Originally launched at the PMV/BIG 5 Show in Dubai last year the Air-Blast concept has continued to raise interest from many of the leading ReadyMix concrete producers in the Middle-East. The Air-Blast System represents a cost-effective alternative to reduce concrete temperatures while operating plant in the high ambient temperatures of the Gulf Region.

Based on a standard 12 metre ISO container the Air-Blast System draws warm air and cools it down before 'injecting' the cold/dry air into the aggregate storage bins via specially developed nozzles.

The standard Air-Blast System can be used with existing plant ice systems to reduce the need for large capacity ice storage enclosures and to maintain tolerant water:cement ratios.

The injection nozzles can be fitted to many types and makes of aggregate storage bins, including linear bins, overheads bins and tower type plants. The Air-Blast System can be supplied with additional cooling modules to suit high capacity concrete production – further details on request.

LONDON CONCRETE GOING FOR GOLD!

A new Major 2000 based concrete plant has been installed and commissioned as part of major, on-site, civil engineering project close to Pudding Mill Lane Station in London. The new dual ‘wet’ leg plant features two 4.5 cubic metre twin-shaft paddle mixers, six aggregate storage bins, four ground loading hoppers and seven cement storage silos. All bins and silos can be continuously monitored for material contents by means of ultra-sonic probes and micro-cells – in addition the plant includes twelve colour cameras placed strategically around the plant to allow the plant operators to keep a close ‘eye’ on the entire plant. Daily output has already exceeded 1400 cubic metres of high spec. concrete with more to come as the project develops.

Access to the Stratford site has been difficult, requiring the larger cement silos to be transhipped into the site by rail.

Upon completion of the main project, the whole plant is scheduled to be relocated to a more permanent site in London.
Porthmadog Concrete Limited holds an enviable position as the independent market leader in North West Wales in concrete production and supply.

PCL was founded in 1989 by Hugh Glyn Griffith to fill a gap in the market for small deliveries of ready mixed concrete.

Originally operating two small trucks driven by Mr Griffith and his son Robert, the business has since expanded to comprise five mixer trucks, two batching plants and employs 12 local people.

Porthmadog Concrete’s customer base includes local authorities, civil engineering contractors and farmers, as well as the local building industry and DIY.

Since the death of his father in 2002, Robert Griffith has continued a programme of expansion and improvement, which includes the achievement, in 2003, of British Standard accreditation BS 8500 for the ready mixed concrete operations at both plants, thus ensuring a continued commitment to quality and service.

In early 2007 Robert first contacted Steelfields to discuss the replacement of his existing two-bin concrete plant – in the Spring of 2008 a final plant specification was agreed for the supply and installation of a new Major 60 concrete plant tailored to suit Robert’s exact requirements, including the need to modify some of the travelling widths to allow access down the narrow entrance lane into the main site!

The new Major 60 plant is an excellent example of PCL’s commitment to supply their customers with a quality service from a state-of-the-art plant offering a complete concrete supply service together with a ‘collect concrete’ facility. With ready mix plants in Porthmadog and Pwllheli, the company is able to deliver premium quality concrete with ease to all of Gwynedd and South Anglesey.

2009 will mark the 20th Anniversary for Porthmadog Concrete Limited – with best wishes for every success in the next 20 years.

AUTUMN 2008 WILL SEE THE LAUNCH OF THE NEW MODULAR MAJOR 2000 PLANT WITH STANDARD AGGREGATE STORAGE BINS AVAILABLE IN 3 OR 4 COMPARTMENT SECTIONS EXPANDABLE TO 5 OR 6 COMPARTMENTS BY USE OF STANDARD UNITS AND UP TO 12 BINS WITH INCOMING FEED CONVEYORS – FURTHER DETAILS ON REQUEST.

CRystal rig II WInd farm, Dunbar, scOTLaND

Production of Major 2000 series now includes a new ‘dry’ batch version – the plant was specified with four low-level aggregate bins, low-angled batch conveyor with ‘flow control’, elevated truckmixer loading station to suit rough terrain chassis cabs, two low profile cement silos and the latest ‘Windows’ based batch control system – an eight week program was completed on time and budget.

ADDITIONAL MAJOR 60 CONCRETE PLANT FOR NORTH WALES

A new customised Major 60 concrete plant was commissioned for Hogan Brothers (Concrete) in Bangor, North Wales during the late Spring of 2008 – the new brightly coloured plant features two ‘dry’ truckmixer loading points thus reducing wasted time ‘slumping-up’ at the plant each with a dust extraction system.

In response to recent demand, the Steelfields Major 60, SM 60 and Major 90 plant series can now be specified with a large capacity free-fall drum mixer with nominated outputs of 6, 7, 8 or 9 cubic metres – the standard design uses a proven system of mixing paddles with a choice of rubber or polyurethane drum liners for extended service life.

NEW MODULAR MAJOR 2000 HORIZONTAL PLANT

Autumn 2008 will see the launch of the new modular Major 2000 plant with standard aggregate storage bins available in 3 or 4 compartment sections expandable to 5 or 6 compartments by use of standard units and up to 12 bins with incoming feed conveyors – further details on request.

BIG ENOUGH TO COPE – SMALL ENOUGH TO CARE.

JONES BROS

CRystal rig II WInd farm, Dunbar, scOTLaND
In response to popular demand Steelfields can now offer a new counter-flow mixer with a full 3 cubic metre output of compacted concrete – initial orders have already been placed for installation in a new concrete products factory in Belgium.

All ‘SFP’ mixers from 250 litres up to 2.5 cubic metres can be offered with an inclined skip hoist complete with low-profile bucket.

Steelfields Major 2000 goes into production in Sudan

In 2006 Steelfields supplied their first Major 2000 plant for readymix and block production to the El-Khabir Group, who are based just outside of Khartoum, Sudan.

The initial design brief was to install a compact, reliable plant to feed a new concrete block factory whilst still being able to produce quality concrete to truckmixers as a commercial concrete operation.

The Major 2000 series was selected as an ideal plant due to its robust design and simple, low-cost foundations - this plant was delivered to site as a containerised module further reducing shipping costs - the mixer, ‘wet’ holding hopper and fully automatic batch control system, etc., were shipped direct from Steelfields’ Gillingham factory and assembled along with a 50 tonne capacity, single compartment conventional cement silo provided by one of our distributors in the United Arab Emirates.

This was an exciting project as this is a newly developed division within the group, the venture has been very successful and El-Khabir are subsequently considering the purchase of additional plant from Steelfields.
In accordance with its policy of constant product development, Steelfields Limited reserves the right to change materials, specification and models without prior notice. All dimensions and capacities quoted are nominal.

**Steelfields SM60 Plant goes into Naval Base, Perth, Western Australia**

BGC Concrete, who were established in 1988, operate concrete plants, a fleet in excess of 100 agitator trucks and 6 concrete pumps in Perth, Western Australia. Previously the company had been sourcing plants from within Australia and imports from Italy, however BGC (Australia) Pty Limited, the parent company has frequently imported plant and equipment for its manufacturing operations, sourced globally.

A new cement manufacturing facility was recently constructed at Naval Base, a town situated 17 km south of Fremantle, and is now accompanied with a Steelfields SM60 Plant. The plant incorporates both ‘wet’ and ‘dry’ mixing options and will service ready mix clients in the surrounding area and a precast facility located on the site.

The plant is fully enclosed within a factory; three silos are supported above the plant feeding into a weigh hopper to provide LH, GP and Cream Cement options. The installation logistics were handled by BGC and Steelfields personnel, minor difficulties were experienced, enclosing the plant but were overcome through structural changes being made to the factory roof and adjustments to internal overhead cranes. The new plant will service the precast facility using a kibble type discharge from the ‘wet’ pan mix plant.

The final commissioning was completed in August 2007, production within the plant has now commenced with the first full months output of 2500m3 and now the plant based truck fleet is being increased to accommodate for anticipated annual production of 50,000 - 60,000m3.

BGC Concrete are extremely happy with both the product and service levels they have experienced from working with Steelfields and future growth plans for BGC with more developments in Western Australia may well see the installation of additional Steelfields plant.

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**GEOFF FORSTER**
**NEW TECHNICAL SALES ENGINEER**

Steelfields are pleased to welcome Geoff back after a temporary absence of eight years – Geoff originally started with Steelfields as a fabrication plater in 1981 and left in 2001 to further his career with one of the UK’s leading independent concrete suppliers. Geoff will bring a vast practical experience to the sales team and will soon find his feet ‘on the other side of the counter’. Geoff can be contacted on geoff.forster@steelfields.co.uk

**SALES DEALER FOR KUWAIT**

In line with Steelfields ongoing commitment to the Middle-East we have appointed Al-Ghanim Equipment LLC as our exclusive plant and equipment dealer for the Kuwait market.

Please contact Mr Hussein El-Baghdady (mob +965 6933611) or via email at info@alghanimequipment.com

**NEW SERVICE CENTRE IN ABU DHABI**

**HS CC ENGINEERING & SERVICES**

Steelfields are pleased to announce that our new Service Centre is now established in Abu Dhabi providing a full range of after-sales service and technical support to our customers across the Gulf Region.

In addition, HSCC can carry out site surveys, plant upgrades along with regular maintenance and servicing of a wide range of concrete plant in the UAE.

In the first instance please contact +971 50 3288366 or +971 50 6112122

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