



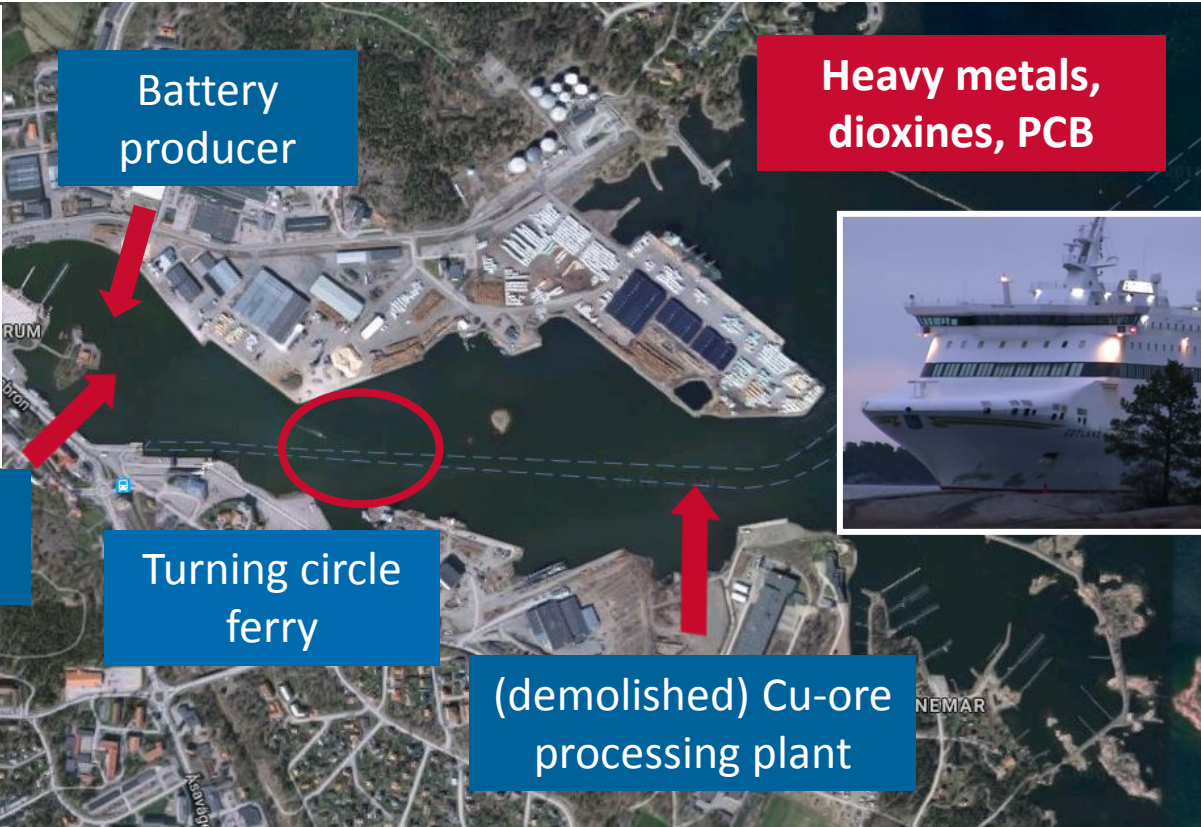
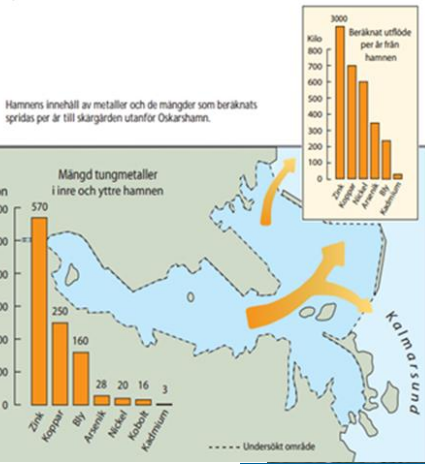
## Remediation of Oskarshamn Hamn

Bart Van Renterghem – Envisan NV

Past, present and future...

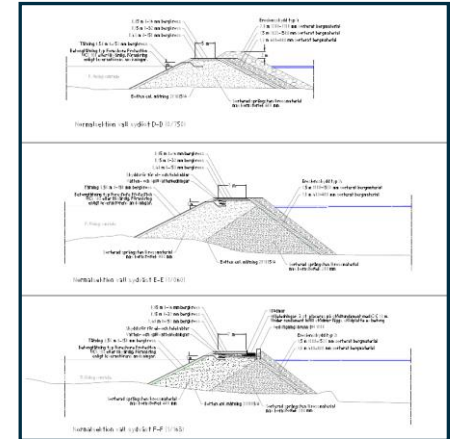
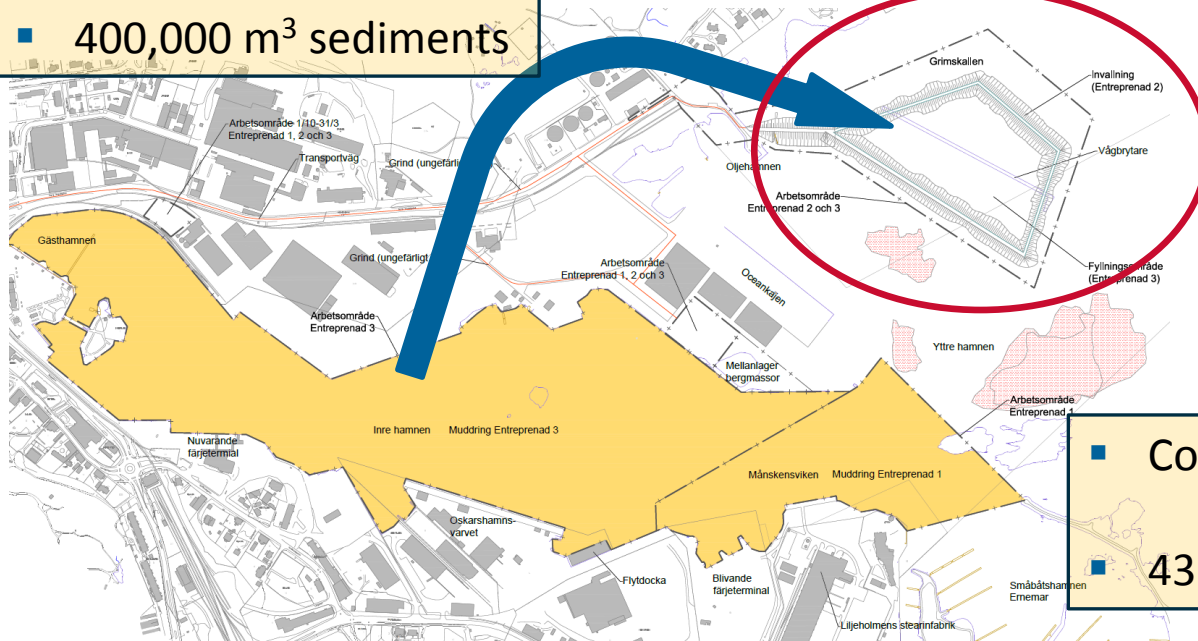


# REMIEDIATION OSKARSHAMN HAMN



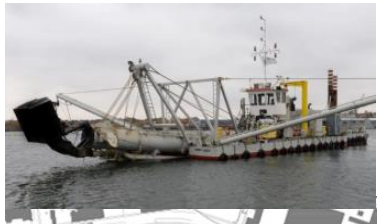
## Initial remediation plan – 2000 - 2014

- Harbour extension
- 400,000 m<sup>3</sup> sediments

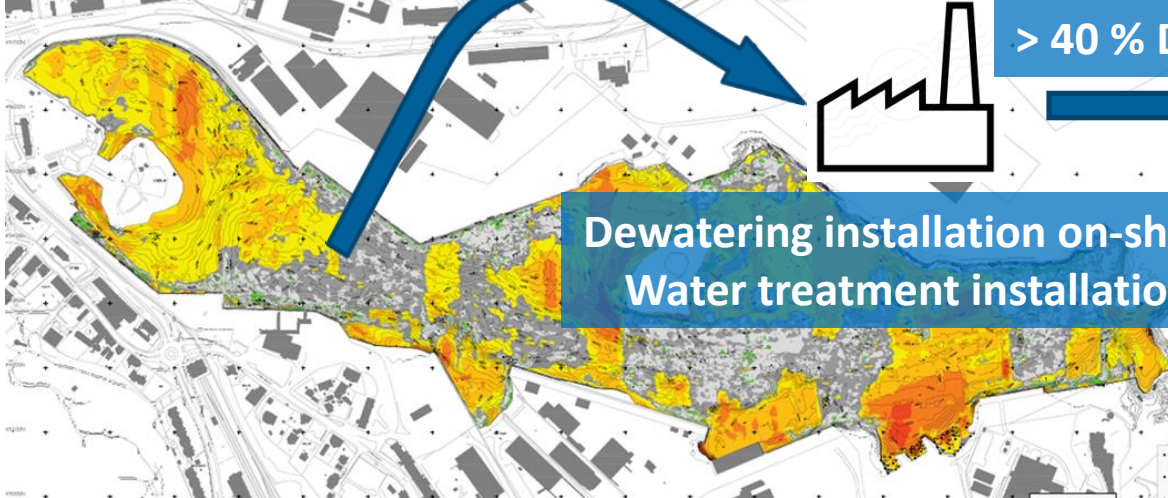


- Confined disposal area (350 m x 250 m)
- 437,900 m<sup>3</sup> rock works

## Final remediation plan - 2014



400,000 m<sup>3</sup> sediment  
@ 5 % DS



Dewatering installation on-shore  
Water treatment installation



> 40 % DS sediment



Mono landfill

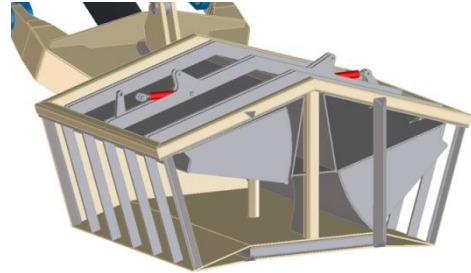


## Hydraulic dredging

- ca. 320,000 in situ m<sup>3</sup>
- Layers from 0,1 to 5 m
- Target of min 10 % DS

## Mechanical dredging

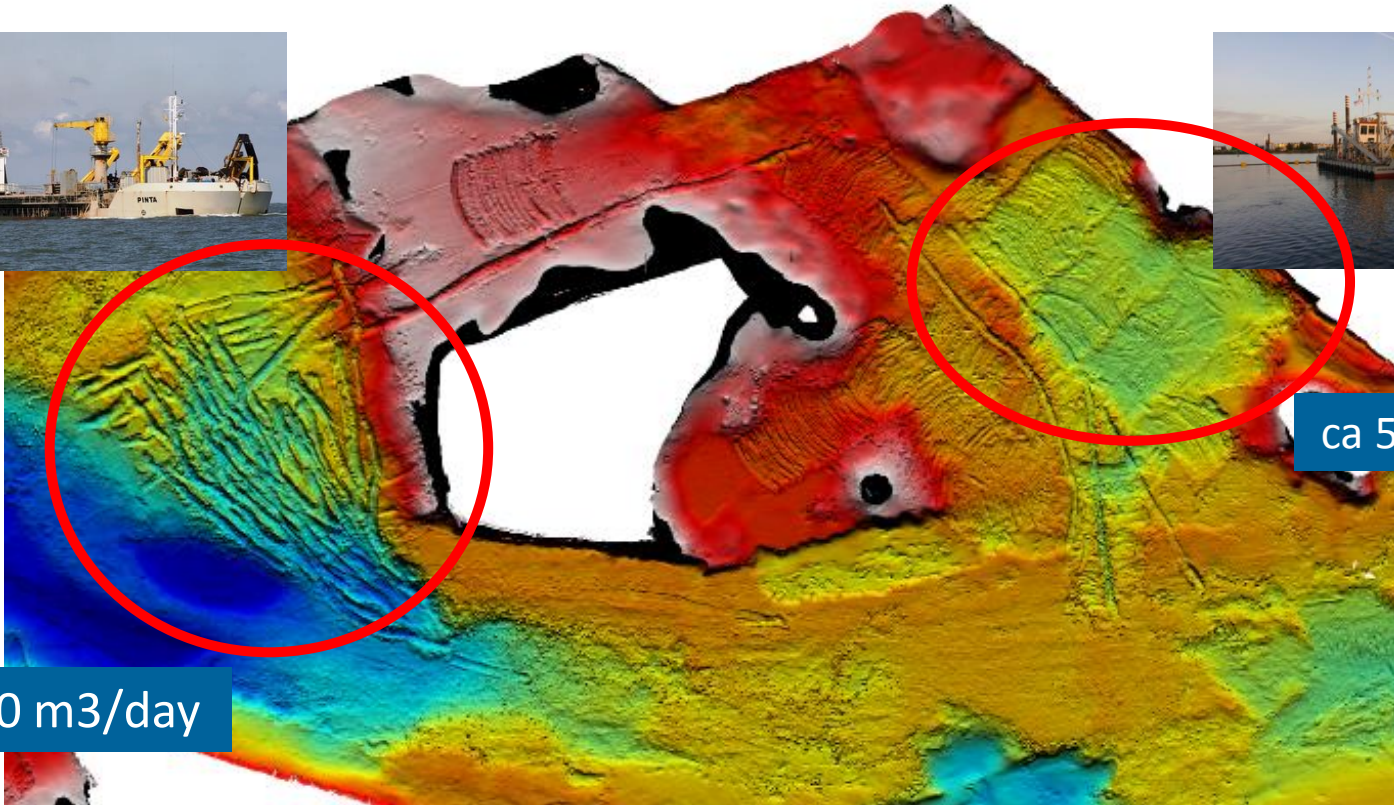
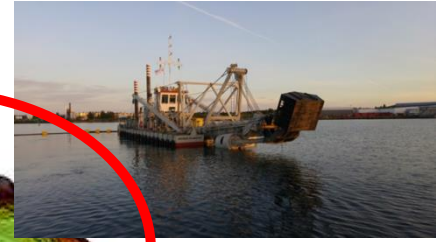
- ca. 70,000 in situ m<sup>3</sup>



# REMIEDIATION OSKARSHAMN HAMN



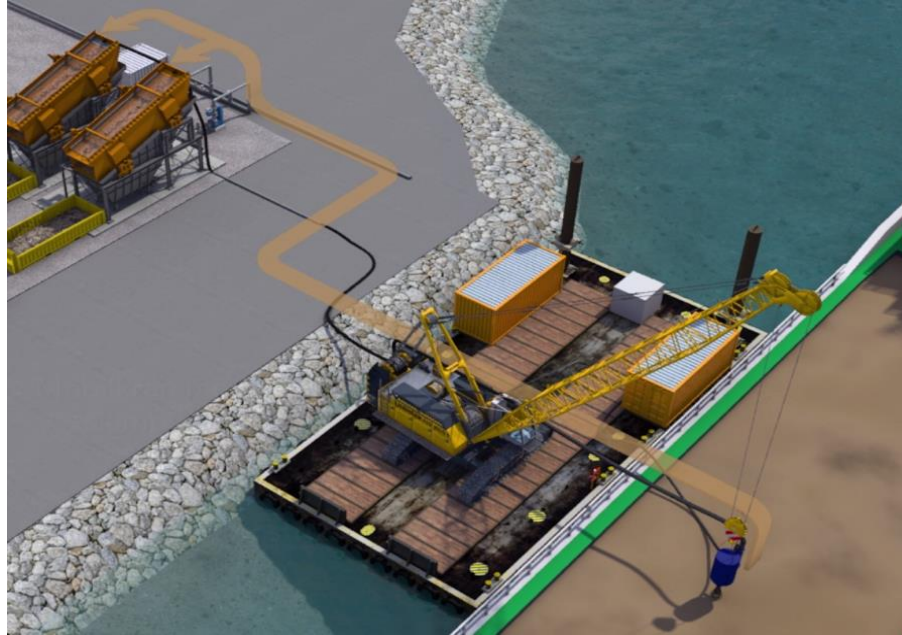
# REMEDIATION OSKARSHAMN HAMN



ca 1000 m<sup>3</sup>/day

ca 500 m<sup>3</sup>/day

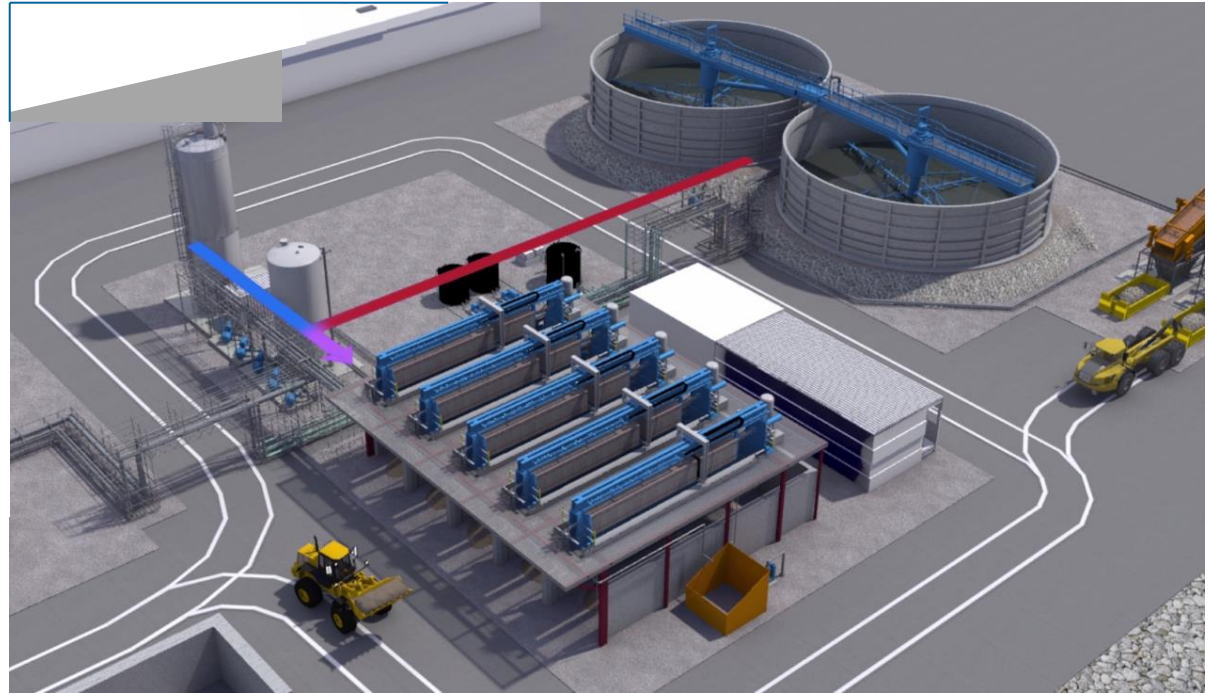




Sediment reception & sieving

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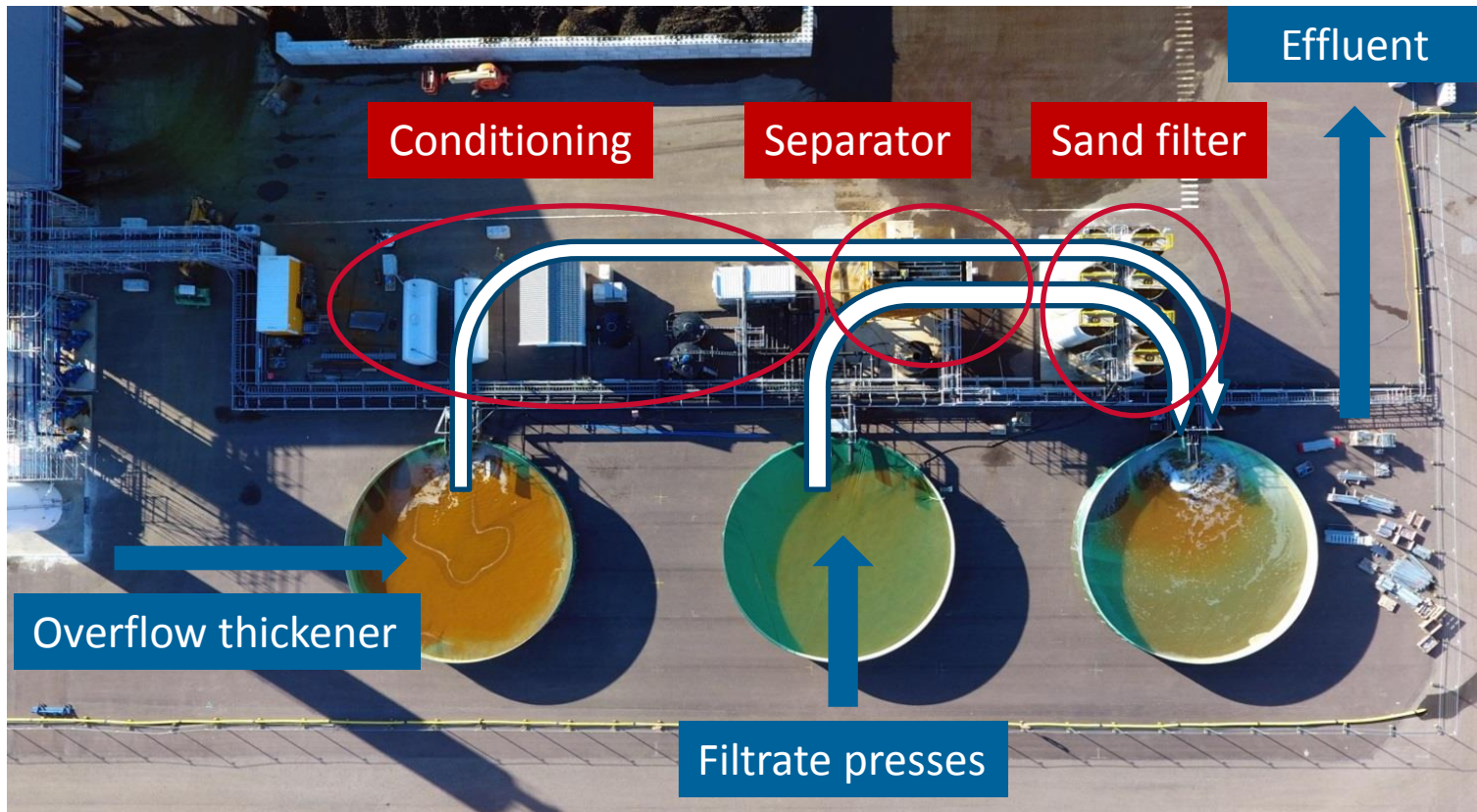
Dewatering from 10 % DS to > 40 % DS



Site impressions...



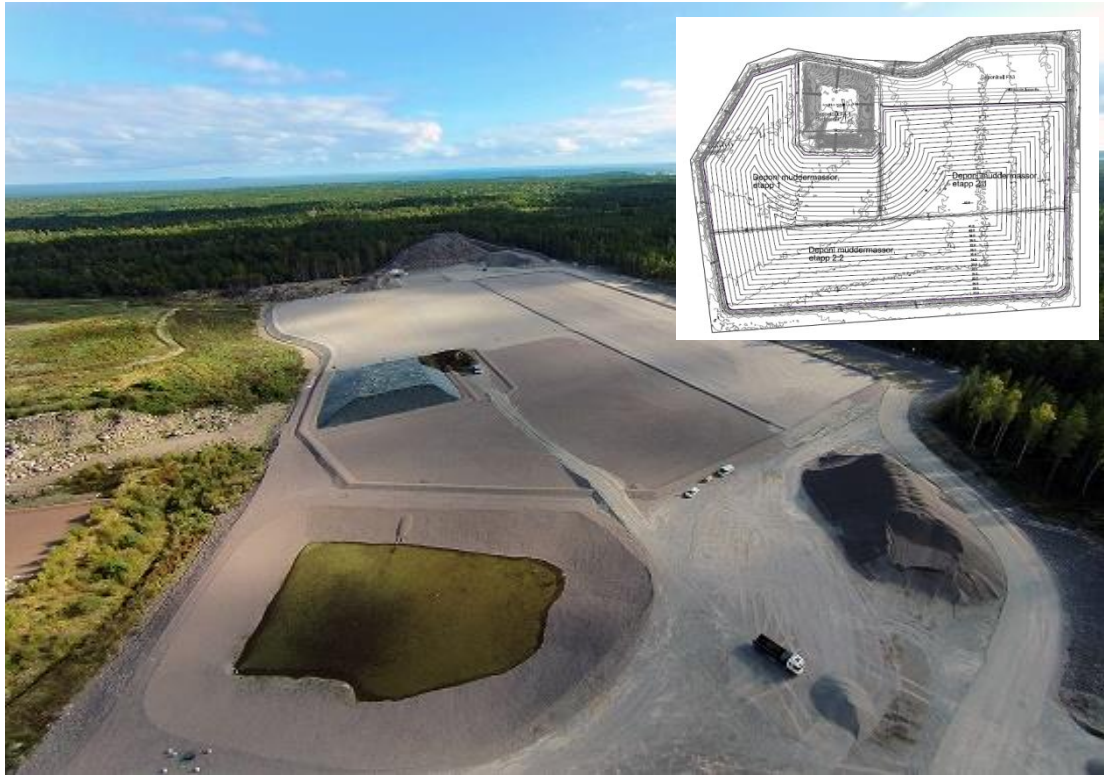
# REMEDIATION OSKARSHAMN HAMN



## Water treatment installation



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Engineering, construction & start-up

Jan – Sept 2016

Production

Oct 16

Closing

Nov 16



Start-up

March 17

**2017**

Production

April – October 2017

Closing

Nov 17

Start-up

March 18



Production

April – September 2018

Demob

Sept – Dec 2018

