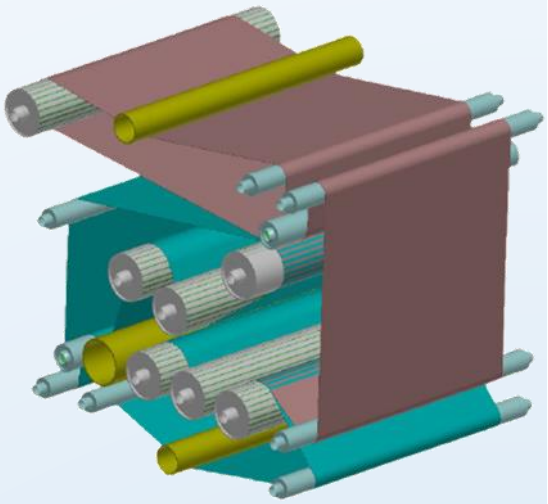
SLUDGE TREATMENT EQUiPMENT
+ DRAiN.PLUS SLUDGE DEWATERiNG EQUiPMENT



The main waste generated in a treatment plant is the sludge that is removed from mechanical, biological and chemical wastewater treatment processed. The amount of sludge depends on the type of treatment. Reducing the water content within the sludge is very important as it determines the sludge volume and therefore feasibility and costs of transportation and disposal.

Belt type sludge dewatering equipment are ideal for continuous and efficient dewatering of slurries from municipal and industrial wastewater treatment as well as water treatment plants.

DRAiN.PLuS Sludge Dewatering Equipment are designed for use in municipal, industrial or specialized applications where removal of a liquid (usually water) from a solid-liquid suspension/sludge is required. They are designed for low polymer consumption, high throughput rates and high cake solids content and is available in tough, corrosion resistant coatings in three different types.

+ DRN+T is a belt thickener used to increase the dry solid content of the slurries. Slurry is distributed onto the filter belt and transported towards the sludge discharge point on the slowly travelling filter belt. The sludge flocks are then settle on the moving filter belt and the water separated by flocculation is drained by gravity.

+ DRN+P is a belt filter press providing sludge dewatering by pressing the sludge to force the water through a permeable filter belt. Its operating principle is to condition the feed sludge with a poly-electrolyte and drain the flocculated sludge over an endless, horizontal porous filter belt. The sludge is then sandwiched by a second filter belt before further dewatering by a series of decreasing diameter rollers.

+ DRN+K is a combined unit consisting of a thickening table and filter press. The sludge is at first pre-thickened on the belt thickener prior to passing through the dewatering zones of the belt press.