



# Eko Harden Technologies Oy - Electrokinetic oxidation and dewatering of sediments in Töölö Bay



# The story and the success

- Research project in cooperation with the Finnish Environment Institute and the City of Helsinki
  - Funded by Eko Harden Technologies, Tekes, EU/Grace, Lamora Corporation
  - Supported by BSAG, Liplap Laituri, Helsinki Energy, Civiltech and Villa Kivi
- Research area of 100 m x 100 m
- 3 treatment replicate areas 15m x 15m x 2m EKOGRIDS
- 3 control replicate areas
- 5 samplings 0 cm – 30-40 cm (variation from Limnos sampler)
  - Before installation, after installation, after treatment, at the end of treatment
  - 3 sample replicates per area, 2 analysis replicates
- Expected results:
  - Removal of hydrocarbons, significant compaction of sediment and positive effects on phosphorus dynamics by the end of 2018



# Thank you!



## City of Helsinki

