

Modern technology comes to the Royal Mile

THE SITUATION

The 4-acre Holyrood site incorporates buildings to house the Scottish Parliament debating chamber, committee rooms and office accommodation for 105 Members of the Scottish Parliament (MSPs) and staff, as well as media suites, visitor information facilities, ancillary staff buildings and catering facilities. The Building User Brief for Holyrood stipulated that, wherever possible, the new building should feature the integration of energy-efficient and environmentally conscious design principles. The objective was to provide an economical construction that also resulted in benefits for the users, ensuring a high-quality internal environment with low maintenance costs and low energy consumption.

THE GRUNDFOS SOLUTION

The entire Holyrood development was designed to make best use of the existing infrastructure and to involve as little environmental strain as possible. The designated criteria included indoor air quality must ensure a healthy working environmental products are chosen with regard to their environmental impact energy must be used efficiently to minimise harmful products water must be used economically, minimised and recycled. Grundfos played a pivotal role in achieving this in all aspects relating to the pump and pumping supply, ensuring all the stringent environmental criteria were met. The solutions provided were also quite simply the best products available in terms of their individual functions. Working closely with all the relevant parties, Grundfos Pumps Ltd played a project management role at all the many stages of construction to ensure the timely supply of information, quotations and technical assistance, as well as product deliveries and commissioning.

THE OUTCOME

TOPIC:

Environmentally responsible solutions - Pumps for a wide range of different uses. - Ongoing project support and technical back-up. - A solution that not only met, but also exceeded the brief.

LOCATION:

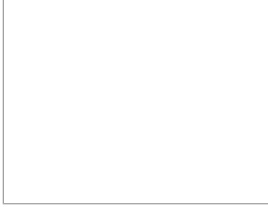
The 4-acre Holyrood site

COMPANY:

Grundfos Pumps Ltd

The work was undertaken in several phases extending over the period 1999–2004. Grundfos supplied a total of 44 pumps – many of them electronically controlled – along with 5 variable-speed booster sets and 5 pressurisation sets for this landmark complex. This was one of the first building projects for which Grundfos supplied MAGNA pumps. By incorporating variable-speed pumps that provide users with reductions of up to 70% in energy costs, the project has become an example for future developments to follow.

Related Products



MAGNA/UPE CIRCULATOR PUMP - HEATING, COOLING, HOT WATER

Small, medium and large circulator pumps fitted with communication equipment and electronically speed-controlled motor



UPS CIRCULATOR PUMP - HEATING, COOLING, HOT WATER

A complete range of 3-speed UPS circulator pumps, available both in 50 and 60 Hz.