

## FF Skagen Capacity Expansion

Customer case - January 2020



FF Skagen is one of the world's leading producers of fishmeal and fish oil. They develop, produce and market healthy products used as supplements of proteins and omega 3 fatty acids for animals and fish in aquaculture, agriculture and pet food worldwide.

FF Skagen A/S is owned by the FF Skagen Foundation, mainly held by fishermen and the fishing industry. Our factories are located at the ports of Skagen and Hanstholm – in direct extension of the raw material supply from a significant part of the pelagic fishing fleet. Here 130 employees transform approx. 500,000 tonnes of fresh fish into 170,000 tonnes of fishmeal and fish oil annually.

### FF Skagen

As well as being a specialised supplier of pumps for use in various industries, JS Proputec A/S is also involved in bigger turnkey projects where tight schedules apply. These include a project at FF Skagen.

Besides being a close partner with others involved in the project, JS Proputec A/S also supplied products to the new plant – many of which were specially designed specifically for this project.

The project contains: feeding screws to new raw material silos, feeding screws in new reception central, specially designed trough screws, specially designed concrete boxes to inlet and outlet, components for measuring rest volume and 8 lamella pumps in total.



#### A JS PROPOTEC TURN-KEY SOLUTION



FF Skagen saw a potential for further growth and needed a new tank plant. The desire was that this new plant would provide FF Skagen the much-desired capacity expansion, but also greater flexibility.

Thomas Rasmussen, Technical Director at FF Skagen says:

– Through a long-standing collaboration with JS Proputec A/S as our supplier of amongst other things lamella pumps, we

know they always deliver excellence, which was one of the main reasons why JS Proputec A/S was chosen as the supplier for the project.

The solution to FF Skagen wishes was a new raw material system, where the raw materials were to be transported from a pilot centre on the quay to the tanks via the JS Lamella Pump. From the tanks, the raw materials will then be delivered – via twin screws to several other lamella pumps, which will pump the material to the production facility.

Here FF Skagen can control the flow of raw materials individually from each tank via slide gates to the plant. This slide gate allows flexibility, since that can be closed at some tanks, while others continue. Hydraulic motors drive the double screws in the tanks.

The screws pull the fish into an output box (which is also provided by JS Proputec A/S) that will lead the fish into the lamella pump. The JS Lamella Pumps are provided with a hatch that allows cleaning. The project was underway for two years and during this time JS Proputec A/S has contributed with their expertise in building and planning meetings.

A content Thomas Rasmussen says:

– JS Proputec A/S has served as an excellent sparring partner through the whole process with their expertise in this area. They have delivered within the agreed timeframes, which is why we were glad that we chose them.

Contact us for further information in relation to the specific case - or if you have additional questions:

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