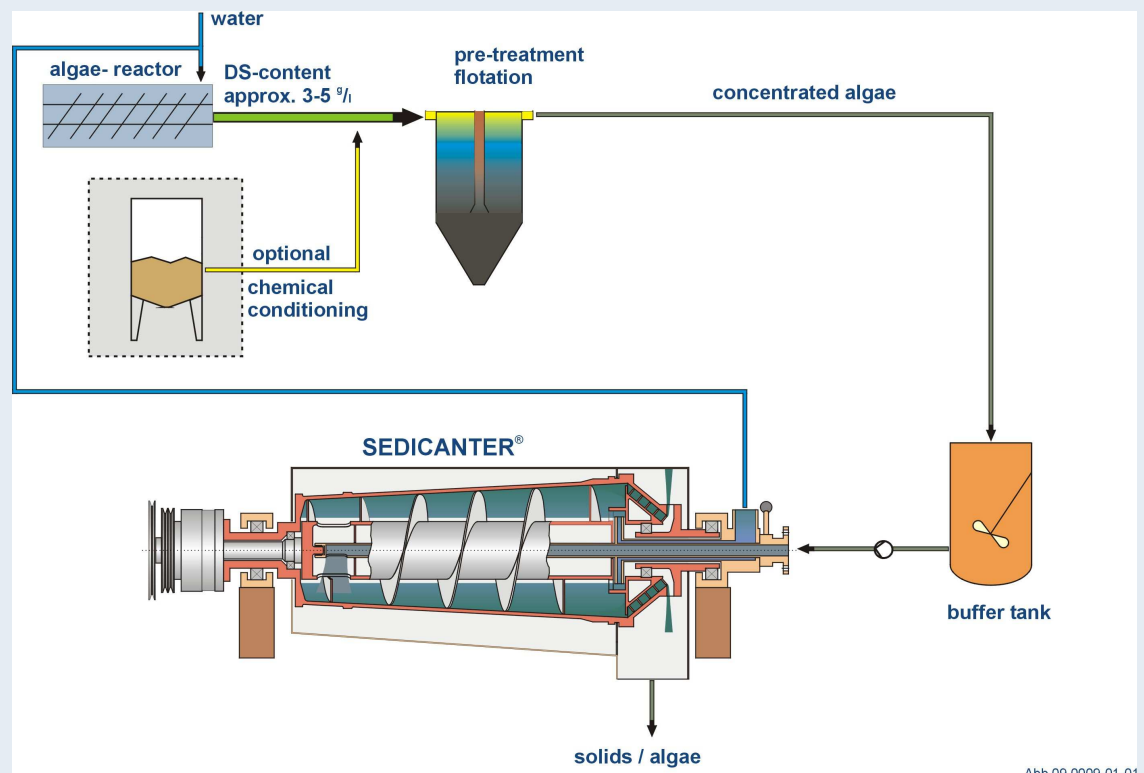


enalgy – highly efficient harvesting of algae

Flottweg offers you a highly innovative process in order to increase your profit of algae harvesting. During 2009 the new „enalgy“ process was developed in cooperation with

the company  / Netherlands and brought to the market.

enalgy – process



The algae suspension, which was separated from the fermenter via flotation and which was concentrated by a factor of 100, is thickened to 20 – 25 w/w % using the Flottweg Sedicanter. Only this special decanter is able to thicken the soft and fine algae cells efficiently after flotation. The centrate coming from the Sedicanter® is fed back to the fermenter.

Lower production and investment costs

Due to pre-concentration via flotation by a factor of 100, the Sedicanter® is used only for a relatively low hydraulic performance. Therefore, the centrifugal energy is exclusively used for thickening the algae suspension which was pre-concentrated via flotation. For all current plant sizes, only one Sedicanter® is necessary for thickening.

Higher product quality – considerably lower processing costs

Costs for further processing and drying are considerably reduced due to the high dry content of the algae concentrate. Each percent of higher dry content means less water for further treatment. As the volume to be processed decreases, purity and therefore the quality of the algae concentrate are considerably higher. It is possible to save a significant amount of money when



drying the algae subsequently – the machines for the new **enalgy** process will be amortized in the shortest possible time.

In any case, contact us before making decisions concerning harvesting of algae. It will be very beneficial to help you meet your goals.

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