

SCREW HYDRO GENERATION.

Spaans Babcock is a world leader in Archimedean screw manufacture with a reputation second to none. Having supplied and serviced Screws to the UK for over 40 years Spaans Babcock are ideally suited to supply, install and commission Screw Generators for Hydro Power Projects. Spaans Babcock can deliver a complete turnkey solution commencing with a feasibility study all the way through to a full service contract on completion of installation. We don't consider any job to small or too large with sizes from 1 → 315kW+

Produced in the Netherlands for over 100 years the Archimedean screws are manufactured to very high standards from quality materials (ISO 9001) with fully Certified Coded welders and weld procedures. Our UK staff including contracts managers, site installation & service engineers have over 100 years of direct Archimedean Screw experience between them.

With a total project payback period within 6 years in some cases, we offer a high quality long lifetime product at very competitive rates.

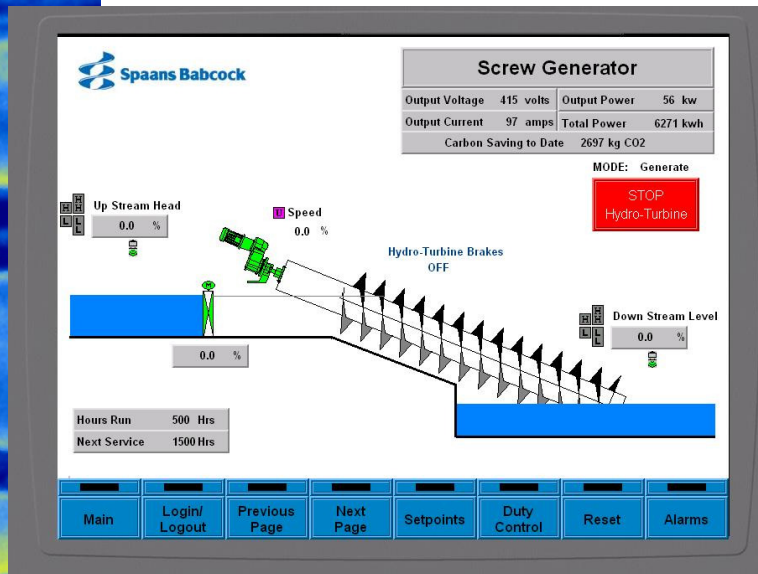


Spaans Babcock Ltd



180kW Screw generator in two stage configuration

Utilising our own specialist plant including our own Crane, Robotic machines and equipment we can offer very competitive solutions from "Supply Only" to full "Turn Key Solutions" including Civil works, Electrical Installation and Control for all sizes of Screw Hydro sites. We can offer a 24 hour callout service. We carry extensive stocks of standard spares at our facilities which are centrally located in the UK.



Local Operator Interface (LOI) panel for easy setup

Our bespoke Local Operator Interface (LOI) offers the user a multitude of options for control via a simple to use touch screen. It has visual indications and alarms, control with auto / manual selection, current running data, carbon saved, water levels etc. The system can also offer the facility for data logging, remote monitoring/operating. A web based programme will then be supplied to monitor and operate your generator even if you're on the other side of the world.

Our own in house SHE officer covers the requirements of working to the UKs stringent Health Safety & Environmental requirements with all site staff trained to high levels for Site Safety, including Confined Space Working, CSCS Certified, Slinger Banksmen etc we also have several Crane Lift Appointed persons for planning of lifting operations in house. Our company is UVDB registered and Achilles certified – a requirement for most reputable UK companies.



Off loading of an Archimedean screw



Fabrication of a large screw

We have specially designed environmentally friendly bearings along with a submersible drive train arrangement for coping with flood conditions that can exist on many rivers. Using an epoxy coating developed for offshore applications factory applied in our own works we can provide equipment protected against corrosion and wear for very arduous duties. We have reference lists detailing thousands of screws supplied world wide many of which are over 30 years old, some older than 40 years and still in use today.