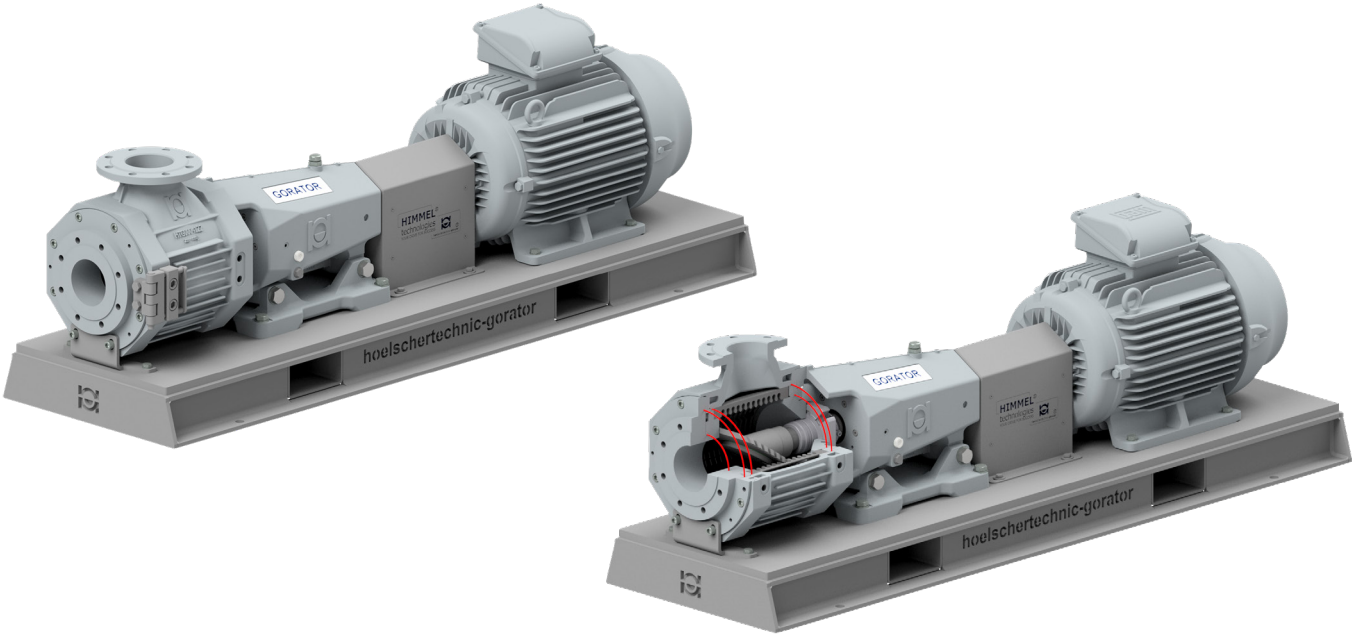
HIMMEL®
technologies
YOUR DRIVE FOR SUCCESS.

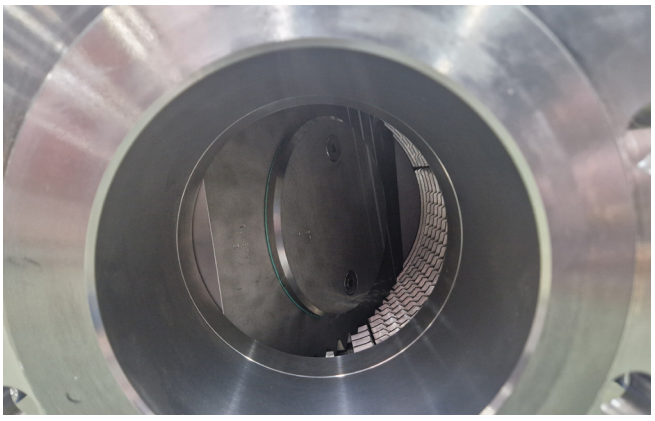
hoelschertechnic-gorator®

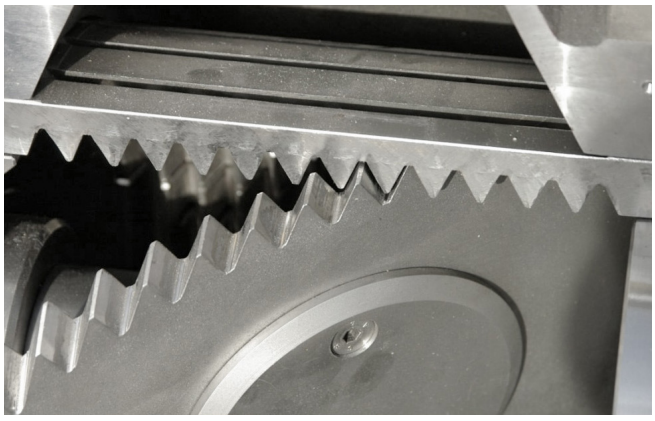
Efficient wet grinding with the GORATOR® from hoelschertechnic-gorator®

The basic principle of the GORATOR®



The GORATOR® is a powerful wet grinding machine that efficiently grinds solids in a liquid phase. Using a rotor-stator system, grinding, mixing and conveying are combined in a single process. This achieves maximum efficiency. The machine is versatile and suitable for processing neutral, chemically aggressive and corrosive materials.





Rotor-Stator-System

hoelschertechnic-gorator® GmbH & Co. KG

Venneweg 28 | 48712 Gescher
Deutschland | Germany

+49 2542 916 0

info@himmelinfo.de

www.himmelinfo.de

HIMMEL®
technologies
YOUR DRIVE FOR SUCCESS.

hoelschertechnic-gorator®

Processing macroalgae – The GORATOR® in operation

Example application: Oarweed Processing

An example of the efficiency of the GORATOR® is the pro¬cessing of oarweed (Laminariales family). The repeat batch system can process up to a tonne of pre-cut oarweed in under 2.5 hours. Each processing cycle takes around up to 30 minutes to process 200 kilograms of oarweed in 1000 liters of water.

The system comprises the addition of water and pre-cut oarweed from separate containers into a stirred recirculation tank. A powerful agitator ensures mixing of the suspended material. The suspension is then passed through the GORATOR®, where it is finely grinded and processed and pumped back into the stirred recirculation tank. This grinding cycle takes around 18 minutes.

Once the grinding process is complete, a pneumatic knife gate valves opens and the GORATOR® pumps the processed mixture into the storage container. This process ensures efficient and uniform processing.

The aim of the treatment is to achieve low-nitrate fertilization in British agriculture, as the special processing of the oarweed causes maximum release of nutrients. This means that agriculture can benefit from the natural advantages.

Watch our process video here!

hoelschertechnic-gorator® GmbH & Co. KG

Venneweg 28 | 48712 Gescher
Deutschland | Germany

+49 2542 916 0

info@himmelinfo.de

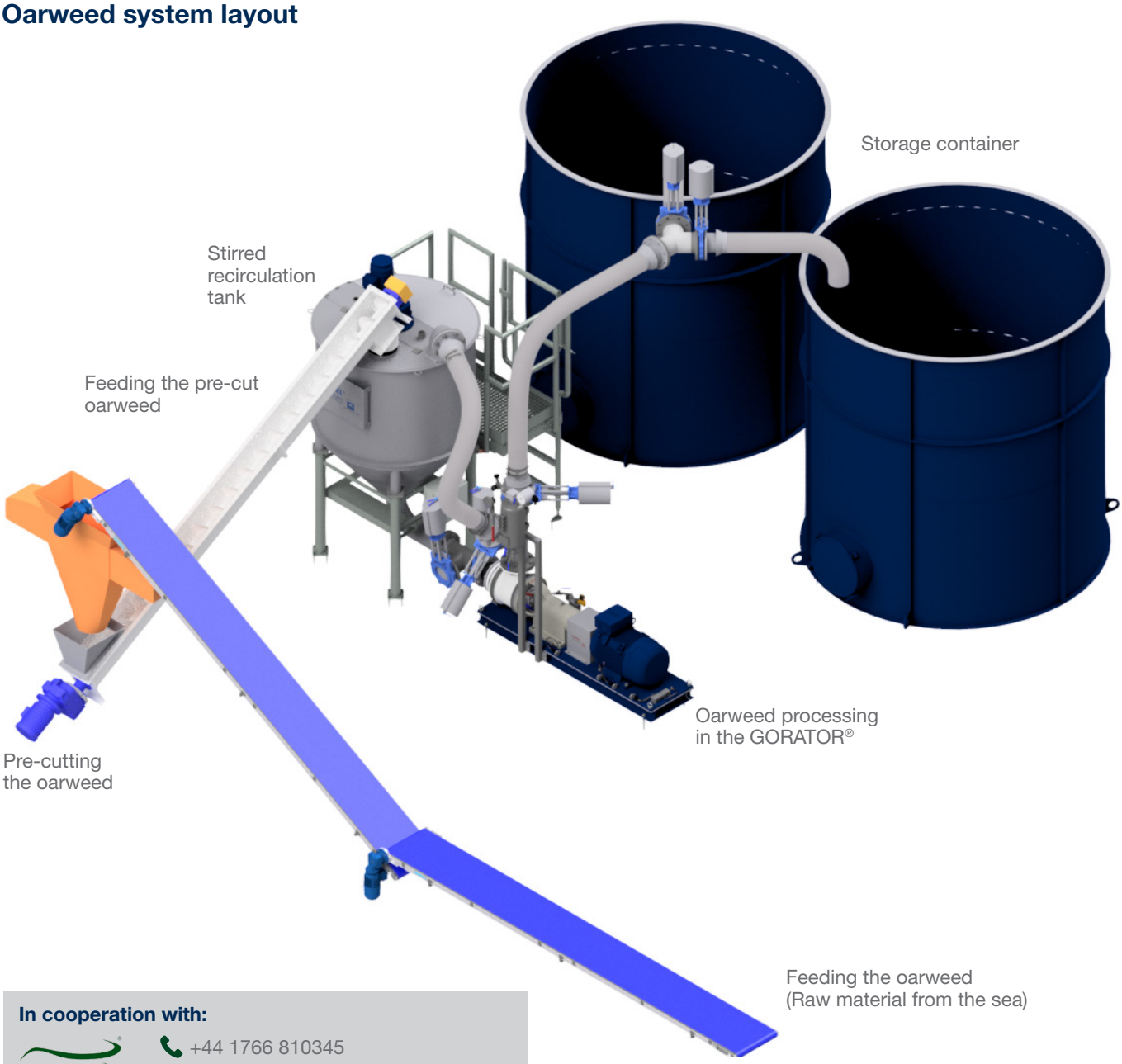
www.himmelinfo.de

HIMMEL®
technologies
YOUR DRIVE FOR SUCCESS.

hoelschertechnic-gorator®

Oarweed treatment with the GORATOR® from hoelschertechnic-gorator®

Oarweed system layout



In cooperation with:

Pennotec

+44 1766 810345
enquiries@pennotec.com
13 Gromlech Businesss Park, Y Ffôr, Pwllheli, Gwynedd, LL53 6US

hoelschertechnic-gorator® GmbH & Co. KG
Venneweg 28 | 48712 Gescher
Deutschland | Germany
+49 2542 916 0
info@himmelinfo.de
www.himmelinfo.de