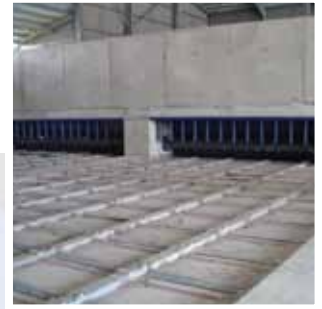
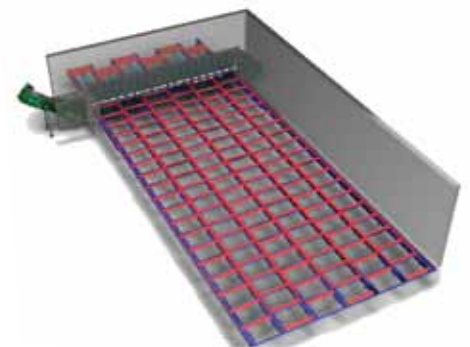


Fiddler's Ferry Power Station

Biomass Reception and Handling System



The two stockpile Push Floor discharge machines each hold 1000m³ of material. The stockpile is maintained at an average height of 4m using the mobile plant and the static stockpiles of material within the storage building. The material is pushed towards the discharge opening by the reciprocating action of the Push Floor and falls into the lower section of the Saxlund Scraper Chain Conveyor. The chain conveyor pulls the material towards the outlet and discharges onto a belt conveyor.



Fiddler's Ferry Power Station

Biomass Reception and Handling System

Here at Saxlund, we thrive on being at the forefront of the bulk solids handling and storage industry. Our dedicated team of professionals are constantly developing new machinery and components, to ensure we give you the customer the best quality possible and keep Saxlund the industry standard.

Over the last 50 years our group have had constant demand from companies worldwide. We offer a complete solution - bespoke design, construction, commissioning and comprehensive "after-sales" support.

Our specialist knowledge, with particular expertise in flat bottom silos and bunkers, can be applied to bulk materials and alternative energy solutions for industries including cement, bioenergy, wastewater and recycling.

Technical Data

Saxlund project ref. no.:	SUK 1036
Year of construction:	2004
Power Station Output:	2000 MWe
Material Specification:	Various biomass fuels
Material 1:	Olive residue, BD = 751 kg/m ³
Material 2:	Shae Nuts, BD = 618 kg/m ³
Material 3:	Palm kernels, BD = 655 kg/m ³
Specification	
Discharge rate:	25 - 200 m ³ /hr variable
Equipment	
2 x Push Floor Discharge Machine	
Type:	SB-280-12x1389x15080
Dimensions:	2 no. 2 x 6 ladder fields 8.3m (w) x 15m (l)
Average filling height:	4m
Storage capacity:	2 x 1000m ³
2 x Scraper Chain Conveyor	
Type:	TKF 1200 HBL
Dimensions:	1.2m (w) x 30m (l)
Inclination:	0 deg. / 37 deg.
Complete with transfer chutes to belt conveyors	
4 x Levelling Screw	
Type:	KA 450
Dimensions:	8.3m (l) x dia. 450mm

11 Freemantle Business Centre, Millbrook Road East, Southampton SO15 1JR

T: +44 (0) 23 80 63 63 30 F: +44 (0) 23 80 63 63 43

E: info@saxlund.co.uk www.saxlund.co.uk