

**We take responsibility
for a safe and comfortable
living environment for
today and tomorrow.**

**Royal Smals
value adding and cost-saving with
Baleen Rapid Dewatering System.**



BALEEN

RAPID DEWATERING SYSTEM

With geotextile containers the cost-saving process is signified. By dewatering the sludge, volumes can significantly be reduced by up to 50%. This innovative system is more efficient than all other classical sedimentations, and cheaper than mechanical dewatering processes.

Advantages of the innovative dredging and dewatering:

- High economic efficiency and fast dewatering through reduction of sludge volume and weight of up to 50%
- Ecologically significant due to by non-impairment of riparian and aquatic zones, due to minimal disturbance on the channelbed
- The system is closed, safe and healthy: no odor nuisance, no spread of contaminants and there is no contact with hazardous chemicals or contamination
- Very low levels of CO₂ and noise pollution are emitted, due to the minimal input of working plant

Baleen RDS is a complete package for innovative and economical dredging and dewatering of contaminated sludge.



Cost-savings are made by significantly reducing volumes, storage costs and transports costs with the use of Baleen RDS.



We turn problems into new value chains for our clients, for example converting sludge into raw construction material. With our specialised dredging and innovative dewatering capabilities, we can deliver smart solutions with great benefits, with our expertise from the beginning to the final process.

The Baleen RDS is a complex management system involving the use of a Cutter Suction Dredger, a Polymer Unit and Geotextile Dewatering Containers. Thus creating an innovative and mobile dewatering technology.

Smals provides 'Healthy and Safety' plans in accordance with VCA** standards. Furthermore a complete plan of implementation and execution will be prepared according to Smals' certified ISO 9001 and ISO 14001 - standards.

Baleen RDS is specially designed with the strictest rules and regulations, to protect the environment.



Taking care of all aspects for the most complex international work.



With Baleen RDS we present a significant added-value process. We can use the sediments in the ecological geotextile containers for new valuable constructions.

Experience combined with the latest technology, makes it possible for our company to inject polymers into the pipeline in the most economically efficient way. With its mobile and compact design our modern Polymer Units can be installed anywhere, even when electricity and fresh water are not readily available.

The unit is completely computerised and after turning dry powder into water based flocculants, the unit injects the fluid polymer in a very economical way into the dredged up mixture. No polymer will be wasted or over-dosed.

Baleen RDS converts sludge into valuable construction material, new embankments, soil improvements and landfill.



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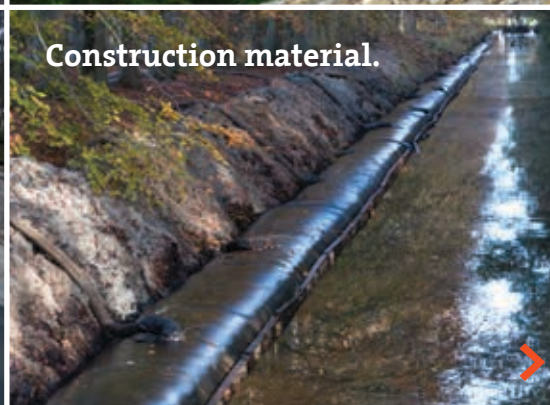
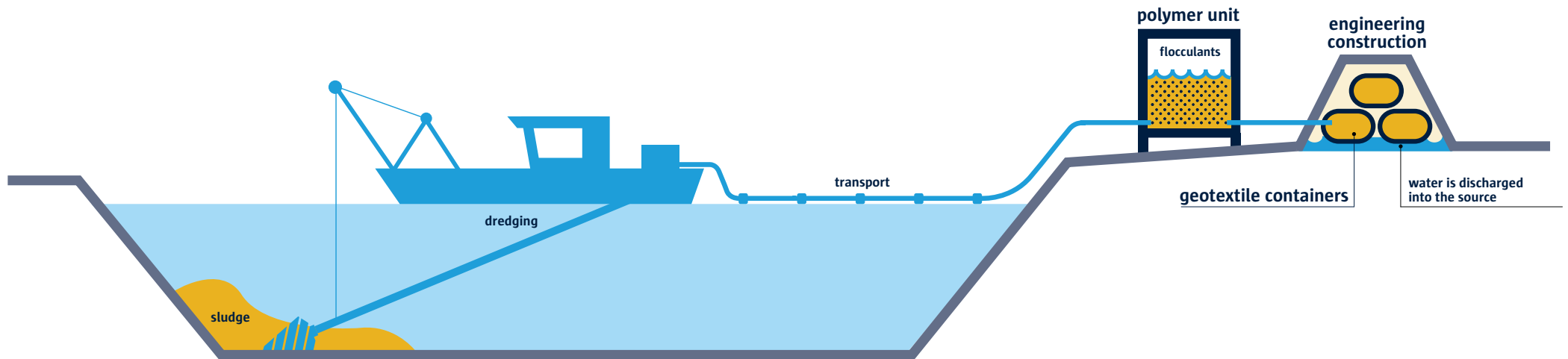
RAPID DEWATERING SYSTEM



A value-added benefit with Baleen RDS due to smart ecological use of sediments in geotextile containers.



- > Cost-saving process
- > Value adding process





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