



crafting an ico

Sitting upon reclaimed dockland alongside Cardiff Bay, The Wales Millennium Centre is a work of art in itself, designed not only to showcase artistic talent but to celebrate a nation, its landscape, its traditions and its people.

Gillespie's early input was invaluable

forward. From the very beginning,

in helping to determine a way

Gillespie was highly proactive,

developing prototype profiles to

manufacturing and support, and

John Shovlin, Commercial Manager,

Sir Robert McAlpine, main contractors

other trades.

assist with evaluating the options for

subsequently coordinating input from

As befits a national icon, the construction of the building is as much a part of the attraction of the venue as the performances. A highly complex design built in just 33 months, the project called for close collaboration by a multidisciplined team.

out over the main entrance to form a feature of the structure. Cut through the stainless steel cladding is a monumental inscription in the Roman and Celtic traditions, providing natural light to the interior by day and illumination to the exterior by night in sharp contrast to the stainless steel background. The inscription reads: 'In these stones horizons sing' in English, and in Welsh: "Creating truth like glass from inspiration's furnace".

Thomas sought a precise finish for the

The front of the theatre shell, which leans curved elevation, is a particularly impressive

The concept architects Capita Percy

letters to create the desired effect. This presented a unique construction challenge. Initial proposals for forming the fifty four, 3.6m high letters were difficult to achieve and prohibitively expensive, threatening to compromise the grandeur of the architect's original designs.

With a reputation for problem solving, Gillespie were able to produce a variety of design mock-ups and prototypes to resolve this serious design issue at a significantly reduced cost, enabling the architect's original concept to be saved.

The design solution led to a valueengineered combination of glass reinforced polyester (GRP) and Zerodec, Gillespie's patented laminated glass reinforced gypsum (GRG) product. The exterior lettering was precision manufactured by Gillespie and clad in bronzed stainless steel, with the interior lettering created in natural gypsum, as sought by the architect. Gillespie also engineered a range of other interior features in Zerodec laminated GRG, including circular columns with raised mouldings, finished with a special pigment to resemble fossilised trees, commonly found underground in Welsh mines.

The Wales Millennium Centre is a landmark development, as much a showcase for technical expertise in construction as new talent, demonstrating what can be achieved through collaborative working.



