2 mm + 2–5 mm + 5–12 mm + 12–50 mm
- Stainless steel (when manual separation is used)

The utilization of mineral fraction (approx. 85 % of raw bottom ash) e.g. for civil engineering and concrete industry

SCAN WAS SUOMEN ERITYISJÄTE

## Contact information

Quality and Operations Engineer/Foreman
Jukka Rautiainen
+358 040 772 8764
jukka.rautiainen@erityisjate.fi