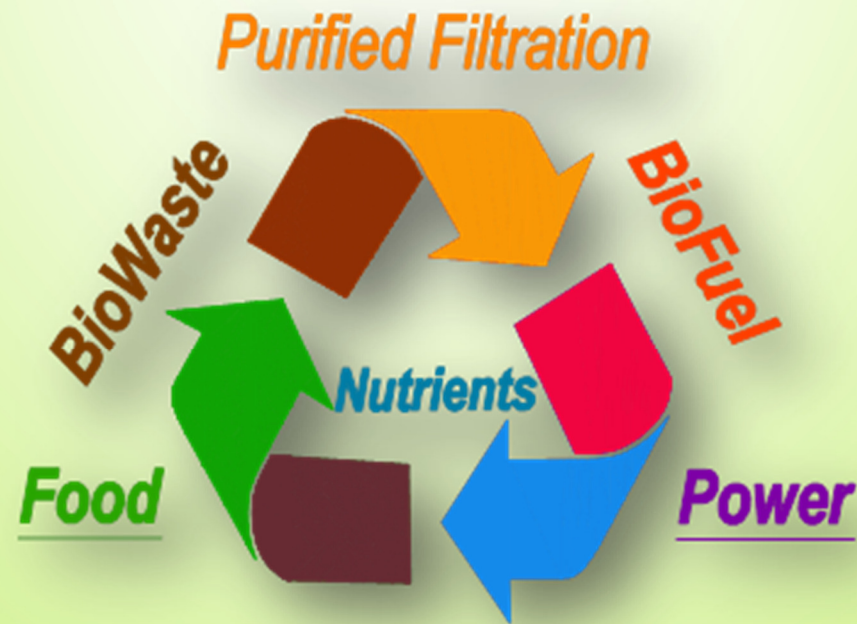


More People = More Food = More Waste!



Bio-Waste → Bio-Fuel

September 2019

PURFIL® ApS – Your Partner for Environmental Technologies

Blaabaervej 61, DK 5260 Odense S - pho: +45 4015 8777 – www.purfil.com

PurFil® ApS



Bio-Waste



Bio-Fuel



The **PURROT®**

WHY PurFil®!

PurFil® has a series of new separation **Modules** for **Liquid "Waste"**. The **PURROT® - PURUF® - PURRO® - PURNIT® - PURDRY®**.

- **Reduce "without chemicals" groundwater contamination and the CO₂-impact.**
- **Customers:**
 - **Livestock farms,**
 - **Waste Water Treatment Plants (WWTP) and**
 - **Green BioEnergy-producers.**
- **Ex: Our new PURROT® -module is EU-ETV-verified and PCT-protected: (Already granted in USA, China, Mexico and Europe).**

SOLUTIONS, PRODUCTS, SERVICE

1. **Non-Chemical Volume reduction.**
2. **Solve specified needs: (Capacity and impacts).**
 - **Unique "LEGO-modulation".**
3. **Purely Mechanical, fully automatic with service.**



PURDRY® pilot-module.



PURUF® treating **PURROT®** -Filtrate.



PURROT® at a pig farm with Manure.



Permeate and Retentate from **PURUF®**

WHY MANURE SEPARATION ?

Our new **PURROT**® -separator has (during the **EU-ETV**) proved, that it can:

**Reduce the land requirements
by more than 35%**

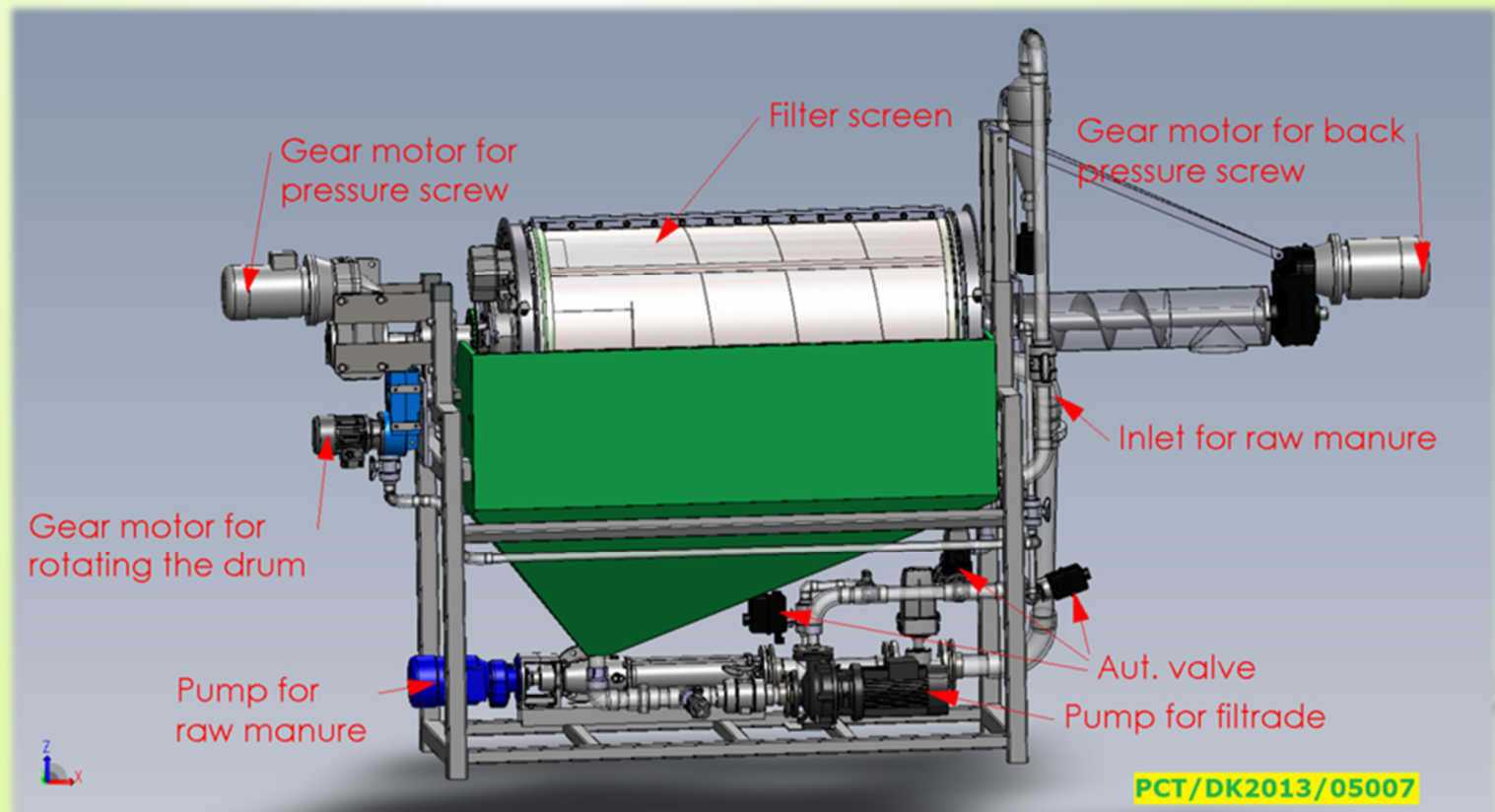
- 1. Reduce transport costs 80% - 95% since:**
 - **90 - 98 Vol-%** is "just" **Water**
- 2. Redistribute excess fertilizers:**
 - To **avoid contamination** of drinking water and rivers
- 3. Produce Bio-Fuel:**
 - To reduce the **CO₂-load** to the atmosphere

PURROT® WHAT IS IT ?

PurFil® ApS

THE **PURROT®** IS AN MECHANICAL SOLID-LIQUID SEPARATOR FOR MANY SORTS OF "WASTE WATER", CONTAINING A

1. Rotor Filter
2. Vib. Screen
3. Curve Sieve
4. Screw Press
5. Hydro cyclon



BioWaste --> PURROT® --> BioFuel

PurFil® ApS

Technological Institut DK can testify that **PURROT®** can:

1. Separate (**Primary** and **Biological sludge**) from **Public Waste Water** just as well as the known technologies: **“But without the use of chemicals”** like minerals and polymers”!



2. **Pre-treatment** before a **DAF**-installation can be

improved by **PURROT®**, since it can concentrate “bigger” solid particles and produce a concentrate for biogas plants with a **higher Dry Matter content, then any other technologies in the market.**

3. Using **PURROT®** at **Fish Farms**, it can **remove more than 90 % of the Phosphorus** in the WasteWater going back to the rivers.

This proves why PURROT® is the solution for a much better way to save and protect our environment!



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