Customer Case

Simon Moos Maskinfabrik a|s

ADC (Eastanglia) Ltd.

AVC / DOD

Customer profile

ADC (East Anglia) Ltd. is based with their head office near Wisbech in the UK. ADC provide specialist drainage services to customers such as the Environment Agency throughout the whole of East Anglia and the South East. ADC's solutions are possible with dedicated experienced management, expert consultants and some of the very latest equipment. Their track record is obvious from the desirable customer base which includes: The Environmental Agency, Norfolk, Cambridgeshire and Essex County Councils, Cambridge University and many renowned civil engineers and construction companies.

Challenge : Dewatering 250 meter fenland dyke with limited access - unable to be cleaned by conventional means!

ADC were contacted by Technical Engineer Ian Watts from Black Sluice Internal Drainage Board and asked to de-sludge a 250 meter section of fenland Dyke with limited access - which was unable to be cleaned by conventional means. Michael Reeve and Steve Paige, the directors of ADC, contacted Simon Moos Maskinfabrik A/S to come up with a solution to the problem. Simon Moos Maskinfabrik A/S has tackled this and similar dewatering challenges many times before and this specific interesting dewatering challenge - is the reason why ADC heavily invested in the AVC/DOD dewatering equipment from Simon Moos Maskinfabrik A/S. **Turn to read more..**

Key facts

Company
ADC (Eastanglia) Ltd.

Location
Bonnets Lane, PE188JE Wisbech
England

Web
www.adceastanglia.co.uk

Simon Moos solution
AVC/DOD - On-site dewatering

" We are committed in the search for new technology and innovations. These searches have led us to many different places throughout Europe. Our latest addition comes from Denmark in the form of mobile silt/sludge dewatering units manufactured by Simon Moos Maskinfabrik A/S, a company who has been working in the effluent/sludge dewatering sector for many years and have developed efficient system's in polymer induced dewatering. Simon Moos Maskinfabrik A/S worked closely with us getting this project started sharing their expertise with us".

Mike Reeve, General Operations Director, ADC

Customer Case

Simon Moos Maskinfabrik a|s

ADC (Eastanglia) Ltd.

AVC/DOD

Solution : Dewatering the Fenland dyke with the AVC/DOD on-site sludge dewatering system.

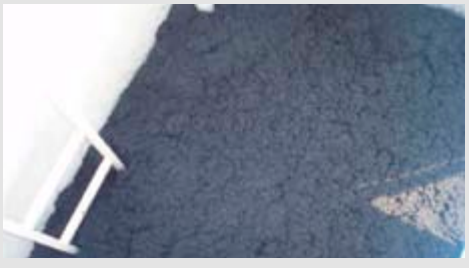
Both ends of the Dyke section were dammed and the water over pumped to reveal the sludge and debris below. Two conventional jet-vacs were used to remove the wet sludge and a team of men were placed in the dyke to work the suction hose. Once a jet-vac was filled the sludge was transferred via the **DOD** polymer make up and dosing unit which causes the separation between the solid and water fractions on-route to the **AVC** roll-on-off dewatering container where the dewatered solids form a dry cake. The water fraction or permeate is then allowed to return to the water course behind the gang working the wet sludge which is then re-used to assist the transit of the sludge to the jet-vacs. Once the dewatering process has finished the cake is then transported for disposal and the process is then repeated.

Working the wet sludge.

Transferring the sludge via the **DOD** to the **AVC** dewatering container.

The **AVC** Dewatering container.

The cleansed water from the **AVC** being returned.



The dewatered sludge forming a cake in the **AVC**.

A dewatered load in the **AVC** ready for transporting.

Product facts

The AVC (dewatering container) and the DOD (polymer and dosing unit) is a system characterized by:

- Large volume reduction
  - typical > 90 %.
- High dry matter percentage in dewatered sludge
  - normally > 15 %.
- High COD and BOD_5 reduction
  - up to 95%.
- A mobile system with large draining capacity.
- A well-tested system with 30 years development experience.
- A system where you due to volume reduction obtain an attractive total economy as a result of reduced wages, fuel and depositing costs.

"AVC/DOD is the solution to the difficulties of efficient wet waste disposal. By dewatering river, culvert silt/ sludge's by this method we are able to reduce the amount of waste removed by between 75% to 95% depending on the materiel that we are treating. This not only brings cost savings to our clients but also vastly improves any environmental impact with massive reductions in material going to landfill!

Mike Reeve, General Operations Director, ADC