

Corporate Profile

SIGMA Group is one of the largest and fastest growing conglomerates in the United Arab Emirates. Its footprints stretch over a wide range of industries, spanning civil engineering, oil & gas, manufacturing, trading, aviation, government and industrial services. The group's flagship company, Sigma Enterprises L.L.C, is one of the most recognized and leading engineering solution providers in the MENA region and Iran, with its operational hub based in Dubai.



Sigma Dubai Office, DIP, Jebel Ali

The company is organized into five verticals that are namely **Plant, Machinery & Vehicles** Division, **Instrumentation** Division, **Industrial Division**, **Field Solutions** Division, and **Inspection** Division.

These divisions support their international brands from Europe and US such as ELE International, Proceq SA, Elcometer Limited, Tinius Olsen, Endecotts UK, Belle Group, Trelawny, General Dynamics, Olympus Inc, Crete Angle, Conquip Industrial, Allight, Towerlight, Sokkia, Radiodetection, Barnstead International, ETI Limited, Mobile Drill Inc., Diamatic, Rotair, Barford and John Macdonald Group, in their respective fields.

Sigma at Aralab 2009

ARAB LAB is the No.1 Business to business show for the analytical industry in the Middle East, Africa and for the Indian sub-continent. Every year thousands of business visitors from more than 50 countries across the world participate in the show for business networking and seeking new business partners or products from different regions.

As per the organizers official release, this year the event registered 7,010 visitors from more than 71 countries which includes specialist trade professionals, practicing technicians and distributors. The event also witnessed 763 exhibitors from 48 countries such as the National / Country pavilion groups from Germany, Switzerland, Austria, United Kingdom, Spain, China and Korea.



Sigma Stall - 3D View

Sigma was one among the 229 exhibitors from the United Arab Emirates. The Instrumentation Division, represented SIGMA in this International event, successfully generating excellent brand awareness and key business leads for future business development. The division also received encouraging response from many companies from the GCC region and from the government departments at the show.



Sigma Stall at the Event



News: Plant, Machinery & Vehicles Division

PMV Division continues to grow...

New Brand - Barford

To meet the diversified needs of the growing market for motor powered construction equipment, Aveling-Barford introduced in the UK its first site dumper in 1936. As a part of the family owned Wordsworth Holdings Group, Barford prides itself on a long tradition of designing and manufacturing robustly engineered reliable dumpers.

Foreseeing the customer requirements and developing break-through quality products has kept Barford ahead of the competition in the site dumper market. The company is known worldwide for its wide product range and inherent product quality and is still recognised by its signature "Work Horse" logo.



Many people underestimate the usefulness and the applications of a site dumper. These machines are easy to drive and operate, which means relatively untrained drivers can quickly pick-up the skills to operate safely. This machine is highly manoeuvrable irrespective of its tonnage or capacity. The high volume skips can be used for transporting a wide range of materials including sand, soil, wet concrete, general waste, bagged materials, rock and landscaping materials virtually on any ground conditions owing to its high performance 4x4 Drive, powerful output performance and durable tyres.

Advantages Include:

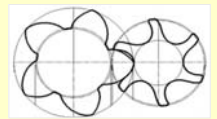
- Large payload 2 to 10tons (up to 5m³)
- Very low maintenance cost
- Low operating cost
- All Terrain 4x4 Drive
- Excellent Operator visibility
- Easy to drive

New Brand - Rotair Compressors

As part of PMV's strategic plan for 2009, we have successfully added the Rotair brand of compressors to our range complementing our already popular Airtool range from MacDonald, Trelawney, Belle and Vibratechniques. With the combination of new technology, advanced design system, environmental, service and durability as well as engineering benefits, the new Rotair range is certainly proving popular in the region with contractors and is an approved & preferred choice for many of the major equipment rental companies within the UAE.

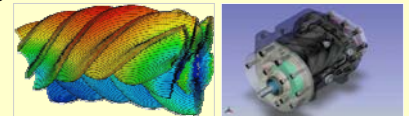
• New Technology:

- The key component is the patented "B60 airbend" that produces 15% more compressed air than typical units.



• Advanced Design System:

- Advanced CAD is utilized to ensure long life of the engine and air systems.



• Environmental Benefits:

- Low Emission Engine
- Bunded Floor Pan
- Reduced Fuel Consumption
- Silenced Canopy



• Climate Controlled:

- Up-rated Cooling System
- Airstream
- Oil Separator



• Service & Durability Benefits:

- Two-stage Intake Filters
- Smart Controls
- Line Lubricator



• Engineering Benefits:

- Crane Lifting Point
- Guarded Interior
- Anti-Vibration / Shudder
- Ultra Comfort
- Fuel Priming pump
- Road Tow
- Rust Proofed



Whilst break through into the market was primarily achieved through the mobile compressor range, we are already building up our success stories on industrial compressed air solutions. Both the mobile and static/industrial range are tested and certified to the highest standards which include, CAGI, PNEUROP, CE, ISO 1217 and ISO 14000.

News: Plant, Machinery & Vehicles Division

New Innovative Technology - Acra Screed System

Acra Screed is a screed rail system designed and developed by a highly experienced builder and civil engineer. The concept allows contractors to lay countless cubic meters of concrete easily, accurately and with minimum fuss.

Screed rails are designed to support screeding machines at a pre-set height in order for them to produce large flat floor quickly. There are different basic set-ups of the Acra Screed system that allow it to be used on floor slabs, bridge decks, rebar setups and existing concrete floors. The following step-by-step process covers the basic process of how to

Step 1...



Position concrete base block at approx 1 metre intervals. The blocks are designed to support the lower reinforcement mesh / bar as well as the screed rail system.

Step 2...



Fit the rail supports. These will eventually hold the rail at the desired height. Different length rail supports are available to suite your requirements.

Step 3...



Adjust the rail supports to the desired height. They can be set to +/- 0.5mm. A speed adjuster is supplied with the system to aid rapid setup.

Step 4...



Slot the 6m long Screed rails into the supports. This part of the system is reusable. Ensure that the screed rails are still level from step 3.

Step 5...



Pour the concrete around the screed rails, this should be placed to the height of the top of the rails.

Step 6...



Use a power screed such as vibrating beams, roller striker or trussed screed. These powered screed machines will strike off and quickly level between the rails.

Step 7...



Remove the screed rail and either put to one side or re-use as rail supports further into the job or for future use.

Step 8...



Use a concrete float such as a Big Blue or Bull Float to remove the marks the rail leaves behind, this will make finishing the floor easier.

Step 9...



Continue to work across the concrete bay strip by strip until the whole floor has been successfully screeded.



Step 10...

Finish the floor to the desired finish using tools such as a power float.

Key Benefits....

- Accurate floors to within +/- 0.5mm
- Rapid floor laying (achieve 2500m²+ easily)
- Easy and quick to set up
- Supports all type of power screed machines including: vibrating beams, roller screeds and truss screeds.
- Reduces labour on concrete pours
- Potential material savings
- Gives more time to finish floors & Accurate floors first time.

Other News: Sigma Awarded “Best Distributor Award”

March 3, 2009 : Olympus NDT distributors meeting for the MEA & Turkey region, held at the Four Point Sheraton Hotel was a three day business meet. The agenda of the three day business meeting was to introduce the new Olympus Industrial Systems Europa (OISE) division, to launch the new EPOCH 1000 Ultrasonic product and to launch new Pipe WIZARD ultrasonic testing product.



Sigma Team with Vincent, General Manager (OISE) at Conference Venue



Feras Ayoub receiving award for Sigma from Keith Sinclair, Sales Manager (OISE)



Olympus team along with Distributors from MEA(T) Region

Sigma Inspection Division was awarded the “Best Distributor of the Year” for the region, recognizing the efforts taken in acquiring new customers introduction of new products and overall strong sales growth for the period.

The award was received by Mr. Feras Ayoub, Division Manager (Inspection), on behalf of Sigma, from Mr. Keith Sinclair, Sales Manager-OISE, reinforcing the strong relationship built between the two companies for the UAE market.

Sigma has ambitious plans to expand its business geographically to Oman market and very soon will be launching its products in the Qatar region as well. Our entry in the Qatar market will be at the forthcoming “Project Qatar” exhibition in April ‘09, showcasing our wide range of world renowned brands and superior products not only for non-destructive testing, but also for field survey, civil and non-civil engineering applications, analytical & testing laboratories and other safety application.

LAVENDER INTERNATIONAL NON DESTRUCTIVE TESTING NDT Training:

Lavender International and Sigma Inspection Division are proud to announce the NDT training course calendar for the year 2009. Courses are to be held at the new training facilities at the SIGMA Head Office based at Mussafah Industrial Area, Abu Dhabi.

All courses are BINDT approved and meet the requirements of PCN/EN473. These courses are conducted by fully experienced and certified lecturers from Lavender International’s UK office.

Courses are run in a clean, well lit and spacious lecture facilities with up to date training equipment. Candidates attending the courses must have a good comprehension level of English language reading & writing. Also, those candidates attending the Phased Array and Time of Flight Diffraction Courses should be computer literate and must hold the relevant UT certification as a pre-requisite.



Course Details 2009

- Ultrasonic Level II
- Phased Array Level II
- TOFD Array Level II
- Magnetic Particle Testing Courses
- Liquid (Dye) Penetrant Testing Courses
- Radiographic Interpretation
- Phased Array Level II
- Magnetic Particle Testing Courses

Dates

- March 15 to 29, 2009
- April 5 to 16, 2009
- April 17 to 27, 2009
- May 4 to 8, 2009
- May 9 to 13, 2009
- July 5 to 16, 2009
- July 5 to 16, 2009
- Sep 27 to Oct 10, 2009

For more information and course booking, please contact us at marketing@sep.ae.

Division News : Mobile Laboratory Solution

Instrumentation Division

With the experience gained over 30 years, SIGMA Instrumentation division offers state-of-the-art products from world leading manufacturers backed by local market expertise and efficient pre & post sales support.

These world-class products cater to a wide range of application fields such as Civil Materials Testing, NDT (Concrete & Metals), Coating Inspection, Industrial Materials Testing, Environmental Testing, General Laboratory, Geotechnical Testing and Instrumentation Service business in the region.

SIGMA believes in offering its customers a personalized service and working jointly with their client's as a partner, rather than as a supplier. This vision has helped us to move closer to our customers and understand their requirements in depth.

Mobile Laboratory is one of various unique customer centric product solutions that we have developed for our clients in the region. This Lab spans the entire testing requirements for all the Product Segments of the division, depending on customer's on-site requirements.

The mobile laboratory concept was conceived keeping in mind the complex requirements from our various clients, who are into the field of **Commercial Laboratories, Cement Plants, Ready-mix Plants, Pre-cast factory and Contractor's Site Laboratories**, who need flexibility in shifting their testing facility based on project locations economically without compromising on their testing infrastructure requirements.

specializes in providing a complete solution to their customer's requirement by understanding the project location and requirements, execute laboratory designing from concept to complete installation at the site.

Key Features:

- Custom designed in a 20 ft or 40ft container
- Thermal insulation for all 4 sides and roof
- All 4 sides & roof covered with laminated ply on wooden frame Split Air-conditioning system
- Equipped with lab work table, wooden shelves, steel sinks with drain points
- Standard door frame with aluminium main door and fire exit
- Concealed electrical wiring & sockets for equipment and D.B compatible Single / 3- phase connection
- Optional facility of providing Generator as per the load requirement

Main Benefits

- Economical means of building a Complete on-site Laboratory, even at remotest of places at shortest lead time
- Easy and quick installation with minimum manpower & infrastructure requirement
- Easy and safe to transport the lab on Container trailers from one site to another project site
- Lab fabrication & designing is fully customized and based on site / customer's testing requirements
- Testing equipment from world leading brands such as ELE , Endecotts, Tinius Olsen, Proceq SA, Elcometer etc

In addition to the above services, our regular service support includes site installation of equipment in the container, calibrating equipment, on-site product training for client staff, shifting of laboratories, on-site or in-house repairs, supply of spare parts & accessories and AMC offers.

For more information on our products and services, please contact us at marketing@sep.ae.



Mobile lab at National Cement Factory, AUH



Sigma Success Story! : GD Itronix Laptops for DP World

Field Solutions Division



DP WORLD

is one of the largest marine terminal operators in the world with 48 marine terminals and 13 new developments across 31 countries. Its dedicated, experienced and professional team of more than 30,000 serves customers in some of the most dynamic economies in the world. The company constantly invests in terminal infrastructure, facilities and people, working closely with customers and business partners to provide quality services today and tomorrow, when and where customers need them.

SIGMA Field Solutions division successfully garnered DP World's business for automating their service & maintenance wing for superior & modern means of enhancing their productivity. Sigma installed General Dynamic's Itronix rugged laptops, GO Book VR2 models, enabling DP world technicians to access their service call details and check spare parts availability on their main server while on move through Wireless connectivity .

Based in Spokane, Washington, General Dynamics Itronix is a world-class developer of wireless, rugged computing solutions for mobile workers, offering a full range of field computing systems including laptops, ultra mobile notebook PCs and tablet PCs. GD Itronix serves mobile workers in a variety of markets including public safety, commercial field service, government, military, communications, utilities and transportation.



Jan 2009 :DP World Official inspecting the GoBook VR-2 installed on their Field Vehicles

New Launch - Sokkia LDT520 Laser Digital Theodolite

Sigma proudly announce the launch of LDT520, a new 5" digital theodolite equipped with a telescope with laser beam emission capability, from [Sokkia](#).

Major Improvement over the previous model

- **World's longest laser range**
- **Dust and water protection at the top of its class**
- **Absolute encoders**
- **Longer battery life**
- **Operable in tighter spaces**



New Levelling Laser Products

LP415S Levelling Laser

- Single-grade laser
- 300m working range
- High precision, high speed self-levelling
- Visible red laser
- Compact, lightweight yet rugged
- H.I Alert for extra reliability



Other new series being LP410 and LP415.

For more information, please contact us at marketing@sep.ae or visit our website at www.sigma-epd.com.

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