



Wishing You A Merry Christmas And A Prosperous New Year From The CoGri Group

CoGri Group Prescribe Floor Remedy

Sanofi Aventis is one of the world's leading pharmaceutical companies who discover, develop and distribute therapeutic solutions to help improve the lives of people throughout the globe. The floor within the aisles at their UK Distribution Centre in Chapeltown, Sheffield was in need of an upgrade to better support their operational requirements.



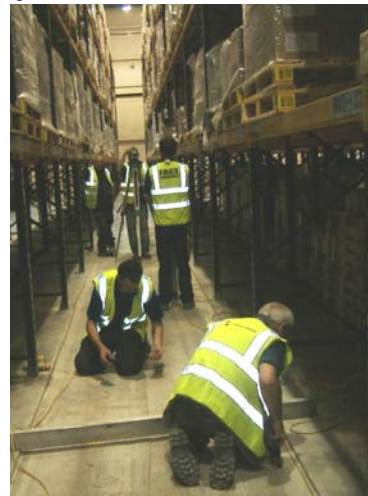
Rigging the tent

this type of industrial floor refurbishment, to assist on this phase. Despite a relatively small area of 540m² for the 5 aisles in total, it was a demanding project, not just technically but also in planning and resource management. The window of opportunity was limited to working over 3 weekends and time was not on our side. The challenge was set and the game was afoot!

Core samples were taken which provided an indication on the amount of material to be removed and subsequently replaced with the new flooring system. The process

In June 2009 Concrete Grinding Ltd, a member of the CoGri Group of companies, who have previously worked for Sanofi Aventis in Europe and the UK, began the liaison process with the Warehouse Operations, Facilities and HSE Manager at the Distribution Centre (DC). The DC has 37 Very Narrow Aisles with the vast majority of the aisles having a concrete surface, however, within 5 of the aisles a soft screed overlay was present. It was proposed to upgrade the aisles by a combination of Laser Grinding and the application of FASTFLOOR - IT in the aisles with the soft screed overlay.

The first phase was to remove the soft screed overlay and replace with FASTFLOOR - IT industrial wearing screed. Concrete Grinding called in CG Flooring Systems, specialists in



Setting levels

began with saw cutting along either side of the aisle, as this progressed down each aisle, the team began to erect a tenting system within the aisle in order to enclose and isolate the working area from the remainder of the warehouse. Once the tent was completed, the soft screed was removed by road planer, then the exposed concrete underneath was mechanically cleaned by shot-blasting. The FASTFLOOR - IT base

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FACE Middle East New Dates Facility



Under slab insulation being placed in preparation of casting

The AI Ain based company gave Lucent the go ahead to build the new chill facility as an extension to their existing premises. Once Lucent had been awarded the contract, FACE Middle East were asked to provide a full design supervision package.

The first step was to design a slab based on the proposed loading and racking layout. Various factors were considered including achievable slab size per day, joint layout, joint detail and the required level of flatness.

Lucent Contracting called on the services of FACE Middle East FZC when they were awarded the contract to build a new chilled storage facility for AI Foah Dates.

Once the initial design had been submitted, FACE Middle East attended a pre-contract meeting on site to inspect the environment where the floor would be cast. The casting process was explained to the site foreman and the tools & form work inspected.

Several weeks later, 2 FACE Middle East engineers arrived on site to begin casting the floor. FACE Middle East also provided an instructor to train the site masons on how to professionally powerfloat each slab - achieving a hard, durable surface finish.

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## Steel Fibre Reinforced Slab on Piles Seminar in Korea

The CoGri Group continues to be a major force in the promotion of modern high quality concrete flooring solutions, globally. On 10<sup>th</sup> November 2009, **LGA Logis** hosted a half day Seminar entitled 'Steel Fibre only Slabs on Piles – the Modern Solution to Piled Slabs for Logistics and Industrial facilities'. The aim of the seminar is to increase industry awareness of the design and construction of Steel Fibre only reinforced Slabs on Piles in Korea.

The event was co-sponsored by Arcelor Mittal, Face Consultants (Korea) Ltd, the Korean Structural Engineers Association and the Korea Logistics News.

After a brief introduction to the services and history of the CoGri Group in Korea, Mr. Luc Buttel of Arcelor Mittal gave an interesting presentation on the historical background of Steel Fibres and the benefits of the solution including an overview of the design theory.

CoGri Group Managing



Back from left - Jason Blackmore (LGA Logis Representative Director), Kevin Dare (CoGri Group MD), Luc Buttel (Arcelor Mittal Export Manager), Jung Taek (LGA Logis Director).

Front - Jeena Byun (LGA Logis Finance Assistant), Jemma Kwon (LGA Logis Finance Manager), Danny Shin (LGA Logis Sales Manager), Steve Oh (LGA Logis Sales Manager), Choi Seok Soon (Face Consultants Korea Branch Manager)

Director, Kevin Dare, then provided an informative presentation on the specification and detailed design of Steel Fibre only reinforced Slabs on Piles on behalf of Face Consultants Ltd.

Following a coffee break, Mr. Jung Taek, Sales & Marketing Director of LGA Logis gave a presentation on the Construction of Steel Fibre Slab On Piles floors followed by an overview of some Case Studies by Mr. Choi Seok Soon – Branch Manager of Face Consultants Korea.

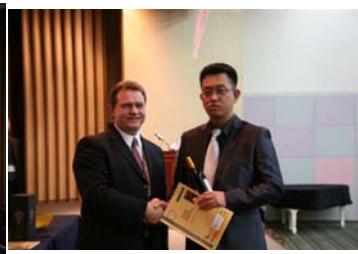
The audience came from a wide range of backgrounds and included Logistics Owners, Logistics Consultants, Main Contractors, Engineers and other construction professionals, including

representatives from a number of major Korean companies. The event concluded with a lively Q&A session followed by a lucky draw carried out by Kevin Dare with prizes including copies of TR-34.

Many thanks from LGA Logis to the Co-Sponsors, speakers and all who helped arrange and contributed to this event.



Choi Seok Soon, delivering a presentation



Kevin Dare with the winner of the TR34 and a bottle of wine

## Concrete Grinding Bulletin



In the last 3 months, Concrete Grinding (CG) has been busy with many projects for various companies within the UK and overseas. Some of these were:

Carrying out joint repairs at a DC at Magna Park.

In Preston, as well as joint repairs, the CG team hand ground a patch repair and applied a floor sealer to reduce dust displacements.

CG visited two leading international courier sites in Doncaster and constructed 4 shrink-wrap areas.

Joint repairs, patch repairs and reseals were also completed at another site in Tickhill, South of Doncaster.

In Northampton, CG completed projects for two sites, based at the same industrial estate, for a leading supplier to the building and construction industry. CG filled in a recessed manhole and carried out patch repairs using epoxy mortar. At another site location, CG repaired 52 metres of joints.

Three jobs in total were completed for a DIY retailer DC in Northampton. Two jobs included ramp grinding, patch, reseal and arris repairs. The third job included 46 metres of arris repair and 7 metres of joints reseal.

CG also worked for a contractor at a site in Manchester. The surface grinding job was completed using a BEF 320 Heavy Duty Multiplane.

### Grinding projects:

Working with our German partner, BS Bodensysteme GmbH, CG assisted with three grinding projects in the region.

The first project was for a company specialising in mobile energy supply and data transmission systems where 3 aisles, each at 39 metres long, were laser ground using the Laser Grinder.

For a healthcare company at Mannheim, CG worked on a building which had limited access, particularly for large machinery. This meant CG had to lift the Laser Grinder approximately 50 metres high up to the top of the building and lower the Laser Grinder through the roof.

CG carried out whole aisle width grinding to 2 aisles at 64 metres each. In addition, there were no free movement areas at either end of the aisles so the Laser Grinder had to be lifted up and turned around to grind the remaining 2 metres. After the first aisle was completed, the Laser Grinder was lifted again and lowered into the second aisle and this grinding process was repeated.

For an international laboratory supply and distribution company in Darmstadt, our Face Consultants partner, CPS Geodat GmbH, surveyed the floor and pinpointed certain areas that needed grinding. This was the most cost-effective method for the client. The four man CG team ground 6 aisles of Whole aisle width grinding, totalling 312 metres.

## Jungheinrich Visits CoGri UK

The CoGri Group welcomed visitors from Jungheinrich on Monday 26<sup>th</sup> October. CoGri helped to facilitate Jungheinrich's Regional Meeting and gave a presentation on the Group services, showcasing CoGri's Laser Grinder and FACE Digital Profileographs in the morning. Topics covered in the presentation included talks on Performance Specifications, Works tour & equipment, Corrective grinding and upgrading & Repair Of Concrete Industrial Floors, followed by Q&A. Jungheinrich proceeded with their meeting in the afternoon.

Feedback from the day was excellent and we look forward to our continued working relationship with Jungheinrich.

Jungheinrich is a logistics service provider with manufacturing operations, which offers a comprehensive range of forklift trucks, shelving systems, services and consulting covering the entire field of intralogistics.



These 3 images were taken at Mannheim, Germany. Top: Two CG technicians getting the Laser Grinder ready to be lifted

## Face Consultants News

Face Consultants have been working on various global projects, including surveying in excess of 20,000m<sup>2</sup> of floor area at various locations in Ireland in the last few months.

In Wexford, Southern Ireland, FACE carried out floor flatness surveys at a new DC and manufacturing plant for a global leader in the beverage industry.

FACE are involved in a well known project in London, where as well as other contractual obligations, work will include flatness and levelness surveying.

Slip/Skid Resistance Testing was carried out in various floor locations at a major leisure complex.



Face Consultants carrying out Slip/Skid Resistance Testing.

More recently, FACE began work at a new 90,000m<sup>2</sup> DC. Work includes floor flatness surveys for the flooring contractor and QA on the project for the end-user.

And finally, after a lot of hard work and patience, Duane Scarfe, Operations & Quality Manager for Face Consultants Ltd, is now an Associate Member of the UK Slip Resistance Group. Duane hopes that this will enhance FACE's profile and brings credibility in the provision of the Slip/Skid Resistance Testing service for the company.

## Tech-Link Distribution Centre VNA Floor Construction

CoGri Asia Pacific Pte Ltd recently completed construction of 19,440m<sup>2</sup> of topping slab in a double storey VNA distribution centre in Tuas, Singapore.

Floor flatness specification requirements included 13,824m<sup>2</sup> of floor area to TR34 Superflat floor for lift height greater than 13 metres and 5,616m<sup>2</sup> to TR34 FM2 for free movement and transfer area. To our knowledge this is the largest VNA warehouse built in Singapore in the last 10 years and CoGri are extremely proud to have been a part of it.

The double storey distribution centre belongs to Tech-Link Storage Engineering Pte Ltd. Tech-Link Storage Engineering is a group of companies primarily involved in



procurement, manufacturing, marketing of storage distribution and materials handling systems. They have now added warehouse development to their portfolio.

Each level of the two storey facility had 37 aisles, each measured at

50 metres long. To keep to a tight program, 2 aisle strips were cast each day. CoGri cast

the remaining Free Movement areas using a Somero Copperhead.

Starting in mid June, the CoGri team completed the first level in just 23 days, inclusive of flooding delays. It was unusual to have a lot of rain at that time of year as it was not Monsoon season. The team forged ahead and progress on the second level was equally fast.

## CoGri Group New Appointments

The CoGri Group welcomes 6 new employees to the team.

Daniel Garnett and Mike Johnson join CG Flooring Systems as Junior Technician and Estimator respectively (pictured below from left).



Daniel previously worked as a Steel Erector for Garnett Fabrication Ltd, a family owned business based in Baildon, Bradford. Steel erectors work in the steel construction industry, installing the prefabricated structural steel frames of buildings. He assisted in one of the biggest project in Leeds, erecting steel for a major retail development near the Headrow.

Daniel first worked for the CoGri Group on an ad-hoc basis, assisting Concrete Grinding Ltd with projects in Preston and in France. Although Daniel is retraining in a completely different skills, he is looking forward to his role with CG Flooring Systems.

Mike previous experience included working for a small construction firm in Wakefield. Prior to that he worked as a Quantity Surveyor for a contractor and for a drylining company (e.g. plaster boards & suspended ceiling) as a Site Coordinator.

Mike also spent 3 and a half years as a Royal Engineer for the British Army. His training covered bridge building, demolition, Watermanship and general construction. During his time with the Royal Engineers, Mike assisted in building a helicopter pad in Northern Ireland.

In South Korea, LGA Logis recruited 4 new staff who have joined the company in recent months. Pictured right, from left are: - Danny Shin (Sales Manager), Jemma Kwon (Finance Manager), John Kim



(Construction Manager) and Tom Jung (Site Supervisor). All English names excluding Jemma's courtesy of the official LGA Logis naming committee.

Danny brings with him good knowledge of Industrial Concrete Flooring having worked previously for a Korean Flooring Contractor. Jemma has 12 years of experience in Accounting including 8 years working for multi-national companies and has a Masters degree in Finance from the University of Sydney. John and Tom both have experience working with General Contractors.

## CoGri Group Prescribe Floor Remedy

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system was then pump applied to levels set and controlled by Face Consultants to ensure the required tolerance was met. FASTFLOOR - IT Industrial Wearing System was then pump applied at a thickness of 10mm. Once the screed had received its initial cure, the final requirements were to reinstate the existing floor joints and the installation of the wire guidance system which was carried out by Concrete Grinding Ltd.

All work was completed on time, within a weekend for each allocated section and with minimum disruption to the clients' normal operational pattern. The success of this project can be attributed to a number of factors; appointing a specialist industrial flooring contractor whose knowledge, experience and understanding of concrete floors is invaluable; the teamwork, dedication and commitment of the skilled Technicians and Team Leaders on site to deliver the quality product the client deserves. However, undoubtedly the key enabler to success in this instance was the strong relationship forged between the clients' representative on site and the contractor through good open and honest communication. A good communication path does not detract from all the hard work and effort put in by all parties during this phase of the project, it only enhances it.



Application of FASTFLOOR - IT



Back in operation

This contract demonstrates not only the professionalism of [Concrete Grinding](#), [CG Flooring Systems](#) and [Face Consultants](#), it proves we understand the clients' operational commitments and we have the ability to deliver a quality solution within a sensitive pharmaceutical warehouse.

## FACE Middle East New Dates Facility

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The project consisted of 8 chiller rooms linked by a central corridor. Each room consisted of 2 slabs approximately 25m x 23m. The corridor measures 5m x 100m and was cast in 2 sections. In addition to this, 2 slabs were also cast outside of the chiller store. These 2 slabs link the new extension to the existing facility. In total over 9000m<sup>2</sup> of floor was laid to comply with the TR34 FM2 specification. The day after each slab had been cast, FACE Middle East checked it for compliance to the flatness specification. This allowed the contractor to gain immediate feedback on the results their team were achieving and to make any changes as necessary.



A complete slab covered with water, plastic and a curing compound immediately after casting. This slowed the curing process of the concrete down, reducing the potential for shrinkage cracking.

Lucent used a Somero Copperhead to strike the fresh concrete level. One advantage of using the Copperhead was that it could run on the mesh that had been fixed prior to casting each slab. Once up to full speed, 2 chiller room slabs were cast per day. Casting was done at night due to the midday heat and for better concrete availability.

The day after casting, saw cuts were made in to the slab to eliminate shrinkage cracking then sealed with a suitable material.

This contract is a perfect example of how FACE Middle East can work in partnership with a contractor from the initial design stage up to completion of installation. As a result of this co-operation, Lucent now have a very good reference project to promote their services for future potential work.

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## CoGri Sponsors Football Kit

This year, the CoGri Group are sponsoring a local team's kit, Elland Sports. Formed in 2009, Elland Sports entered the Halifax League this year in Division 2.

Overseen by Club Manager Nigel Dare and Assistant Dennis Midwood, there are 28 players signed on at the club. Since they have had the strip, Elland Sports won 3, drawn 2 and lost 1 match.



We hope the strip brings Elland Sports good luck for the rest of the season.

## New Website For CoGri Asia

Plans to update all our company websites have finally been completed with CoGri Asia

website going live in August. The new website follows the same style and format, consistent with the rest of the Group.



All Group websites can now be closely monitored in terms of visitors, clicks, page viewed, source and much more. The data will be used to screen marketing activities, help with decision making and support continuous improvement.

To view the new website, please visit [www.cogriasia.com](http://www.cogriasia.com)

Thank you to all that have contributed to this project. If you would like to give us feedback or have any questions, please email your feedback to: [cogrinews@cogrigroup.com](mailto:cogrinews@cogrigroup.com)