



Power Plant Showcase

Hawker Siddeley Group is at the 1989 Power Plant exhibition in Birmingham, UK. This massive power showcase features ten Group Companies.

The combined expertise of ten Hawker Siddeley companies in electrical power engineering is being displayed at the Power plant UK '89 exhibition at the National Exhibition Centre in Birmingham. Billed as the largest, most comprehensive exhibition of new power technology ever staged, this CEBG-sponsored event is an international showcase for the industry in general and for Hawker Siddeley companies in particular.

Hawker Siddeley holds a unique pedigree within the power industry. The Group includes a number of companies which helped create the industry from its birth. In recent times its diverse international work has allowed it to gain a breadth of practical experience denied to most.

Among the exhibitors on the Group exhibition stand, Hawker Siddeley Power Engineering can boast more than 25 years of experience in the design and construction of turnkey power generation, transmission and distribution schemes throughout the world. Using products and equipment supplied by other Group companies, HSPE built one of the largest gas turbine-powered power stations in the world, in Dubai in the Middle East. Armed with the experience gained from the project, the company designed and built combined cycle and cogeneration power stations for a number of private users in the USA, following the birth of private power in that country. It has now been able to offer this same capability for designing, funding, building and commissioning major projects to both the Central Electricity Generating Board and to area electricity boards as well as private users in the UK.

Today, Hawker Siddeley Power Engineering and its sister company in Houston, Texas have completed a total of five power plants with another six contracted in the USA, with others planned or

currently under development in both the USA and the UK. Projects are also in hand in countries including Australia, Pakistan, Sri Lanka, the Middle East, the People's Republic of China, Turkey and the British Virgin Islands. Although the 'green', clean and efficient gas turbine-powered power plants have received a great deal of attention, they are by no means the only string to the Group's bow. Hawker Siddeley companies are involved in every conceivable form of electrical power generation, from the 'alternative', renewable-energy wind, wave and solar schemes, to the more conventional hydro and fossil-fuelled stations. Not only does Mirrlees Blackstone supply diesel power stations for base load applications from New Guinea to the Isle of Man, it has also supplied standby generating plant for every nuclear power station in the UK. Electrical and electronic instrumentation is used in power station control rooms from the Outer Hebrides to the Hoover Dam and national transmission networks are controlled by computer-based equipment developed and supplied by Westinghouse Systems.

The call for increased efficiency in the transmission networks is being met by new overhead power lines, switchgear, transformers, tapchangers and special-purpose fusegear, all manufactured and supplied by Hawker Siddeley companies. Alternators from Brush Electrical Machines can be driven by almost any type of prime-mover to supply bulk power while further down the power scale Hawker Siddeley Power Plant provides transportable and standby power generation equipment. If all else fails and the lights really do have to go out at a major power generating station, banks of ultra-reliable lead acid batteries from Tungstone Batteries make certain that the systems can be shut down with total safety every time.

Pulrose Power Station, Isle of Man puts its expansion plans into action