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CoGri Asia Wins Contract For 56,000 M<sup>2</sup> DC Floor Construction In China



CoGri Asia, based in Singapore, has been awarded a contract for the construction of a 56,000 m<sup>2</sup> Steel Fibre only Reinforced Slab on Piles (SOP) floor for a global retailer who is building a new distribution centre on the outskirts of Shanghai, China.

Construction of the Pile Supported Slab will commence in June 2010 and is to be completed within a 71-day period. Pioneered by CoGri Asia, this is the first time a floor of this design will be constructed in China.

The award follows other Steel Fibre SOP floors recently constructed by CoGri Asia, including a 24,000 m<sup>2</sup> floor in Thailand and a 50,000 m<sup>2</sup> in Malaysia.

This third award clearly reaffirms CoGri Asia's position as the leading Quality Concrete Flooring Contractor operating in Asia, providing high quality concrete flooring solutions and construction services.

Pictures from top: Construction of a Steel Fibre only SOP. Face Consultants surveying floor.

Face Consultants Increase Representation With FeRFA

Face Consultants are a member of The Resin Flooring Association (FeRFA) and have been focusing on expanding their presence within the UK Resin Flooring Industry.

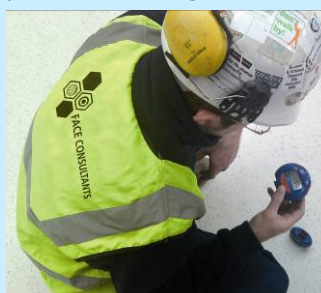
This year, Face Consultants are increasing their efforts to bring the Floor Testing Services to FeRFA members and to companies who may benefit from their expertise.

Face Consultants have over 20 years of experience in floor flatness measuring systems and as world leaders were the first to be approved by the United Kingdom Accreditation Service (UKAS) to BS.EN ISO/IEC 17025 'General Requirements for the Competence of testing and Calibration Laboratories' to carry out floor flatness testing to the Concrete Society's Technical Report No 34 (TR34), and Accelerated Abrasion Resistance Testing to check compliance with BS 8204-2:2003.

Key Floor Testing Services include:

- \* Slip / Skid Testing

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Surface Micro Roughness Assessment



Slip /Skid Resistance Testing



The Laser Grinder®

## Concrete Grinding Update

Concrete Grinding have recently had an influx of Laser Grinding and [joint repair](#) projects.

We are currently laser grinding in Dubai, Portugal, Germany and the UK, with further projects booked in Sharjah, Dubai, France, Germany and the UK.

First trials on the new [Laser Grinder®](#) have proved to be successful and we hope to have the machine working before the next edition of CoGri News.

For most of March and April, Concrete Grinding were working on an existing warehouse in Germany. CG despatched 2 Laser Grinders® and 2 two-manned teams who ground 12 aisles, totalling 1060 metres. The teams worked on very tight rotas for around 4 weeks to get the job completed. CG carried out controlled grinding to DIN 15185 specification.

In May, CG worked for a contractor on behalf of a client in Barrow in Furness, UK. The client had a new racking facility installed. CG carried out Whole Aisle Width Grinding to 3 aisles. The project was finished in 3 days.

Concrete Grinding also returned to Dubai to complete a flooring project for [Deal Distribution International FZE](#). A new racking system has been installed and the warehouse floor is now ready for the next stage. To meet with TR34 DM2 specification, the CG team carried out 3 Wheel Track Grinding to the required floor area. This project is due to complete in June.

## LGA Logis Superflat Floor Construction for Booksville Achieved Full Flatness Compliance

[LGA Logis](#) has recently completed construction of an 11,500 m<sup>2</sup> nominally reinforced SOG (Slab on Grade) floor to a new warehouse for 'Booksville' Publishing at Paju, Gyunggi-Do, Korea. The multi-use warehouse included an area of 3,500 m<sup>2</sup> which was designated for use with 'Wire-Guided' VNA (Very Narrow Aisle) forklift trucks having a maximum lift height of more than 13.0 m and required a floor flatness/ levelness specification of TR-34 'Superflat'.

As the soil conditions at the site were quite good, LGA Logis suggested that the original fully reinforced SOG slab design be changed to a nominally reinforced SOG design (LP-SOG) for a more cost effective solution, in order to reduce floor maintenance and improve long term durability. The slab design was fixed as a 200 mm thick slab, nominally reinforced with a single layer of Steel Fabric. This also allowed the use of a full sized Laser Screed to ensure that the tolerance of FM2 was achieved throughout the Free Movement area of the warehouse.

The 'Superflat' floor area was constructed using the tried and tested CoGri Group Superflat Long Strip (SF-LS) solution which allows experienced and highly skilled floor technicians to achieve the TR-34 'Superflat' specification without the need for remedial grinding and without the use of a Dry Shake Topping. Other claimed Superflat floor competitors in Korea commonly use Dry Shake Toppings to improve floor flatness – a very risky solution which often leads to delamination.

Although a complicated and challenging project due to the Owners programme constraints and site conditions, with careful planning, flexibility and good communication throughout the project, the floor construction was completed in accordance with the Owners programme and performance requirements. The completed VNA floor was tested by Face Consultants Korea using its Digital Profilegraph and confirmed to be fully compliant with the TR-34 'Superflat' specification. In fact to achieve the tolerance of 'Superflat' in the 716 m of VNA aisle length, not a single bit of remedial grinding was required – a remarkable achievement considering the constraints of the project and site. This is the third certified 'Superflat' floor constructed by LGA Logis in Korea to date.

This project proved yet again that construction of a high quality concrete floor which will improve the efficiency of the warehouse operations and minimise maintenance costs, can also be cost-effective. It also demonstrated why warehouse Owners who recognise the long term benefits of having a high quality concrete floor, turn to LGA Logis and the CoGri Group for its specialist services. Just some of the items and expertise provided by LGA Logis in this project, which set it aside from its competitors include:

- \* Design support and expertise is provided by qualified Engineers in house.
- \* Supervision of Sub-Base and Sub Grade Testing is also done by LGA Logis.
- \* LGA Logis always uses high quality specialist materials usually imported.
- \* Detailed Construction Planning includes preparation of detailed construction drawings for the slab.

*(Continued on page 4)*



A Highly Burnished Superflat Floor



A Plate Bearing Test was done to confirm the Sub-Grade K-Value



Columns are fully isolated from the slab and backfilled later



Extensive Concrete Testing is carried out

## Reporting from CG Flooring Systems

The last few months have been unpredictable for the CG Flooring Systems Team. We have seen the extremes of the changeable UK market place, with calm periods amid winning successful contracts.

Time was not wasted during the quiet periods, with the opportunity taken to undertake consolidation training on system application



1st coat application of Solvent Free Epoxy High Build Coating to the Milk Store area



Pedestrian walkway and boxed storage area line marking applications



Injection ports and drill holes for slab stabilisation grouting to the Goods In area of a warehouse

techniques and refresher training on a variety of equipment. The aim of the training time was to enhance individual and team skills, which will ultimately make us a better and more efficient organisation, able to deal with the demands of each and every flooring project we are involved with. We have recently witnessed the benefits of the additional training, as we have for the first time seen ourselves involved with four flooring projects on the go, at the same time. This is certainly a milestone the team can be very proud of.

On the job, the work has been varied and challenging, with some of the team gaining experience in slab stabilisation works for the first time.

And just like buses, no sooner had we completed the first stabilisation project, then another came along very soon after. This time for a large international organisation, who are so pleased with the results, they have invited us back to carry out further similar works.

We have also completed floor repair, installation of non-slip coatings and approximately twelve kilometres of line marking in the regional

distribution centre for one of the major high street supermarkets. At the time of going to press we have just started floor repair work on a warehouse refurbishment project, which will involve all of the CoGri Group of Companies at some stage. CG Flooring Systems are proud to act as lead on a project that demonstrates the skills and professionalism of the CoGri Group and the benefits of using a specialist industrial flooring contractor.

These are exciting times for us and we look forward to the challenges of the coming months.

## New Appointments

The CoGri Group are pleased to welcome two young and energetic new staff members who have joined LGA Logis in South Korea in recent months.

Iris Won is LGA Logis' new Accounts and Administrative Assistant. Iris majored in Business English and has prior experience working in the construction industry.

Ron Lee is our new Floor Technician and Plant Operator who joined LGA Logis in March 2010. Ron brings to our company almost a decade of experience in constructing concrete floors by Laser Screed including a number of years of experience working in China.



Pictures from top: Iris Won and Ron Lee.

## CoGri Group Supports Local Cricket Club

CoGri Group are supporting the Kirkburton Cricket Club (KCC), based only half a mile away from Dene House.



The Group's MD has been supporting the club for the last five years and this year, local businesses were presented with an opportunity to promote their company on advertising boards located within the Cricket Ground. The club successfully raised funds

from many local firms, including £200 from the CoGri Group.

The CoGri Group connection to KCC also include Keith Burkinshaw, Concrete Grinding Ltd's Contracts Manager, who has been the Coach for the Junior Cricket Club for 20 years, until he retired this year. Keith worked, at various times, with the under 9, under 11, under 13 under 15 under 17, and the Girls' Cricket Team, most of whom were under 13.

KCC started playing the Drakes Huddersfield Cricket League Premiership in April this year. There are 25 games in total which run from April to September. KCC were promoted to the Premier Division from the Conference Division last year. The CoGri Group wish them all the best for this season.

## Face Consultants Increase Representation With FeRFA

(Continued from page 1)

- \* Surface Regularity Testing
- \* Relative Humidity Testing
- \* Pull off Testing
- \* Crack Surveys / Crack Monitoring
- \* Bespoke Surveys
- \* Abrasion Resistance Testing
- \* Surface Micro Roughness Assessment
- \* Drop Testing (BRE Screed Tester)
- \* Cover Meter Surveys

In conjunction with the marketing plans for FeRFA, the FACE website has also been updated to include these services.

For detailed information about Face Consultants Floor Testing Services, visit [www.face-consultants.com](http://www.face-consultants.com) or contact Duane Scarfe on Tel: +44 (0) 1484 600090 or email: [duane.scarfe@face-consultants.com](mailto:duane.scarfe@face-consultants.com)



Drop Testing

## Modern Logistics Warehouse Exhibition 30th June - 1st July 2010, Thailand

In collaboration with industry partners in Materials Handling and Logistics, CoGri Asia will be exhibiting at the Modern Logistics Warehouse Show and are inviting trade members to attend.

Breaking away from the traditional Materials Handling Exhibition, with its high overhead and limited quality audiences, an enterprising group of International companies, including CoGri Asia, has formed a consortium to organize their own private exhibition. In this exhibition, visitors will be able to view a comprehensive range of storage systems, using fully operational forklift trucks. Using the original concept of having "live" exhibits, this will give customers a far better perception of how the equipment can be operated. Exhibitors include CoGri Asia, Beumer, Crisplant, Crown, ESI, Greatwall, Interroll, Loscam and SSI Schaefer.

CoGri Asia, armed with more than 20 years of experience in design/build, construction and upgrading of industrial concrete floorings, will be showcasing floor tolerance measurement, high tolerance flooring technology, and refurbishment solutions.

Besides being able to view the exhibits "live", there will also be a short individual 20-minute company presentations running throughout the duration.

### Exhibition Times:

30 June 2010 11.00am - 8.00pm  
1 July 2010 11.00am - 8.00pm

### Venue

Workpoint Entertainment p.l.  
99 Moo2 Bangpoo, Muang Pathumthani,  
Pathumthani, 12000 Thailand.

### How to register or get more information?

If you have a client who you think may benefit from this event, please contact Ms Sunee Borvornteerakul at [sunee@ssi-schaefer.co.th](mailto:sunee@ssi-schaefer.co.th) or telephone +662 204 0205 ext. 207



## FACE Middle East Fzc

In Dubai, temperature is now getting into the 40's (Centigrade) and people are starting to struggle. Despite this, **FACE M.E.** are busy with a number of projects in the Middle East region.

In UAE, we laid our first floor for Deal Distribution International FZE and are now involved in the laser grinding of the VNA Aisles.

We are carrying out two separate projects, one with joint repair work and the other, laying a Wire Guidance system. We have surveyed the new factory floor and remedial grinding will be carried out prior to Wire Guidance Installation.

Working for a flooring contractor, we are due to start On-Site Supervision and provide experienced Laser Screed and Finisher operators for 46,000 m<sup>2</sup> of FM2 and DM2 Floor.

For another company, we have started Laser Grinding in June.

At a DC in Kuwait, we have been retained to Design and Supervise the replacement of a suspended VNA Racking floor which has been damaged by fire in the basement below.

In Jordan, we are due to start On-Site Supervision of 20,000 m<sup>2</sup> new warehouse floor. On another project, we are retained to carry out floor design and on site supervision job for two new warehouses .

Overall we are busy in the Middle East and we have enquiries pending in Oman, Qatar and UAE. We also have potential business still to be concluded for CG Flooring Systems Ltd.

## ACIFC Annual Golf Tournament

The CoGri Group entered the annual ACIFC (Association of Concrete Industrial Flooring Contractors) Golf Day in May.

CoGri's four ball team included Mark Pestel-Debord, CoGri's guest Richard Roden, Alan Yuill, Yves Pestel-Debord. See picture below from left.



Some of the CoGri's team members accepting the runners up prize.

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## LGA Logis Superflat Floor Construction for Booksville Achieved Full Flatness Compliance

- \* Professional Project Management is provided by a project team of 4-5 no. of LGA Logis direct employed staff including full time Engineers.
- \* Attention to detail is critical to successful high quality concrete floor construction.
- \* LGA Logis applies its own detailed internal QA/ QC procedures
- \* Comprehensive Concrete Testing and Q.C checking is carried out.
- \* Compliance Testing is carried out by an independent specialist testing company and fully in accordance with the specification requirements.

Critical to the success of this project was the understanding by the Owner that the concrete floor was the most important part of the building structure and an integral part of the Logistics system for the warehouse. Including detailed discussions together with LGA Logis - the preferred flooring contractor, forklift truck suppliers and the racking supplier, the Owner had direct involvement in the specification, design and planning of the floor construction. Subsequently the floor was correctly specified as TR-34 (2003) Table 4.3, 'Superflat' and the Owner demanded that the correct Compliance Testing was carried out by a specialist testing company.



Superflat floor, now operational