



Project:

# Østfold Avfallssortering IKS - MRF

Title:

## APPENDIX A9

## CIVIL WORKS

C1		For Contract			
B1	15.09.22	For Tender	LIF	PT	ASE
A1	27.06.22	For Internal control	LIF	PT	LIF
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## 1 CIVIL WORKS

The plant will be located at Viken Park (industrial site) located in Fredrikstad municipality, refer Appendix F.

Total area for the plant will be approximately 8 000 m<sup>2</sup> and include:

- Reception hall with shredder; approx. 1 760 m<sup>2</sup>
- Sorting plant process hall; approx. 2 650 m<sup>2</sup>
- Storage and loading hall for sorted fractions; approx. 1 460 m<sup>2</sup>
- Administration and technical rooms; approx. 2 020 m<sup>2</sup> (total)
- Washing hall for machines and equipment; approx. 110 m<sup>2</sup>

Free heights in the respective areas are:

- reception hall: 10 m
- storage and loading hall: 10 m
- sorting plant process hall: 15 m

Residual waste to incineration is loaded directly into closed containers via a stationary compacting station.

The administration and technical rooms consist of approximately 2 000 m<sup>2</sup> in three floors. This includes transformer room, MCC room, compressor room, ventilation, other technical rooms, control room, changing rooms/showers, toilets, offices, and meeting rooms.

Changes and optimization of the administration / technical building and the halls will be done during the detail engineering phase.

Ground, foundation, and concrete work plus steel work on the building itself will mostly be finished before installation of the process plant.

Technical installations in the building, electro, heat and ventilation etc., will be done before and in parallel with electromechanical installation of the process plant. Installation of water sprinkler system under conveyors and completion of lighting in process areas will be finalized after process plant installation. Needed collision test of the 3D drawings shall be controlled during the detailed engineering phase.

Client is responsible for and will order the Civil work separately. For further information, refer Appendix A11.

For preliminary design of the building, refer 3D model in Appendix F.