

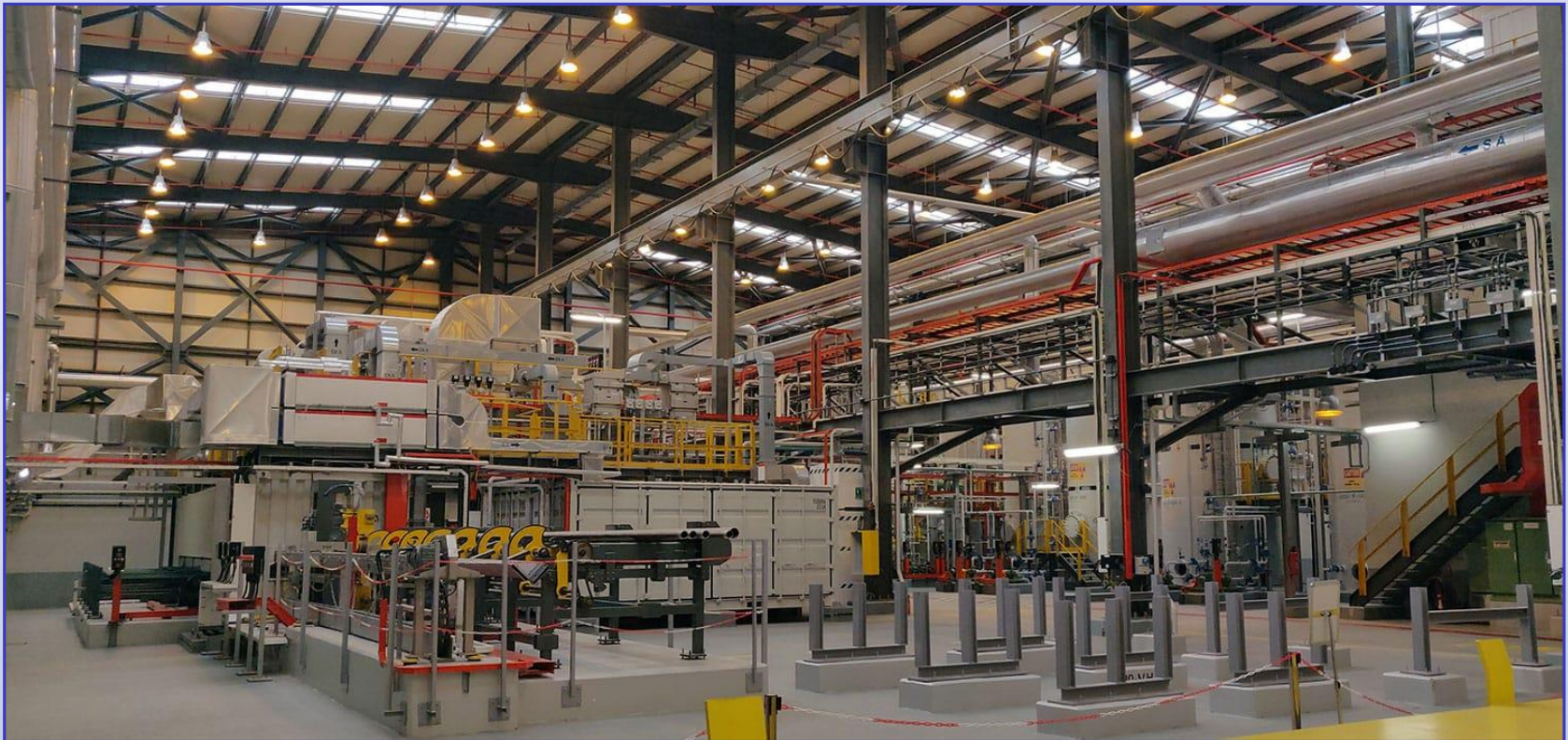


HELGESON

— SCIENTIFIC SERVICES —



MPDS



Waste to be treated

Tubulars



Scale



Tubulars

Diameters: 2" – 5" (can be customized)

Length: 5 – 11 meters

Ends: female/male or threaded

Material: carbon steel, alloys

Scale thickness: 1 mm – 70% of pipe vol.

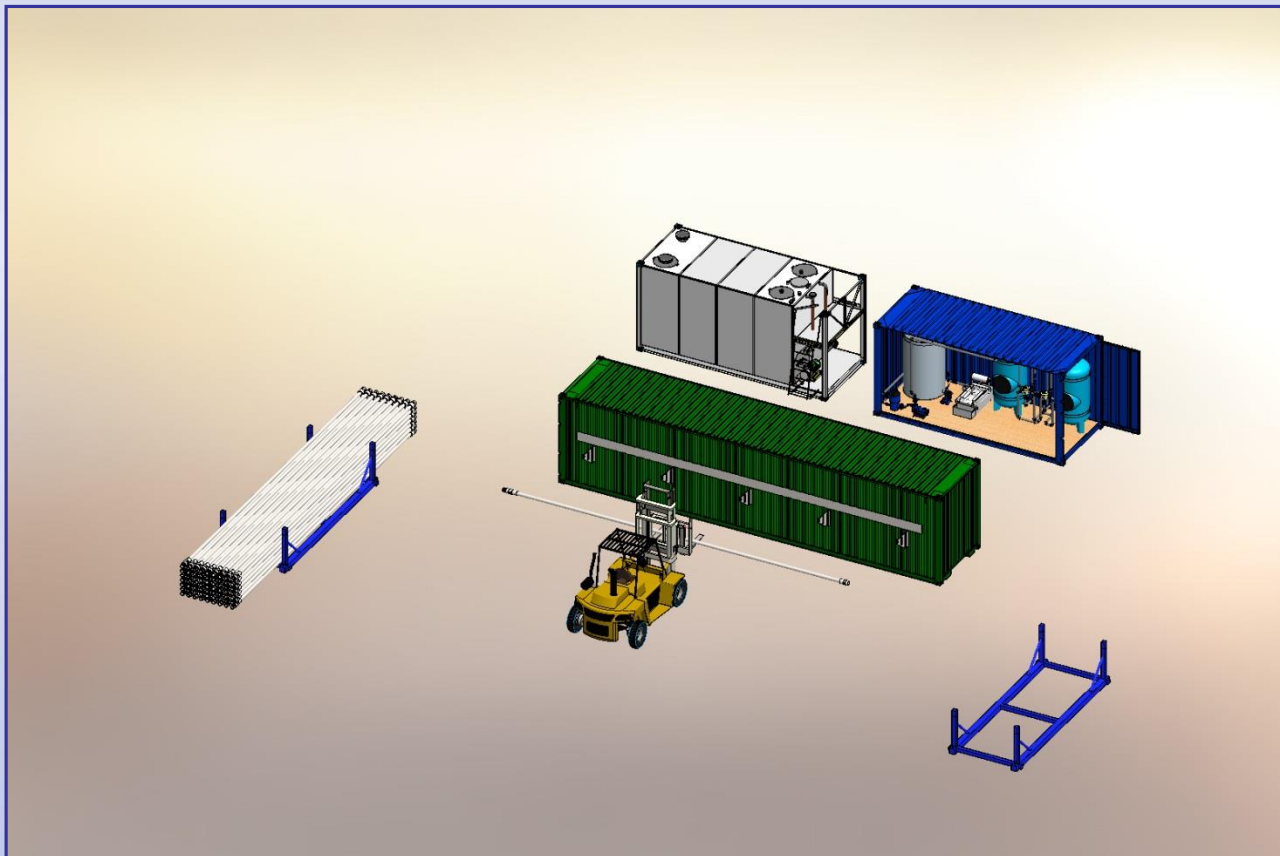
Dose rate: 1 – 2 $\mu\text{Sv/h}$



Tubulars



MPDS



NORM waste treatment



MPDS – Main components

High pressure pump



Rate pressure: 1400 bar – 20.000 psi

Flow: 50 L/min

Power: 132 kW 380V/50Hz 3 phase

Water tank: 300 L

Booster pump: 2 bar approx.

Water filter: 1 μm (typical)

Recommended cleaning capacity: 2 tub/h



MPDS – Operation

Human resources:

- 1) One unit operator and one forklift operator

Features:

- 1) Contention of all water inside containers → No spread contamination
- 2) Filtration of air through HEPA filters

Utilities and consumables:

- 1) Power and water
- 2) Filtration media
- 3) Operation consumables: lubricants, PPEs, etc.



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