A brief introduction to the Capital Region and our "Innovation Garage"

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Our mission
The task is big

Method development and prioritization is crucial
Cooperation on development

"The Region builds up its knowledge level in close cooperation with research institutions and the newest international experience and methods in our field."

From the Capital Region strategy on soil contamination

The Capital Region cooperates with:

• The other regions
• The Danish EPA
• Universities
• Consultants, contractors and manufacturers

⇒ Public Private Innovation
⇒ Commercialization
Innovation policy and perspectives

• **New:** New ideas to satisfy concrete needs…
• **Useful:** …that are developed and tested…
• **Utilised:** …and put to actual use

• The innovation potential is driven by e.g.:
  – New knowledge from research
  – Technological development
  – Challenges and demands in our own operations
  – Collaboration and inputs from external parties

• Perspectives for environment and green growth
  – Cheaper and more efficient task management
  – Buildup of knowledge and technology with the region and collaborators
  – Green growth – employment and export potential for our collaborators
The most common remediation methods
All have pros and cons

- Excavation
- Chemical oxidation/reduction
- Thermal
- Microbiology

Perhmanganate
Persulfdate
Fenton
Zero valent iron etc.
The idea behind the Innovation Garage

- Prioritized contaminated site
- Our own site - no site owner concerns
- Public/private partnering and development
- Ongoing projects, onsite working places, meeting facilities → knowledge exchange and inspiration
- Part of a larger test site network
No contamination leaves the site while we test
Some of our previous projects
Activated carbon in the floor
Under-drillings – ”The Nose”
Flux measurement device
Radio wave heating
Gas thermal remediation
Next - a tour of the site

- Meeting room
- EK-TAP
- Pump-and-treat facility with heat exchange
- Air purification using ozone