

The Queen to open new courthouse for Liverpool

HER Majesty The Queen will be opening the new courthouse for Liverpool on Wednesday, 2nd May.

This is the largest single crown court building outside London and was handed over by the Property Services Agency in January to the Lord Chancellor's Department.

Its 28 court rooms provide in one building all the requirements for High, Crown and County Courts in the area, and form the largest courthouse unit in the Lord Chancellor's building programme.

It was designed by architects, Farmer and Dark, working

closely with the PSA. Mechanical and electrical consultants were J. Roger Preston and Partners and the quantity surveyors were G. D. Walford and Partners.

Pink concrete

The ten-storey building is 90 metres long and 40 metres deep. It is finished in pink concrete panels and block work which harmonise with the traditional sandstone and brick of the city.

Interspersed amongst the panels are areas of glazed tile and solar-glazed double windows finished in brown polyester powder.

The court entrance on the main facade is surmounted by

a sculptured coat of arms designed by Richard Kinderley.

The main contractors were Tyson (Contractors) plc, and Haden Young Liverpool carried out the mechanical services contract which was worth approximately £7 million.

Their work included air conditioning of the building with low velocity systems in the court rooms. Background heating when the building is empty is provided by the hot water systems.

There are 11 major plant rooms in the building with a total of 40 air handling units and three Borg Warner 500-ton capacity chiller units to handle



Liverpool's new courthouse

side. However, when Sid transferred to Heysham in 1980,

Design

The project presented many

Prince Charles Opens Dinorwig Power Station

HRH PRINCE CHARLES officially opened the Central Electricity Generating Board's £425m hydro-electric power station at Dinorwig on May 9, and he must have marvelled at one of Britain's most impressive engineering feats.

Haden Young North West Region designed and installed the heating, ventilating and plumbing systems.

Dinorwig nestles inside Eildir mountain, within only a stone's throw of Llanberis Pass, in Snowdonia, in Wales. Few visitors would realise that the largest power station of its type in Europe exists within that mountain. The surface works have been carefully designed to blend with the beauty of the surrounding Snowdonia National Park.

Owned by the CEB, the station provides a generating

Marchlyn Mawr, to power its turbine generators.

Up to 6-72 million cubic metres of water flows from this reservoir, which is situated some 633 metres above sea level. On its way down, the water passes through tunnels and shafts within the mountain at a maximum rate of 420 cubic metres per second.

During the generation phase, the water is collected in a lower lake, Lyn Peris, and

demand is low, ready for re-use the following day.

Three million tonnes of rock have been excavated to create a complex of caverns, shafts and tunnels (some of which are wide enough to take two double-decker buses), and at Marchlyn Mawr a retaining dam was built to enlarge the lake.

Haden Young first started work in 1977 on a contract which was eventually worth nearly £3m, to heat and ventilate the underground caverns, switch rooms, and bus-bar galleries. Malcolm Cameron was the project manager, and remained with the job until late 1981 when he transferred to Heysham Power Station. Neil Davis is still at Dinorwig as



£37 Million Order for Haden Young



Terry Espin—general manager of Haden Young Watford.

HADEN Young's London Region has been awarded an order worth £37 million by the Property Services Agency. It covers the full mechanical and electrical services package for a PSA project at Aldermaston in Berkshire. Haden Young's responsibility also includes associated building work in excess of £5 million.

Tony Trinick has been appointed project director. He has already handed over the reins of Haden Young's contract at Torness Power Station to his successor, John Griffin, and has started to mobilise his project team for Aldermaston ready for transfer to site later this month. Terry Espin, general manager of Haden Young Watford,

where the tender was prepared, says: "This is the largest order ever placed by the Property Services Agency for mechanical and electrical services. We are delighted by our success in winning the contract. It is a just reward for the excellent work put in by everyone involved with the preparation of the tender."



Project director — Tony Trinick

Welcome to Philip Ling

The Group's

HONG KONG VENTURE

BY AGREEMENT with the Swire Group, Haden has formed a new joint venture company in Hong Kong which will be known as Swire Haden Limited.

Owned 50-50 by Swire and Haden, it is a merger of Haden International (Hong Kong) Limited with the Hong Kong-based contracting activities of Swire Engineering Limited.



Hong Kong from the water.

The objective is to combine into a joint venture the main strengths of Haden International, which are large project management and design capabilities, plus mechanical and electrical engineering, with Swire

Haden International will continue to provide technical and support services from London, and to second staff to the joint venture.

Negotiations began in October during the visit of the

were finalised in February by Mark Lowth, group secretary.

The chairman of the joint venture company will be Tim Allmand-Smith, a director of Swire, with John Dickinson of Haden International as general manager.

Peter Simonis says: 'We believe that in forming this partnership, we will have a much larger and stronger company to offer to the market place. In addition, both Haden and Swire are renowned trading companies in Hong Kong and have long-standing connections with Hong Kong and the mainland of China.'

One of the main catalysts, from the point of view of both parties, is the opening up of trade with the mainland of China and the increased market opportunities that this will offer, following the recent



Mark Lowth who finalised the negotiations.

Swire has experience of trade with China going back many years, and Haden, through the Haden Drysys division, has acquired an understanding of contract negotiations and methods of working through its sales of paint lines to the Chinese automotive industry.

The parent company of Swire Engineering, Haden International's partner in the venture, is Swire Pacific Limited, a publicly quoted Hong Kong com-

AUGUST, 1986

Haden

INSIDE

No. 61

THE NEWSPAPER OF THE HADEN GROUP OF COMPANIES

BICC PURCHASES HADEN BUILDING SERVICES DIVISION

MONDAY, 4th August, saw announcements by Haden Group plc and BICC plc, the major British cables and construction group, of the completion of negotiations for the sale to BICC of the Haden Building Services Division.

Continued on page 4



CARRIER Ross Engineering is still busy winning contracts.

See page 2

It's all happening in Hong Kong

THE second part of the Focus article which highlights four of the largest projects currently being undertaken by Swire-Haden.



Commissioning engineer — Billy Mulvahill.

Pages 6 and 7

Long service in

Haden

Haden Young

Issue 4

June 1987

Insite

£6 MILLION ORDER FOR LONDON D&E



Already rising on a site adjacent to the new self-contained. The VAV systems will use Carrier being provided, however, since raised access floors are

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Issue 5

September 1987

Insite



New Malden's New Superstore



Rapidly catching up with the acknowledged market leaders, Tesco are adding lustre to their changed image with the opening in August of their 6000m² superstore at New Malden, Surrey. Occupying a prime 10.2 acre site just off the A3 Kingston By-Pass, the store includes a bakery,

Situated as it is between the Hogmill river and Beverley Brook, New Malden has a potential storm-water flooding problem, and the development incorporated civil works to alleviate the threat. City Branch installed comprehensive HVAC services throughout the complex to designs prepared by ACDD.

heat/smoke detectors located above the ceiling grilles. New Malden is only one of the stores figuring in Tesco's current expansion surge, which will add well over a million square feet to their sales space. Concurrently, Bristol branch were working on a new store at Truro, installing mechanical services, again designed by ACDD with a value of more than £240,000.

Haden

Issue 6

December 1987

Insite

London's Airports

Like the four principal ones in Scotland, the three airports serving London and the South East are vested in BAA plc, and each is operated by a separate subsidiary company. The Chairman & Managing Director of Gatwick Airport Limited, Guy Bell, proudly announced in July this year that Gatwick had relegated New York's JFK to third position in the league table for international travellers, clocking up 15.86 million (out of a total of 16.92 million passengers) in the twelve months to April 87, or one passenger every 2 seconds! On 26th July alone, Gatwick handled 89 000 passengers – that's more than 1 per second.

Many of you will have used Gatwick, for business flights or packaged holidays, and will be familiar with the current passenger arrangements. From the original building, now known as the South Terminal, three different modes of passenger distribution may be operated: you may have to walk along one of the piers direct to your aircraft, or take a short train ride to the circular Satellite Building (where incoming passengers are not segregated from outgoing), or – because the number of 'gates' is insufficient to handle all aircraft arrivals – you may have to board a coach.

When the new North Terminal opens in Spring 1988, it will increase Gatwick's present nominal capacity from 16 million to 25 million passengers per year. The two terminals are linked by a second Westinghouse rapid transit system, whose silver 3-car trains carrying up to 180 passengers and their baggage cover the 1.2km distance in two minutes. This link is on the landside, so you can ride the train without a boarding pass – and you'll get an



melamine-faced panels, conceal the sinews and arteries – the chilled water- and MTHW pipework serving the 54 air handling units, including individual plant for the passenger lounge at each 'gate'. And the 'nerve system' – for

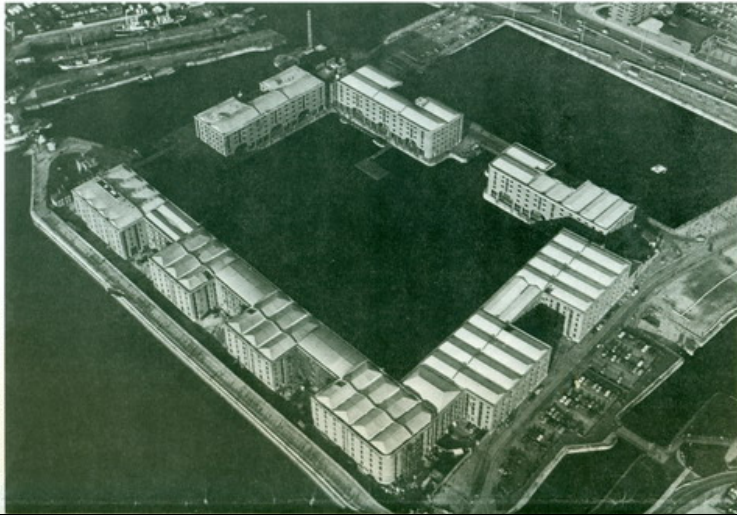
view, but not so obvious is the underground road passing beneath the buildings for delivery of goods – remember all the refreshments the passengers consume, not to mention the "duty frees" we all persist in adding to our luggage!

The Bequest of Mr Cube

Towards the end of an eventful life in which he had made a fortune from sugar refining in Liverpool and London, philanthropist Henry Tate, who had already founded and endowed the Liverpool University Library, offered to the nation the paintings and sculpture he had collected. He made one stipulation – that the government should provide a site for the gallery (which he would finance) to house it. So, on the site of the Millbank Prison which was demolished in 1893, there arose a fine new building designed by Sidney JR Smith, which in 1897 opened its doors as the National Gallery of British Art.

At its opening, the building housed not only the 67 paintings and three sculptures from Henry Tate's Streatham home (of which perhaps the most important, artistically, was Millais' 'Ophelia'), but also purchases made by the Chantrey Bequest, eighteen paintings donated by GF Watts, and a collection of 96 by British artists born after 1790. Less than twenty years later, a bequest of important French 19th century works by Hugh Lane changed the exclusively British content of the collection, which has since grown to include some of the finest Impressionist and post-Impressionist works in the world.

A problem faced by galleries everywhere is that of hanging-space – most are able to display only a fraction of the works they possess, with a much larger number stacked away in the basements. The pressure is higher in galleries like the Tate which strive to maintain a representative collection of contemporary art than in, say, the National Gallery. The idea of having a sister Tate Gallery somewhere other than in London had long been in the minds of the Millbank Trustees as a decentralization measure to echo what was happening with opera and



Photograph: Metropolitan Development Corporation

Specialists in Cooling Tower and Cooling Water Systems Maintenance

Following recent outbreaks of Legionnaires Disease which have been associated with cooling towers used in air-conditioning systems, and in the light of recent developments in the water treatment industry, Haden Maintenance has established a fully trained specialist operational team, issued with the latest safety equipment and protective clothing. The team is dedicated to carrying out mechanical and chemical maintenance in accordance with the published procedures as laid down in CIBSE's Technical Memoranda 13, H&S Executive EH48, and where applicable the DHSS 1988 Code of Practice for Health Care Premises.

The conditions under which the bacillus Legionella Pneumophila can develop in water systems are complex; certain levels of pH, nutrients, temperature, iron, CO₂, oxygen and other constituents are all necessary in order to promote colonisation of the organism to a significant level where risk to health is established.

Routine checks on water quality, corrosion, scale inhibitors and biocides are carried out on a weekly basis. HML has introduced a Permit to Work system for all work on or near operating cooling towers. The first stage in the programme is to take weekly dip-side tests to determine the total bacterial count of colony forming units. This will readily show, within 24 hours, whether any further tests should be carried out specifically for Legionella Pneumophila. All test results are logged and reports issued in accordance with the HML Quality Assurance Manual.

The second stage of this programme is to chlorinate the whole water system for a period of 8 hours in order to



Haden Building Services Limited

As a part of further corporate development, on 1st January 1989 Haden Young Ltd and Haden Maintenance Ltd were brought together formally as constituent parts of Haden Building Services Limited, which will be the vehicle for developing the growth of Haden interests within the Group.

As Chief Executive of Haden Building Services Limited, I am pleased to announce that CA Wheldrake has been appointed Managing Director of Haden Young Ltd. R Sharp remains the Managing Director of Haden Maintenance Ltd.

These moves signal both the steady progress of Haden companies within the ownership of BICC and also the maintenance of our long-standing tradition of management succession from people trained within the Company.

I view the strength of the businesses within Haden Building Services Limited and the growth opportunities ahead with optimism.

DS Gillingham



Celebration



George Haden.



James Haden.

**A LINK WITH THE PAST –
TORQUAY OFFICE REUNION.
18th JANUARY 1991**

You never know what your staff are up to when your back is turned, but one harmless and useful idea in the drawing office, the brainchild of Ian Western, was to keep a list of all members of the staff when they left, and when he himself

Haden celebrate in 1991, the foundation of their Company 175 years ago. Brothers George & James Haden first started working together in Trowbridge, Wiltshire in 1816, after successful engineering apprenticeships with James Watt and Matthew Boulton's prestigious Birmingham firm of Boulton & Watt.

By 1816 the Industrial Revolution was well advanced, so that men were able to expand on the inventions of earlier generations by applying them to quite new uses, or to uses which had previously been technically impossible.

The Haden brothers took their part in such developments, and in so doing became part of the social and economic history of their time.

Haden are proud to say that they have continued in the footsteps of their innovative founders and are at the forefront of the Industry.

CHIEF EXECUTIVE RETIRES



Carl Wheldrake (left) presenting Derek Gillingham with his retirement gifts.

D. S. Gillingham retired at the end of April after 45 years service with Haden.

At a retirement reception in Southgate recently he reminisced over his career with Haden, regaling his capacity audience with a humorous story or two. The one memory uppermost in his mind, was that after his interview he went away knowing that G.N.Haden & Sons Limited was the company he had to work for. The interview having engendered a strong empathy towards the company. For 45 years he never wavered from that feeling of belonging and commitment.

Carl Wheldrake (Chief Executive elect) expressed the Company's gratitude for this total dedication, adding his own personal appreciation for the tremendous support he received from Derek, as a newly appointed Managing Director, two years ago. Derek Gillingham, he said, would be remembered for upholding the old Haden values, a duty not easy in any economic climate but a task he would do his utmost to emulate.

In acknowledgement of this loyalty, the Company presented Derek Gillingham with two original watercolours - from the set commissioned for the Haden 175 year anniversary calender - which he had always admired. With the contributions that poured in from around the branches, he received a splendid clock.

Derek Gillingham joined the company when George Nelson Haden was Chairman (the Hospital in Riyadh and the famed Zayed Sports City).



TERMINAL 2 – MANCHESTER AIRPORT

Earlier this year His Royal Highness, Prince Philip officially opened Manchester Airport Terminal 2. The event is commemorated by a 64 square foot stained glass window which incorporates the coats of arms of the 10 local authorities, with shares in M.A. plc. A work of art constructed by Stockport glazier, David Sidgewick.

For those interested in statistics – the total site area is one million square metres, the equivalent of 200 football pitches. 35 miles of pipe have been used. The foundations required 13,000 cubic metres of concrete. 10,000 tonnes of structural steelwork were used, amounting to 1% of Britain's total structural steel output for 1989/90.

The names of the roads through T2 have come from around the globe, emphasising the terminal's gateway to world. So you will see such names as Singapore Avenue and Melbourne Avenue, and of course the main route which joins the M56 to the terminal had to be – Worldway. But travellers beware, all the new roads have yellow lines and there will be either a total prohibition on parking or waiting restrictions.

In 1992 Manchester Airport was the third busiest airport in Britain, handling over 12 million passengers. With Terminal Two in action, this will increase its capacity and enable 23.5 million passengers a year to use its facilities. The new terminal will cater for scheduled and charter international flights. Phase 1 of T2 is now complete, with Phase 2 waiting in the wings for 1997.

The facilities are already impressive, with 58 check-in desks, 38 toilet blocks and a superb £750,000 carpet in its lounges and the main corridor, in dark purple, light purple, light blue and pink. The special design depicts stylized patterns of the wings, nose-cones etc. of aircraft. It was specially made to cope with 6 million passengers a year treading its path. With 14 air bridges, passengers will not even have to go outside to embark or disembark their waiting planes. A creche, with a specially commissioned mural by artist, Gerald Rickards, is available with plenty of toys to keep young travellers occupied.



Gill Thompson, Chief Executive Manchester Airport (right) presents HRH The Duke of Edinburgh with a limited edition book of local illustrations.