



# BIO TECHNOLOGY FOR A BETTER ENVIRONMENT

## RESOURCE RECIRCULATION



### Engineering Bio Sustainable Solutions



[www.baccess.dk](http://www.baccess.dk) [www.rootzone.dk](http://www.rootzone.dk) [www.rootzoneafrica.com](http://www.rootzoneafrica.com)

Bio engineers: Construction Supervision Operation monitoring



## About us

BACESS A/S is a private Danish Bio engineering Company with more than 20 years of experience in Environmental Engineering. Together with Transform af 1994 ApS, BACESS A/S has set up over 1000 solid waste and wastewater management projects in 30 countries worldwide.

Our work areas are all based on natural processing, that means low costs, low energy and no chemicals needed. The systems are pragmatic by effects like recirculation, reuse and positive carbon credit.

## RESSOURCE RECIRCULATION TECHNOLOGY

The High Heat Composting technology is based on the principle of resource circulation and the process is biological, treats organic solid waste and effluents, generated from different sources, with the purpose of recovery, stabilization and volume reduction of waste material in form of compost.

The Technology is developed and tested in Denmark , Germany and Uganda. The main tests have been on garbage, sludge and crushed garden waste, supplied with raw phosphate and potassium for plant uptake.

The system is based on known technology such as crusher, mixer and conveyer. It is only the closed Bio container for compositing, that is developed with special features: steering system, blower, temperature and oxygen sensor. This is technology can be applied on the organic waste generated by the sectors below.

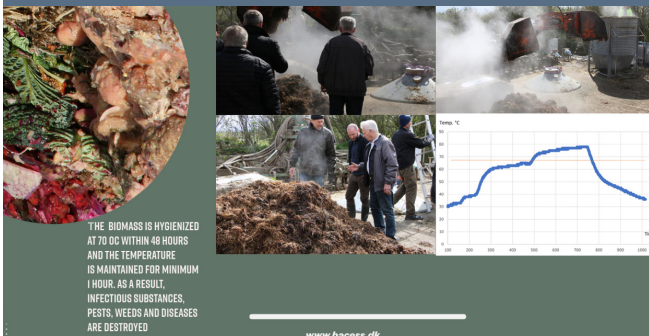


Dragør Sludge Composting Facility, Denmark.

## RESSOURCE RECIRCULATION TECHNOLOGY



- Waste is transferred to Bio-fertilizer in 5 -7 days.
- The biofertilizer produced can suppress the incidence of pests and plant diseases.
- Helps in reducing input expenses by replacing the cost of chemical fertilizers.
- Improves the soil structure by influencing the aggregation of the soil particles and help in better water retention.
- Enhances the availability of plant nutrients which helps in maintenance of the soil fertility over a long period of time.
- Stimulate plant growth through the synthesis of growth-promoting substances.



## Our services

Municipalities

Local food markets

Sewage & Sludge sector

Waste Management companies

Agriculture Food producers

Industrial Food and Beverage producers

Hotels and Resorts

Sewage and sludge sector

We examine every case on an individual basis to ensure that the best solution is implemented. A holistic approach is taken looking at the source of the pollution and ways to reduce the problem as well as cost effective re -use of the output.

We do:

- . Consulting
- . Feasibility studies
- . Lab and pilot scale
- . Engineering
- Construction
- . Operation and Maintenance
- . Project management
- . Aftersales support and training



# ORGANIC WASTE TO VALUE



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