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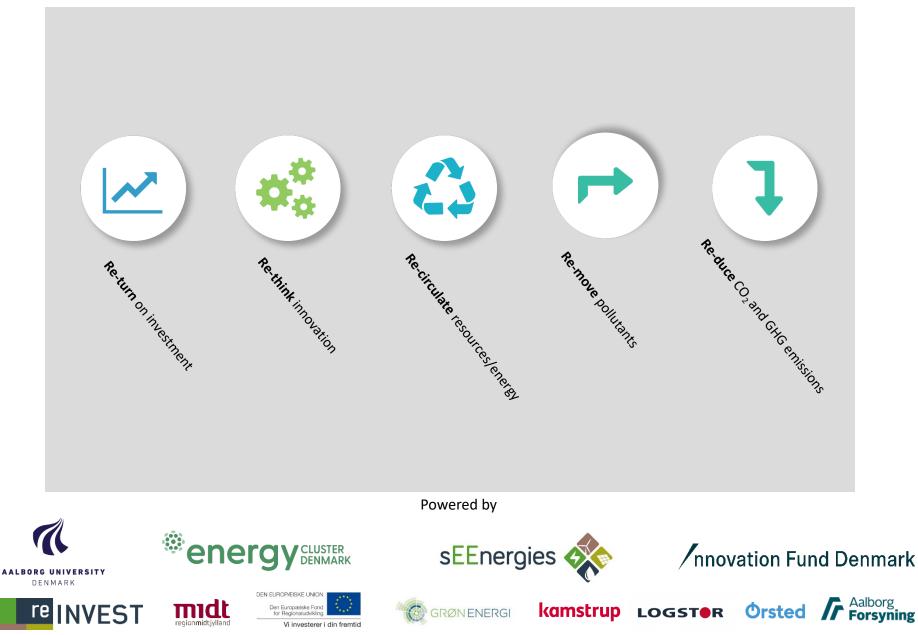




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sEEnergies

kamstrup

Yes, our planet is under pressure

Yes, we are running out of Phosphorus

But, our ancisters can be able to grow crops

Yes, we have environmental challenges

Vi investerer i din fremti

But, our groundwater can be protected

Yes, we have climate challenges

- But, CO₂ emissions can be reduced
- And, we can produce sustainable energy



Innovation Fund Denmark

LOGSTOR Orsted

Re-turn on Investment

- Rol is short, as we turn a problems into resources
 - Our solution turns biomasses into sustainable thermal energy for district heating or local process heat
 - Besides **sustainable energy,** our solution produces marketable **biochar** and **activated carbon**
 - Our solution eliminates disposal costs for biomass/sludge
- We handle all types of biomasses also the difficultto-handle fractions, like sewage sludge
- We solve a global problem consequently the whole World will be the marketplace





Re-think innovation

Our solution is better than our competitors offerings

The solution is developed together with the **best scientists**

The technology is **patented**

We own the software and all production drawings

Our solution is modulized and the production is outsourced

Upscaling of our business can happen very fast

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/i investerer i din fremti











Re-circulate resources, Energy

UN's Intergovernmental Panel on Climate Change (IPCC) states: "We need sustainable energy production".

IPCC recommends that we stop using fossil fuels

- We produce **thermal energy** from biomasses, and
- We produce **pyrolysis gases** from biomasses

IPCC recommends that we regain energy

- After a tar reforming process the pyrolysis gases from the biomasses can be used to produce **electricity** in gas engines
- Next step is to produce **biooil and jetfuel** from the pyrolysis gases









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Re-circulate resources, Nutrients

UN's IPCC states that we have to take CO₂ out of the atmosphere - if we want to solve the climate challenge

That's what we do when we store **BIOCHAR** in the soil

We are running short on the fertilizer Phosphorus and future generations cannot cultivate farmland efficiently

BIOCHAR is recirculated and contains plantavailable phosphorus

More farmland has to be established to supply food and feed to the future generations

BIOCHAR is a soilimprover which can be used for this

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Orsted

LOGST









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Re-move pollutants

Today we use environmental pollutants and heavy metals as fertilizer

- We eliminated all organic enviromental pollutants
 - Micro plastics
 - Medical residue
 - PAH, LAS +++
- We remove the heavy metals
 - Mercury
 - Arsenic
 - Cadmium



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Re-duce CO₂ and other greenhouse gasses

Implementing AquaGreen's technology

- Reduces emissions from farming with 50%, as manure is turned into biochar – instead of being stored for later direct use on farmland
- Eliminates emissions of CO₂, nutrious oxide (300 times more potent) and methane (30 times more potent), than CO₂.
- Enables **sustainable district heating** by pyrolyzing manure and straw **turning problems into resources**
- Avoids transport of wood pellets cross the Atlantic
- Reduces deforestation





AquaGreen's technology supports 11 out of UN's 17 SDG's



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