For 37 years, the International Cement Seminar & Exhibition was one of the most anticipated annual events for the North American cement industry. After an extended hiatus, the show is back for its 38th year.

The 38th International Cement Seminar & Exhibition will be held Nov. 19-21 in Atlanta at the Cobb Galleria Centre. The show is being produced by SEMCO Publishing, the owner of Cement Americas, Rock Products and Concrete Products magazines, all of which are promoting the show.

The theme of the show is Cement Technology and Transformation in 2019.

"With an industry that is facing growing opportunities along with new regulatory and social pressures, the time is right for the return of the International Cement Seminar," said Michael Schoppenhorst, show director. "With a focus on production equipment and technologies, the 2019 event will engage attendees with sessions designed to help them do business more efficiently and safely using the latest equipment and best practices."

Industry Ripe for Growth

The cement industry continues to show promising signs. Shipments of portland and blended cement increased slightly in the first quarter of 2019 compared with the first quarter of 2018, according to the U.S. Geological Survey (USGS) monthly survey of U.S. cement producers.

Total shipments of portland and blended cement, including imports, in the United States and Puerto Rico in March 2019 were 7.3 million metric tons (Mt), a slight decrease from the roughly 7.4 Mt in March 2018, according to the most recent USGS Mineral Industry Survey.

Shipments for the year through March totaled 19.4 Mt, an increase of 2.4% from those for the same period in 2018. The leading producing states for portland and blended cement in March were, in descending order, Texas, California, Missouri, Florida and Alabama.

The leading cement-consuming states (Texas, California, Florida, Georgia and North Carolina) received 46% of the March shipments.

Masonry cement shipments totaled 199,000 metric tons (t) in March, a decrease of 4.0% from those in March 2018. Shipments for the year through March totaled 552,000 t, a slight increase from the prior-year period. The leading masonry cement-consuming states in March were, in descending order, Florida, Texas, California, North Carolina and Georgia; these states received 59% of the March shipments.

Clinker production, excluding Puerto Rico, totaled 5.8 Mt in March 2019, essentially unchanged from the output in March 2018. Production for the year through March totaled 15.7 Mt, an increase of 2.7% from the output for the same period in 2018. The leading clinker-producing states in March 2019 were, in descending order, Texas, California, Missouri, Florida and Pennsylvania; these states accounted for 52% of March production.

Education

The International Cement Seminar & Exhibition will feature an extensive educational program from some of the industry’s key thought leaders.

“This is truly going to be a bellwether event for the construction-materials industry,” said Don Marsh, editor of Concrete Products. “We look forward to seeing our many friends from the cement, ready mixed and aggregates industries in Atlanta.”
SHOW SCHEDULE

Tuesday, November 19, 2019
Exhibits Open 8am
Conference Sessions 9am – 4:30pm
Reception on Show Floor 4:30pm – 6:00pm

Wednesday, November 20, 2019
Exhibits Open 8am
Conference Sessions 9am – 4:00pm
Exhibits Close 5pm
Exhibitor Move Out 5pm – 9pm

Thursday, November 21, 2019
Cement Plant Tour Departure – CGC Entrance 9am
Cement Plant Tour Return – CGC Noon

EVENT SPONSORS

The Organizers of 2019 International Cement Seminar & Exhibition would like to extend thanks to the companies that sponsored and supported the show.

EVENT SPONSORS

PRESENTED BY

MEDIA SPONSORS
## CONFERENCE AT A GLANCE

### TUESDAY, NOV. 19, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Exhibits Open/Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>9:00 – 10:00 a.m.</td>
<td>Keynote Address</td>
</tr>
<tr>
<td>10:00 – 10:30 a.m.</td>
<td>Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>10:30 - 11:30 a.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>LafargeHolcim’s Weirton, W.Va., Cement Plant Modernization Project</td>
</tr>
<tr>
<td></td>
<td>How Automation and Optimization Impact Operations of Trucks Within a Cement Plant</td>
</tr>
<tr>
<td>11:30 a.m. – 1:00 p.m.</td>
<td>Lunch on Show Floor</td>
</tr>
<tr>
<td>1:00 - 2:30 p.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>The Importance of Real-Time Cement Particle Characterization and How It Improves Your Bottom Line</td>
</tr>
<tr>
<td></td>
<td>Safe Conversion to Natural Gas</td>
</tr>
<tr>
<td></td>
<td>Alternative Fuel Handling Systems for Cement Plants</td>
</tr>
<tr>
<td>2:30 – 3:00 p.m.</td>
<td>Afternoon Break on Show Floor</td>
</tr>
<tr>
<td>3:00 - 4:30 p.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>Driving Efficiencies in Cement Plants Leveraging Advanced Logistics and Auto Replenishment</td>
</tr>
<tr>
<td></td>
<td>Applying Computer Vision to Facilities and Vehicle Management</td>
</tr>
<tr>
<td></td>
<td>Make Real-Time Inventory Your Reality</td>
</tr>
<tr>
<td>4:30 – 6:00 p.m.</td>
<td>Reception on Show Floor</td>
</tr>
<tr>
<td>6:00 p.m.</td>
<td>Exhibit Hall Closes</td>
</tr>
</tbody>
</table>

### WEDNESDAY, NOV. 20, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Exhibits Open/Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>9:00 - 10:00 a.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>Tapping Maximal Clinker Output with Natural Gas – Case Study</td>
</tr>
<tr>
<td></td>
<td>Energy Savings and Process Optimization in Cement Production</td>
</tr>
<tr>
<td>10:00 -10:30 a.m.</td>
<td>Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>10:30 a.m. - Noon</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>How to Save Thousands of Dollars on Silo Cleaning Costs</td>
</tr>
<tr>
<td></td>
<td>Optimized Kiln Operation by Keeping Kiln Shell Temperatures at Set Point with Controlled Water Cooling</td>
</tr>
<tr>
<td></td>
<td>Realizing Energy Savings Using a Ceramic Lined Rotary Valve in Place of a Screw Pump</td>
</tr>
<tr>
<td>Noon - 1:00 p.m.</td>
<td>Lunch on Show Floor</td>
</tr>
<tr>
<td>1:00 - 2:30 p.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>MSHA's Enforcement Focus on Structural Integrity at Cement Operations</td>
</tr>
<tr>
<td></td>
<td>High-End MSHA Training: Surviving an Inspection</td>
</tr>
<tr>
<td></td>
<td>Fully Automated Cement Horizontal Storage (FACHS)</td>
</tr>
<tr>
<td>2:30 – 3:00 p.m.</td>
<td>Afternoon Break on Show Floor</td>
</tr>
<tr>
<td>3:00 - 4:00 p.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>Maximizing Conveyor Performance-Industry Standards Versus Real World Application</td>
</tr>
<tr>
<td></td>
<td>The Finish Mill Circuit in a Cement Plant Can Be Optimized by Using an Online PSD Analyzer</td>
</tr>
</tbody>
</table>

### THURSDAY, NOV. 21, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>9:00 a.m. – Noon</td>
<td>Special Tour of Argos USA's Atlanta Grinding Facility</td>
</tr>
</tbody>
</table>

### BONUS CONCRETE/CEMENTITIOUS MATERIALS TRACK

### WEDNESDAY, NOV. 20, 2019

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
</tr>
</thead>
<tbody>
<tr>
<td>8:00 a.m.</td>
<td>Exhibits Open/Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>9:00 - 10:00 a.m.</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>Calcium Carbonate for Performance Concrete</td>
</tr>
<tr>
<td></td>
<td>Concrete + Carbon Dioxide Recycling</td>
</tr>
<tr>
<td>10:00 -10:30 a.m.</td>
<td>Morning Coffee Break on Show Floor</td>
</tr>
<tr>
<td>10:30 a.m. - Noon</td>
<td>Sessions</td>
</tr>
<tr>
<td></td>
<td>Fly Ash Beneficiation: Advanced Methods</td>
</tr>
<tr>
<td></td>
<td>Processing C618 Stock from Impounded Ash</td>
</tr>
</tbody>
</table>
LafargeHolcim’s Weirton, W.Va., Cement Plant Modernization Project
Jared Stull, Head of U.S. Terminals and Adam Cimaroli, Senior Manager, Terminal Projects, LafargeHolcim

LafargeHolcim completed a multi-million-dollar modernization project that restored and expanded a cement terminal at its Weirton, W.Va., facility. The site, which had been inactive for 10 years, will now be used to store and distribute the company’s special well cements for the oil and gas industry in the Appalachian region.

The revitalization included expansion of the site, construction of a new water-based, off-loading facility, and restoration of silos. In the process of revamping the site, LafargeHolcim collaborated with the Army Corps of Engineers, the West Virginia Department of Commerce, the Business Development Corporation of the Northern Panhandle and the local community. In addition, the company worked closely with the West Virginia Department of Environmental Protection and Environmental Protection Agency to assure all operating and environmental permits were in place.

How Automation and Optimization Impact Operations of Trucks Within a Cement Plant
Javier Torres Balaguer, Vidmar

Constantly wishing to improve the quality of service to customers, cement manufacturers are tending to automate truck transit and bulk loading by using flexible self-service systems for dispatching cement from their plants. With an automatic dispatch system, a better service availability may be offered to the customer, as significant improvement will be obtained in terms of waiting times, total flexibility of loading/unloading schedules, truck’s flow optimization and traceability of all the transactions carried out.

The Importance of Real-Time Cement Particle Characterization and How It Improves Your Bottom Line
A.J. DeCenso, Preferred Process Solutions, LLC

Measuring particle size is a key component of the quality control process in any modern cement plant. Consistent particle size helps ensure a high-performance product with reliable cement strength. In this presentation, we will examine how one cement company used an innovative in-process particle size analyzer to automatically extract samples from their process, analyze them in real time and deliver a complete particle size distribution as often as once per second.

Safe Conversion to Natural Gas
Ricardo Costa, FCT Combustion Inc.

In this session, FCT Combustion discusses safe conversion to natural gas. The company is a world leader in optimizing
AMERICAN ROLLER BEARINGS

Products & Services You Can Trust,
From A Company You Can Count On.

Visit Us At Booth #321

MADE IN THE U.S.A.

www.amroll.com
Alternative Fuel Handling Systems for Cement Plants
Brian Giese, BEUMER Group
Cement, and similar compounds, have a particularly energy intensive manufacturing process. Today, more and more operations are seeking new ways to fuel their facility, in an effort to reduce costs and be more environmentally conscious. Operations like these have been able to reduce the use of primary fuels, such as coal and oil, by using various alternative fuels and raw materials such as industry/household waste, biomass and used tires.

This session will introduce the alternative fuel and raw material concept, as well as how to integrate it into the overall facility. Attendees will also have the chance to experience firsthand the successful implementation of an alternative fuel system at Aalborg Portland Cement.

Driving Efficiencies in Cement Plants Leveraging Advanced Logistics and Auto Replenishment
David Boardman, Stockpile Reports
The implications that stockpiles have on your financials and business operations are critical ones. This session will help attendees blend the best of advanced software with the intelligence of experienced humans. Learn about no-touch inventory management. Thousands of customers are regularly managing their inventory with drones or an iPhone app. Based on the automation and intelligence built into the system discussed, inventories are happening faster, more consistently, everywhere, resulting in fewer write-offs and swift resolutions with customers, auditors and accountants. Tens of thousands of verified reports are shared every year between: measurers, managers, operations, and finance, all working together around in-depth reports and common goals.

Applying Computer Vision to Facilities and Vehicle Management
Anthony Tarantino PhD, Atollogy Inc., USA
Atollogy leverages sensors, computer vision and artificial intelligence to improve operational efficiency, process adherence, and safety for the bulk materials industry. Customers can save up to 17% in cycle time within the first 10 weeks of implementing these solutions. This session will help attendees discover:
• Ability to truly understand the activities of trucks in the yard, regardless of truck ownership.
• Alert on safety hazards & breaches to comply with regulatory requirements.
• Facts to operators to make on the spot improvements to customer experience.
• Deep analytics to support objective sales positioning.
• Actionable insights on process/flow changes in facility.

Make Real-Time Inventory Your Reality
Mike Mossage, Regional Vice President, Eastern U.S., BinMaster
Technology advancements have transformed measuring and monitoring inventory of cement, aggregates and sand. Non-contact sensors don’t interfere with equipment and are reliable in dusty conditions. Advancements in radar technology allow sensors to track filling and emptying for process control. Accurate volume in irregularly piled materials and large vessels is possible using 3D level sensing technology. Software and cloud-based applications enable monitoring multiple vessels and locations from your smartphone, tablet, or PC. Inventory valuation for financial reporting can be generated with confidence. Learn about the newest solutions and how they can make your operations more efficient.

Tapping Maximal Clinker Output with Natural Gas – Case Study
Josef Keuschnigg, PM Technologies GmbH, Austria
Many cement plants have installed some Dry Sorbent Injection (DSI) and Activated Carbon Injection (ACI) for SO2, HCl, mercury abatement. The principles and technologies are well known however many of those systems are not optimized or require too much maintenance, both costly for the cement plant. STM EcoSystems offers simpler but permanent and optimized systems, using several sorbents from hydrated lime to Trona. One key feature of those systems is the very large turn-down ratio. Many plant permits require the system to operate all the time, even when the emissions are low and the system is not needed. Even poorly designed injection lances can result in double the theoretical consumption; lance size [injection velocity], location, position in regards to the duct, angle in relation with the flue gas flow, number of lances are all parameters that need to be taken into consideration for an optimum system design.

Energy Savings and Process Optimization in Cement Production
Udo Enderle, Managing Director, NETZSCH
Processing of industrial minerals and cement demands energy efficient technologies to minimize energy consumptions for both, size reduction and material transport. During the last years several efforts were made by NETZSCH to improve the performance of its horizontal bead mill Pamir in collaboration with Hacettepe University for grinding fly ash and cement by optimizing the material transport in the mill. The solutions found in pilot scale are being discussed and more results from production by using a Pamir 1000 are presented.

WEDNESDAY, NOV. 20, 2019

9:00 - 10:00 a.m. Sessions

Tapping Maximal Clinker Output with Natural Gas – Case Study
Josef Keuschnigg, PM Technologies GmbH, Austria
Many cement plants have installed some Dry Sorbent Injection (DSI) and Activated Carbon Injection (ACI) for SO2, HCl, mercury abatement. The principles and technologies are well known however many of those systems are not optimized or require too much maintenance, both costly for the cement plant. STM EcoSystems offers simpler but permanent and optimized systems, using several sorbents from hydrated lime to Trona. One key feature of those systems is the very large turn-down ratio. Many plant permits require the system to operate all the time, even when the emissions are low and the system is not needed. Even poorly designed injection lances can result in double the theoretical consumption; lance size [injection velocity], location, position in regards to the duct, angle in relation with the flue gas flow, number of lances are all parameters that need to be taken into consideration for an optimum system design.

Energy Savings and Process Optimization in Cement Production
Udo Enderle, Managing Director, NETZSCH
Processing of industrial minerals and cement demands energy efficient technologies to minimize energy consumptions for both, size reduction and material transport. During the last years several efforts were made by NETZSCH to improve the performance of its horizontal bead mill Pamir in collaboration with Hacettepe University for grinding fly ash and cement by optimizing the material transport in the mill. The solutions found in pilot scale are being discussed and more results from production by using a Pamir 1000 are presented.

10:00 - 10:30 a.m. – Morning Coffee Break on Show Floor
10:30 a.m. - Noon Sessions

How to Save Thousands of Dollars on Silo Cleaning Costs
Dennis Blauser, Marietta Silos
In this presentation, attendees will learn how to economi- 
cally construct a storage silo; keep silos operating efficiently; 
lower or eliminate silo cleaning costs; keep silos structurally 
sound and personnel safe; and lower silo operational costs. 
Marietta Silos is the largest concrete silo repair company in 
the United States.

Optimized Kiln Operation by Keeping Kiln Shell 
Temperatures at Set Point with Controlled Water 
Cooling
Heinz Knoppel and Dirk Schmidt, Director, KIMA Process Control
Increasingly powerful and sophisticated kiln-firing process 
conditions make it necessary to cool the kiln shell in order 
to protect the refractory material and the steel body from 
overheating and wear. Traditionally the cooling is done with 
high performance blowers and only a few plants in the world 
are actually working more or less successfully with cooling by 
water evaporation. In 2014, a team consisting of the VDZ and 
a cement manufacturer decided to conduct an experiment in 
measurement and control technologies. The aim was to 
develop an efficient cooling system with the medium of water. 
The goal was to determine at first how much water is needed 
to produce not an equivalent cooling effect as achieved with a 
conventional cooling fan. This presentation reveals the results.

Realizing Energy Savings Using a Ceramic Lined 
Rotary Valve in Place of a Screw Pump
Keith E. Kressley, Product Development Manager, Coperion and Coperion 
K-Tron Components
Energy saving is becoming a more and more important topic in 
the cement industry. The air supply (screw compressor) and the 
material feeding device into a pneumatic conveying line are the 
highest energy consumers of a pneumatic conveying system. 
For many decades the screw pump was the most frequently 
used material–feeding system, but screw pumps require ex-
tremely high electrical power. Looking on this disadvantage of 
the existing technology, Coperion has adapted the well-known 
technology of rotary valves for the high wear application in 
the cement industry. This technology saves more than 95% of 
power compared to the screw pump.

Noon – 1:00 p.m. Lunch on Show Floor

1:00 - 2:30 p.m. Sessions

MSHA’s Enforcement Focus on Structural Integrity at 
Cement Operations
Bill Doran, Attorney-At-Law, Ogletree Deakins
As a result of high profile accidents around the country involv- 
ing structural failures, MSHA has placed a greater emphasis in 
its inspections on evaluating the structural integrity of silos, 
bins, buildings and conveyors. This has had a particular impact 
on cement plants. These enforcement evaluations tend to fol-
low a familiar pattern beginning with general observations and 
concerns by inspectors, demands for third party examination, 
and moving to comprehensive analyses by MSHA technical 
support engineers. These issues can be difficult to resolve and 
often include requests for internal documents, allegations of 
unwarrantable failure and failure to timely abate. This presen-
tation will discuss recent cases and offer some insight into how 
to effectively navigate the pitfalls that can arise.

High-End MSHA Training: Surviving an Inspection
Brian Bigley, Safety Manager, Cemex
This is a high level overview of the key components of an MSHA 
inspection, and your role as an attendee. It will serve as a quick 
introductory primer for people who might have to go on, or man-
age an MSHA inspection, as well as a refresher for those that 
do them frequently. It includes discussions of your rights your 
company’s rights, and miner’s rights and responsibilities. We will 
cover handling document requests, timely manner requests, the 
walk-around, and common problems that can arise during an 
inspection, along with advice on handling each aspect.

Fully Automated Cement Horizontal Storage (FACHS)
Luis Sucre, Technical & Commercial Director, 
Infotechnik – Industrial Services
The Fully Automated Cement Horizontal Storage (FACHS) has 
been conceived with the intention of storing large amount of 
cement on horizontal warehouses. This innovative system 
allows to use existing warehouses and enclosures on ports 
and cement plants, avoiding the expensive construction of 
either vertical concrete or steel silos. The operation of the 
FACHS, from the stacking of cement up to the reclaiming and 
dispatching of the product is completely automatic, requiring 
a minimum of personnel to operate the facility. All the equip-
ment employed for the operation of the FACHS is Taylor-Made 
and can be easily adapted to any specific site condition. The 
dimensions and capacity of all the main FACHS’ components 
depend on the available space, dimensions of the existing 
building, the required amount of product to be stored, and the 
required dispatch capacity.

2:30 – 3:00 p.m. Afternoon Break on Show Floor

3:00 - 4:00 p.m. Sessions

Maximizing Conveyor Performance–Industry 
Standards Versus Real World Application
Mike Cremeens, VP Training & Technical Support, Shaw Almex Industries, 
and Dick McConnell, National Account/OEM Manager for Flexco
Contrasting industry standards with real-world applications, at-
tendees of this session will learn about conveyor belt construc-
tion, operational forces, transition distances, tracking issues 
and other performance influences. This interactive presentation 
will provide the information necessary to better understand 
and troubleshoot real world belt conveyor performance issues. 
Both U.S. standards and International nomenclature will be 
covered.

1. Learn how conveyor belt construction and quality is 
designed to operate on a conveyor structure.
2. Understand rated tension versus operating tension and 
how to calculate both.
3. Know how to diagnose and resolve transition distance 
violations.
4. Conveyor belt splices both mechanical and vulcanized.

The Finish Mill Circuit in a Cement Plant Can Be 
Optimized by Using an Online PSD Analyzer
Jeff DeNigris, Sensors & Automation – Product Manager, NAM, 
Malvern Panalytical
The finish mill circuit in a cement plant can be optimized by 
using an online PSD analyzer. Knowing the real-time PSD from 
the mill can provide the means to reduce over grinding and 
the heavy cost of energy it causes. When the fines fraction 
(<32μm) increases above set limits, costly overgrinding is 
beginning to impact energy consumption and may also cause 
curing problems through rapid hydration. Likewise, an increase
of the course fraction may cause incomplete hydration and early strength results may suffer. This talk will give an overview and practical examples of how an integrated on-line analysis of PSD at the finish mill can provide real time data to improve process performance and efficiency.

THURSDAY, NOV. 21, 2019

Special Tour of Argos USA’s Atlanta Grinding Facility
Located in the heart of Atlanta, along the Chattahoochee River, the Argos Atlanta Cement Plant was built in 1962 with its first production following in 1963 with one kiln and one mill. After five years, a second kiln and mill were added and would produce for the Atlanta plant for the next 38 years.

In 2006, kiln operations ceased as a result of environmental emissions. Despite no longer producing clinker, the Atlanta cement plant is a unique asset within the Argos U.S. operations, since it hosts the company’s color lab and color blending operation, as well as its grinding capabilities.

In addition, the plant has the logistical capability to receive materials and ship to Argos’ customers by rail or truck. The plant employs 40 active, non-union employees with an average of more than 22 years of service who are highly dedicated to supporting Argos’ values of safety, community engagement and environmental responsibility.

BONUS CONCRETE/CEMENTITIOUS MATERIALS TRACK

WEDNESDAY, NOV. 20, 2019

8:00 a.m. Exhibits Open –
Morning Coffee Break on Show Floor

9:00 - 10:00 a.m. Sessions

Calcium Carbonate for Performance Concrete
Bobby Bergman, Technical Service Chemist, Huber Carbonates LLC, Atlanta
Ground Calcium Carbonate is used in products you come in contact everyday from the carpet you walk on, paint on the walls, the cushion in your seat, the plastic in your computer, to the dashboard in your car. So why not in concrete mixtures?

GCC may be new to the US market, but it has been widely used in concrete throughout Canada and Europe. ASTM and ACI have guidance documents that help the consumer know what properties make GCC acceptable for use in concrete and factors to consider when adjusting mix proportions. For example, a wide variety of available particle sizes allows the mix designer to take full advantage of particle packing to ensure the best performance and finished product. Lastly ground calcium carbonate is a naturally mined material that is available every day from stable and mature manufacturers.

Concrete + Carbon Dioxide Recycling
Justin Lazenby, Thomas Concrete Inc., Atlanta; and
Eric Dunford, Director of Sustainability, CarbonCure Technologies
Fly ash has been the most widely used SCM in concrete for decades. For this reason regional supply shortages in recent years have driven a growing interest in fly ash beneficiation technologies. These technologies are aimed at either improving the quality and marketability of fly ash that had previously gone unused, or to maintain the quality of fly ash that is currently sold from coal-burning power plants. While there are several off-the-shelf technologies with which to beneficiate fly ash, such as air-classifiers and mills, there are others that have been developed specifically to improve or correct certain fly ash characteristics. This presentation will give an overview of both off-the-shelf and state-of-art fly ash beneficiation technologies, as well as discuss how these technologies improve the performance of fly ash in concrete.

10:00 -10:30 a.m. ~ Morning Coffee Break on Show Floor

10:30 a.m. - Noon Sessions

Fly Ash Beneficiation: Advanced Methods
Ivan Diaz, Director of Research, Boral Resources
Fly ash has been the most widely used SCM in concrete for decades. For this reason regional supply shortages in recent years have driven a growing interest in fly ash beneficiative technologies. These technologies are aimed at either improving the quality and marketability of fly ash that had previously gone unused, or to maintain the quality of fly ash that is currently sold from coal-burning power plants. While there are several off-the-shelf technologies with which to beneficiate fly ash, such as air-classifiers and mills, there are others that have been developed specifically to improve or correct certain fly ash characteristics. This presentation will give an overview of both off-the-shelf and state-of-art fly ash beneficiation technologies, as well as discuss how these technologies improve the performance of fly ash in concrete.

Processing C618 Stock from Impounded Ash
Ross Gorman, Fly Ash Sales
The ongoing decline of coal utilization for energy production has resulted in a limited supply of fly ash that meets ASTM C618 requirements for use in concrete. Also, utilities nationwide are facing increasing environmental, legislative, and public pressure due to legacy coal ash impoundments. In order to meet growing market demands for specification grade fly ash, and mitigate environmental risk, harvesting of impounded fly ash for beneficial use is becoming an increasingly viable solution.

The SEFA Group, a long-time leader in the fly ash utilization industry, developed its proprietary STAR® Technology to meet customer demand for an ample supply of quality fly ash on a continual basis. This thermal beneficiation technology transforms harvested fly ash into STAR Ash, a consistent, high-quality pozzolan that meets ASTM C618 requirements for use in concrete. STAR Technology has been successfully used to beneficiate over 1 million tons of impounded coal ash at Santee Cooper’s Winyah Generating Station, and three more STAR Plants in construction in North Carolina will process only impounded material.

This presentation will give background information on harvesting of impounded coal ash, discuss SEFA’s STAR technology, and show a case study of how SEFA is utilizing STAR technology to transform impounded coal ash into a material that meets ASTM C618 standards.

8
SMARTFILL™ & MILLMASTER

GRINDING OPTIMIZATION USING FILL LEVEL MEASUREMENT
- increased production
- improved product fineness
- higher energy efficiency
- less wear out

KILNCOOLER

PRECISE CONTROLLED WATER COOLING OF KILN SHELL
- expansion of kiln’s operation time
- reduced mechanical tension
- energy savings

KIMA Process Control GmbH
Guestener Str. 72 / 52428 Juelich / Germany / Phone: +49 2463 9967 0

For further information please visit www.kima-process.de
Bobby Bergman  
**Sr. Technical Service Chemist, Huber Carbonates, LLC**

Bobby is the senior technical service chemist for Huber Carbonates, LLC located in Atlanta. Bobby utilizes his bachelor’s degree in chemistry from Berry College in the study of mineral fillers and supplementary cementitious materials in concrete mixtures. Bobby is actively involved in ASTM concrete material sub-committees and ACI committee on concrete proportioning.

---

Brian Bigley  
**Safety Manager, Cemex**

Brian Bigley has been working in the safety field since 1988, having gone on his first MSHA inspection in December of that year. Over the intervening decades, he has worked in the mining, construction and manufacturing industries, as a safety manager and emergency response coordinator. During that time, he has had the opportunity to work with multiple safety organizations including United Safety Associates, CalCIMA, and PCA, and through them, multiple alliances with MSHA (and other regulatory organizations). Brian has taught safety classes and seminars at conferences, colleges and universities. He has been on hundreds of MSHA inspections, and can attest: every one of them is different.

---

Dennis Blauser  
**CEO, Marietta Group**

Dennis Blauser is the CEO of Marietta Group, which includes Marietta Silos, Inc., Marietta Inspection Services, and USA Silo Service. Marietta Group has spent over a century meeting the needs of industry professionals and is the only silo contractor in the nation that provides engineering, design, construction, inspection and repair services in addition to silo and bin cleaning.

Dennis has spent most of his professional career in silo development. His work ranges from field labor and construction supervision to project management, quality control, logistics and administration. His expertise is based on a combination of years of on-the-job experience and an academic background in environmental economics from Wright State University in Dayton, Ohio.

His contributions to the concrete silo industry include:
- Member, ACI 313 Silo Design Committee
- Past Board Chairman, Precast Concrete Institute, Central Region
- Past Member, PC-21 Management Change Initiative
- Past Member, Prestressed Concrete Institute, Erectors Committee
David Boardman  
Chief Executive Officer, Stockpile Reports  
David Boardman drives the overall strategic vision and 3D product definition for URC Ventures with Stockpile Reports as the first commercial venture. He brings over 18 years of software innovation and global application and deployment experience in the technology sector as a seasoned entrepreneur and Fortune 100 executive. David led the strategic vision and product strategy for big data analytics and Wi-Fi content management services companies. In 2003, he launched the Mobile Media Consortium to develop ground breaking research for real-world mobile applications. David Boardman sits on the Board of Directors for Open Perception, focused on advancing the development and adoption of BSD-licensed open source software for 2D and 3D processing of sensory data. David leads the team with a no-nonsense, real-world experience management style. In the November 2013 Washington Aggregates Association Keynote, David was famously quoted as forecasting widespread digitization: “Within 10 years every square centimeter of an aggregates operation will be modeled accurately in 3D and tracked every minute of every day.”

Adam Cimaroli  
Director, Supply Chain Performance, US Cement at LafargeHolcim  
Adam Cimaroli is currently the Director of Supply Chain Performance for the US Cement division. In this role, he manages all US transportation equipment and oversees operational and capital expenditures for this division. Adam started his tenure in 2001 as a project manager with Mineral Solutions Inc. Since then, he has implemented projects for LafargeHolcim throughout North and South America involving terminals, plants, quarries and acquisition activities. He has expertise in engineering, project management and financial decision making.

Michael Cremeens  
VP Training & Technical Support, Shaw Almex Industries  
Mike works for Shaw Almex Industries, Atlanta, Ga. In his role as VP Training & Technical Support he does many conveyor belt training sessions each year for service companies and global mining operations. Mike brings 40 years of experience in the industry and has led many well-attended multi-day technical training sessions in more than 25 countries and instructed more than 5,000 people. Mike has authored numerous papers for industry publications and speaks at private and public industry gatherings. Mike is the pass Chair of the NIBA Edu/Tech Committee (National Industrial Belting Association).

A.J. DeCenso  
President, Preferred Process Solutions, LLC  
A.J. DeCenso is President of Preferred Process Solutions, LLC. A.J. has over 25 years of experience in mineral processing. He has published numerous papers, conducted seminars throughout the world and holds multiple patents. A.J. has a BSME from Tufts University and an MBA from Xavier University.
Ivan Diaz
Director of Research, Boral Resources

Ivan Diaz is Director of Research at Boral Resources, Taylorsville, GA. He holds a PhD in Materials Engineering and Construction Systems from Louisiana Tech University and has more than 10 years of experience in fly ash research. He is the secretary of ACI Committee 232. Fly Ash in Concrete and is a member of Committees 240, Natural Pozzolans, 236, Material Science of Concrete and 242, Alternative Cements. He is also a member of ASTM Committees C 01 on Cement and C09 on Concrete and Aggregates. His research interests include fly ash reactivity in concrete, alternative supplementary cementitious materials and identifying and developing processes to beneficially use coal combustion products.

Jeff DeNigris
Product Manager–Process Automation Solutions, Malvern Panalytical

Experienced Sales and Product Manager with a demonstrated history of working in manufacturing industries; everything from Pharmaceuticals to Cement. Current efforts include working towards enabling process optimization and supporting the future IIoT paradigm.

Bill Doran
Attorney-at-Law, Ogletree Deakins

Bill Doran’s practice is concentrated in safety and health law and litigation. Bill represents and advises companies with respect to issues arising under Federal and State Safety and Health Statutes. He represents companies in accident investigations, special investigations, audits and discrimination investigations conducted by OSHA, MSHA, and state agencies. He also represents companies in litigation before the Occupational Safety and Health Review Commission, the Federal Mine Safety and Health Review Commission and the federal courts. He also advises and represents companies and trade associations on local and national issues within the purview of federal agency administrators.

Bill speaks and writes frequently on a variety of occupational safety topics. Most recently, he co-authored the “General Duty Clause” chapters of the first and second editions of Occupational Safety and Health Law Handbook, published by Government Institutes. He also authored an article entitled, “Vicarious Liability of Mine Operators for Independent Contractors’ Violations” for the University of Kentucky’s Journal of Natural Resources and Environmental Law. Articles recently published in American Corporate Counsel Lexology include: “MSHA District Manager Asserts Competent Person Performing Workplace Exams Are Agents of the Operators” [June 2014].

Udo Enderle
Managing Director, NETZSCH Group

Brian Geise
Director of Business Development, Conveying & Loading, BEUMER Corp.

Brian has more than 25 years of experience in the material handling industry, with a primary focus on bulk material conveying. His expertise encompasses a broad range of conveying solutions, including long distance and high capacity systems, high lifts, difficult materials and complex layouts. Brian’s global experience across a variety of industries has provided him with the ability to develop solutions to challenges across the project lifecycle.

Ross Gorman, P.E.
Manager of Technical Services at The SEFA Group

Ross Gorman, P.E., is Manager of Technical Services at The SEFA Group based in Lexington, S.C. Ross has bachelor’s and master’s degrees in mechanical engineering from Clemson University. He manages research and development for The SEFA Group and is currently a Ph.D. candidate in mechanical engineering at the University of South Carolina, specializing in thermal fluid sciences.

Josef Keuschnigg
Diplom Engineer, General Manager, PM Technologies GmbH, Austria

Josef Keuschnigg comes from a family-owned engineering company for cement plants and their process solutions, upgrades for pre-heater, calciner and grinding, offering the finest solutions. PMT was founded by Josef Keuschnigg senior, a former division leader of Austrian’s Voest Alpine Cement (former cement plant producer). As partner of the European expert pool Cement Alliance Josef also is an interesting accessory for any discussion around the cement plant.

Keith Kressley
Product Develop Manager, Coperion and Coperion K-Tron Components

Keith is Product Develop Manager for Coperion and Coperion K-Tron Components. He has been with Coperion K-Tron for 30 years and within that time has also held the position of General Manager for the division of K-Tron Electronics. Currently he is responsible for growing the company’s component business in the Americas. Keith earned his BS in Physics Engineering with a minor in Microelectronics from Rutgers University and MBA from Rowan University.

Justin Lazenby
Georgia Manager of Technical Services, Thomas Concrete

As Georgia Manager of Technical Services at Thomas Concrete, Justin Lazenby has been a driving force behind the company’s rapid adoption of the CarbonCure Technology, which has reduced Thomas
Concrete’s carbon footprint by 50 million pounds of CO2 over three years, and has inspired an industry-wide movement to standardize the use of recycled CO2 in concrete production.

The innovative and award-winning CarbonCure Technology introduces carbon dioxide (CO2) captured from industrial emitters into fresh concrete, where the recycled CO2 becomes chemically converted to a mineral. The CO2 mineralization process improves the compressive strength of the concrete, which enables concrete mix optimization, and ultimately results in significant reductions to the concrete’s carbon footprint.

Thomas Concrete was a very early adopter of the CarbonCure Technology, installing the technology at its Doraville, Ga., plant in February of 2016. The Doraville plant was only the third ready mix concrete plant in the world to install the CarbonCure Technology at that time. Justin was an integral member of the team that verified the technology’s performance and optimized the concrete mix designs. In the three years since, the CarbonCure Technology has been installed at an additional 24 Thomas Concrete plants.

In addition to managing concrete testing, Justin collaborated with local engineers and specifiers to incorporate the CO2 mineralization process with optimized mix designs into building project specifications. As an ACI Board of Directors member since 2014 [Justin currently holds the position of Georgia Chapter ACI President], Justin has developed a strong network within the construction industry and has established a reputation as a trusted industry advisor for concrete technical subject matter.

Dick McConnel
National Account/OEM Manager for Flexco
With over 30 years of experience in the industry, Dick McConnell combines understanding conveyor operation with the aptitude to engage attendees in training environments. Throughout years troubleshooting conveyor performance in all manner of industries, he’s developed a basis for understanding big picture belt operations. From field training on job sites to creating and presenting conveyor performance training on a national level, the focus is keeping the class on topic and interactive.

Dick is currently National Account/OEM Manager for Flexco focused on conveyor projects throughout North America and beyond. He is active with industry trade organizations such as National Industrial Belting Association (former HD Sub-Chair, current Training Coordinator), National Stone Sand and Gravel Association (Material and Services Board Member) and active with Conveyor Equipment Manufacturers Association.

Mike Mossage
Vice President of Sales, Eastern Region, BinMaster Level Controls
Mike Mossage is the vice president of sales for the Eastern Region at BinMaster Level Controls. Mike received his BBA in Marketing from the University of Iowa in Iowa City and has worked as an industrial sales specialist for the plastics and industrial equipment manufacturing industries. As a regional
vice president at BinMaster, he has consulted with hundreds of the company's bulk solids customers on their most challenging bin inventory management needs. Mike can be found at any type of facility that has a bin, tank or silo and travels the eastern region working with ethanol, cement, coal, limestone, grain, food, chemical, pharmaceutical and power plants. He is also the 3D product specialist at BinMaster, working closely with the 3D product development and engineering team to bring the latest technology to market. Mike has been with BinMaster and its parent company, Garner Industries for over 17 years.

**Dirk Schmidt**  
*Optimization, Process Automation, KIMA Process Control GmbH*

**Jared Stull**  
*Director, US Terminal Operations, US Cement at LafargeHolcim*  
As director of US Terminal Operations, Jared Stull oversees operations for more than 100 cement distribution sites across the United States. In 2002, Jared joined LafargeHolcim as an engineer at the Alpena cement plant in Michigan. Since this time, he has held multiple positions with increasing responsibility at the company. Jared holds a bachelor’s degree in mechanical engineering from Michigan Technological University, and a Master of Business Administration from the University of Michigan.

**Luis Sucre**  
*Technical & Commercial Director, InTechnik – Industrial Services*

Luis Sucre is a Naval Engineer with more than 35 years of experience in the material handling, oil and gas, as well as port and marine industries. Through his professional career, Luis has held different Managerial and Field positions, working with major multinational companies in Latin America, the United States and Europe. Currently Luis occupies the position of Technical & Commercial Director of InTechnik – Industrial Services, a company based in Dallas, Texas focused on developing projects and solutions for the material handling industry, cement plants, marine terminals and mining facilities.

**Ed Sullivan**  
*Chief Economist and Senior Vice President of Market Intelligence, Portland Cement Association*  
Edward Sullivan is Chief Economist and Senior Vice President of Market Intelligence for PCA. He directs all PCA's forward market assessments that support the industry's planning efforts and market research. Ed's analysis and views regarding the construction, cement and concrete industries is widely used in corporate planning efforts, the financial industry, and media. Ed's analysis also supports the cement industry's advocacy efforts in Washington, D.C. and to this end has testified before Congress.

Ed has been cited by the Chicago Federal Reserve as the most accurate forecaster among 30 top economists. Various other forecasting surveys have placed Ed among the most accurate construction economists in the country. Over the years, Ed has been named a “key influencer” in the domestic and international cement and concrete industry by various trade magazines. Ed is often sought as a keynote speaker at various industry events throughout the year.

Ed has more than 30 years of industrial economic analysis in support of senior executives and has played an important role in several U.S. Government automotive trade policy decisions. In the past, Ed has held the position of Vice President at Chase Manhattan Bank Economics, Standard & Poor’s, and Wharton Economics where he worked with Nobel Laureate Lawrence Klein. His background also includes positions as a senior intelligence officer at the Central Intelligence Agency, where he was awarded a commendation from Bob Gates (then Deputy Director of Intelligence and later Secretary of Defense). He was also an economist within the Office of Senator Edward M. Kennedy.

Ed has taught economics at St. Joseph’s and Villanova Universities in Philadelphia, Fairfield University in Connecticut, as well as Columbia and Fordham Universities in New York City.

**Anthony Tarantino**  
*Senior Advisor, Atollogy*

Anthony Tarantino has over 35 years of operations and manufacturing experience. His first 15 years were in the discrete manufacturing industry spanning a variety of supply chain and factory operation roles. The last 20 years have been in senior consulting roles for KPMG Consulting/BearingPoint, IBM, and Cisco.

For the last 10 years he has also taught risk management in both Finance and Supply Chain at Santa Clara University based on his five professional business texts for John Wiley & Sons. His books include: “The Essentials of Risk Management in Finance,” “The Managers Guide to Compliance,” and “The GRC Handbook.” He has also published over 20 business and academic articles.

He holds a Six Sigma Master Black Belt from the Harrington Institute and is a Recognized Master Black Belt by Cisco Systems. He is also a Certified Scrum Master by the Agile Alliance, as well as APICS and ISM certifications in supply chain. He began his Lean training in 1986 and lead two dozen Lean Six Sigma (continuous improvement) projects over a seven year period with Cisco Systems.

For the last two years he has been in leadership role with Atollogy (www.Atollogy.com), a high tech startup headquartered in Santa Clara, CA. up, Atollogy is creating cutting-edge computer vision and artificial intelligence applications for a wide variety of industrial applications, including, factory floors, commercial airport ground operations, truck terminals, and rock quarries.

**Javier Torres Balaguer**  
*Sales Engineer, VIDMAR GROUP*
Find What You Need in the Rock Products Connection

Whether you’re looking for equipment, services, or wear parts, our platform will help you find what you’re looking for!

General search engines like Google can give you thousands of search results that have nothing to do with your industry. The Rock Products Connection gives you the kind of focused results that help you find exactly what you need. Every time. Since our directory deals exclusively in companies related to the aggregates industry, you’re going to find the folks who can provide you with the services, spare parts, and equipment that you need to keep your operation up and running.

Visit us online today to see for yourself!

WWW.ROCKPRODUCTSCONNECTION.COM

Brought to you by Rock Products.
A subsidiary of The Braime Group, 4B Components is one of the largest suppliers of material handling components in the world providing engineered excellence since 1888. With subsidiaries in Europe, America and Asia and a worldwide network of distributors, 4B can provide practical solutions for subsidiaries in Europe, America and Asia and a worldwide

A true team approach to every opportunity we undertake. The AMH team specializes in the manufacture and sale of conveyor or chains, sprocket, customs castings and turnkey conveyor systems. We are continually developing new products while developing creative solutions and constructing high quality products to meet each customer's unique requirements. Please visit us at booth 307 at the 2019 International Cement Seminar & Exhibition!

AirTek Construction is a leading provider of annual maintenance mechanical repair services, inspections, parts supply, and engineered solutions on precipitators, baghouses, fans, conveyors, mechanical dust collectors, duct work, dampers, expansion joints, and other general mechanical repairs. AirTek is based out of Troy, Ala., with construction and field service personnel spread out around the Southeast to service our customers. AirTek also offers fan balancing and vibration analysis services. Please take a minute to stop by our booth to discuss our capabilities further.

American Hofmann Corporation

When balance matters, customers come to Hofmann for intelligent solutions. With innovative equipment like the AB 9000 active balancing system, Hofmann decreases downtime and prevents expensive production losses. The AB 9000 automatically corrects fan vibration caused by wear and buildup without interrupting production. Hofmann also offers a full range of manual and automatic balancing moment scales and measuring systems for aerospace, power gen, automotive, medical and other industries. With manufacturing facilities in the USA and Germany and service teams worldwide, we provide the high level of global support to keep your balancing and measuring systems precise and operational.

American Roller Bearing

American Roller Bearing Company is a leading manufacturer of quality Anti-Friction Bearings in the industrial markets we serve. We specialize in heavy-duty aggregate applications. All bearings we manufacture are made at one of our three locations in North Carolina and are 100% made in the USA.

AirStream Systems Inc

AirStream Systems is a fan engineering and supply company specializing in technically innovative solutions for industrial fan upgrades with a focus on improved performance, increased efficiency, reduced wear and build-up rates. AirStream supplies fans that operate continuously at temperatures up to 500°C, and sizes up to 4 metres in diameter.

AirTek Construction, Inc.

AirTek Construction is a leading provider of annual maintenance mechanical repair services, inspections, parts supply, and engineered solutions on precipitators, baghouses, fans, conveyors, mechanical dust collectors, duct work, dampers, expansion joints, and other general mechanical repairs. AirTek is based out of Troy, Ala., with construction and field service personnel spread out around the Southeast to service our customers. AirTek also offers fan balancing and vibration analysis services. Please take a minute to stop by our booth to discuss our capabilities further.

American Hofmann Corporation

When balance matters, customers come to Hofmann for intelligent solutions. With innovative equipment like the AB 9000 active balancing system, Hofmann decreases downtime and prevents expensive production losses. The AB 9000 automatically corrects fan vibration caused by wear and buildup without interrupting production. Hofmann also offers a full range of manual and automatic balancing moment scales and measuring systems for aerospace, power gen, automotive, medical and other industries. With manufacturing facilities in the USA and Germany and service teams worldwide, we provide the high level of global support to keep your balancing and measuring systems precise and operational.

American Roller Bearing

American Roller Bearing Company is a leading manufacturer of quality Anti-Friction Bearings in the industrial markets we serve. We specialize in heavy-duty aggregate applications. All bearings we manufacture are made at one of our three locations in North Carolina and are 100% made in the USA.

AirStream Systems Inc

AirStream Systems is a fan engineering and supply company specializing in technically innovative solutions for industrial fan upgrades with a focus on improved performance, increased efficiency, reduced wear and build-up rates. AirStream supplies fans that operate continuously at temperatures up to 500°C, and sizes up to 4 metres in diameter.

AirTek Construction, Inc.

AirTek Construction is a leading provider of annual maintenance mechanical repair services, inspections, parts supply, and engineered solutions on precipitators, baghouses, fans, conveyors, mechanical dust collectors, duct work, dampers, expansion joints, and other general mechanical repairs. AirTek is based out of Troy, Ala., with construction and field service personnel spread out around the Southeast to service our customers. AirTek also offers fan balancing and vibration analysis services. Please take a minute to stop by our booth to discuss our capabilities further.
Atollogy: Smarter Operations Start Here! Atollogy helps you competitively thrive in today’s smart operations era by leveraging the technologies of the Internet of Things (IoT), and Artificial Intelligence (AI) to improve operational efficiency, safety and speed. Easily installed monitoring devices capture the interactions of your product, people, and equipment. With this information, your team can see issues as they occur and fix problems before they impact productivity. Identify opportunities to increase speed, improve efficiency and increase profits.

AUMUND Corporation

The AUMUND Group is internationally positioned and specialized in the transport and storage of various bulk materials for cement and other heavy process industries worldwide. In addition to the Group headquarters in Germany, the global business is managed by a total of ten sales locations in Asia, Europe, Americas and supported by five service centers in Germany, Hong Kong, the USA, Brazil and Saudi Arabia. AUMUND Corporation, based in Atlanta is the regional service center covering North and Central America. AUMUND Corporation provides engineering, project management, sales and service for all AUMUND products.

(770) 590 3800, sales@aumundusa.com, www.aumund.com

Benetech

Benetech is a global leader in comprehensive, performance-based material handling solutions that mitigate airborne dust and ensure a safe and efficient operation. Benetech has the planning, engineering, operating experience and turnkey capabilities to manage all of your bulk material handling needs. We specialize in integrating the right tools for the right solutions that reduce dust, prevent spillage and improve material flow. Tools in our tool box include: Dust Suppression, Engineered Transfer Systems, Wash Down Systems; Wet Dust Extraction, Dust Collection and Containment, Belt Cleaners, Modular Skirt Board Systems, Belt Support, Conveyor Components, Assessments, and Engineering Services.

(630) 844 1300, schurmans@benetechusa.com, www.benetechglobal.com

Bayliss Machine & Welding

We are located in Birmingham, Ala., and have been providing repair services to industrial clients since 1935. Supported by our modern well-equipped machine shop and field mechanical services, we can support any equipment repairs. Our focus is on the Cement Industry.

(205) 323 6121, mikescott@baylissmachine.com, www.baylissmachine.com

Axians Industrial Applications & Services GmbH

Our core business is and remains in the development of process-oriented logistic solutions for the bulk goods and raw materials sector worldwide. Our industry proven VAS® system, with all its existing and future modules, covers the areas of yard management, automation and digitalization. VAS® allows industrial plants to carry out advanced truck planning and automated truck dispatch on a 24/7 basis, including features for mobile applications to integrate further parties within the supply chain. In particular, we specialize and concentrate on our software, including all related services, hardware and software components, business process consulting, project management and maintenance.

(802) 558 5508, jeffrey.lewis@axians-ias.com, www.axians-ias.com

Arch Environmental Equipment Inc.

Arch Environmental Equipment, Inc. is a manufacturer and distributor of a wide range of mechanical and electrical products designed to improve the efficiency and safety of conveyor belt systems. Arch's in-house manufacturing begins with computer-aided design and continues through final assembly and shipping. Our 50,000-sq.-ft. facilities include a fabrication shop, machine shop with CNC equipment, and state-of-the-art urethane production. This allows us to meet the quality standard that our customers demand. Arch's approach to meeting the customers' needs is to evaluate both the short and long term problems and concerns of our customers.

800-553-4567, info@archenv.com, www.archenvironmental.com

ASI Industrial

ASI Industrial operates as a design build general contractor specializing in the construction of dry bulk material handling facilities. A team of drafting and engineering personnel provide overall project design work, engineering, and construction drawings for each project. ASI also operates a full line steel fabrication shop. ASI self performs nearly all phases of construction: structural concrete, slip form concrete, steel erection, millwright, steel bin erection, electrical. ASI Industrial has completed more than one hundred projects spanning numerous industries including sand, cement, coal, petroleum coke, biomass, bentonite, and other industries.

(406) 245 6231, mhamlin@asi-industrial.com, www.asi-industrial.com

ATD Pressure Gas System

ATD Pressure Gas System manufactures and supplies Cardox to the cement industry for over 60 years. Cardox is the safest and most effective way to remove buildup from preheated towers.

(843) 553 2374, shop@atd-pgs.com, www.atd-pgs.com

AUMUND Corporation

The AUMUND Group is internationally positioned and specialized in the transport and storage of various bulk materials for cement and other heavy process industries worldwide. In addition to the Group headquarters in Germany, the global business is managed by a total of ten sales locations in Asia, Europe, Americas and supported by five service centers in Germany, Hong Kong, the USA, Brazil and Saudi Arabia. AUMUND Corporation, based in Atlanta is the regional service center covering North and Central America. AUMUND Corporation provides engineering, project management, sales and service for all AUMUND products.

(770) 590 3800, sales@aumundusa.com, www.aumund.com

Axians Industrial Applications & Services GmbH

Our core business is and remains in the development of process-oriented logistic solutions for the bulk goods and raw materials sector worldwide. Our industry proven VAS® system, with all its existing and future modules, covers the areas of yard management, automation and digitalization. VAS® allows industrial plants to carry out advanced truck planning and automated truck dispatch on a 24/7 basis, including features for mobile applications to integrate further parties within the supply chain. In particular, we specialize and concentrate on our software, including all related services, hardware and software components, business process consulting, project management and maintenance.

(802) 558 5508, jeffrey.lewis@axians-ias.com, www.axians-ias.com

Bayliss Machine & Welding

We are located in Birmingham, Ala., and have been providing repair services to industrial clients since 1935. Supported by our modern well-equipped machine shop and field mechanical services, we can support any equipment repairs. Our focus is on the Cement Industry.

(205) 323 6121, mikescott@baylissmachine.com, www.baylissmachine.com

Benetech

Benetech is a global leader in comprehensive, performance-based material handling solutions that mitigate airborne dust and ensure a safe and efficient operation. Benetech has the planning, engineering, operating experience and turnkey capabilities to manage all of your bulk material handling needs. We specialize in integrating the right tools for the right solutions that reduce dust, prevent spillage and improve material flow. Tools in our tool box include: Dust Suppression, Engineered Transfer Systems, Wash Down Systems; Wet Dust Extraction, Dust Collection and Containment, Belt Cleaners, Modular Skirt Board Systems, Belt Support, Conveyor Components, Assessments, and Engineering Services.

(630) 844 1300, schurmans@benetechusa.com, www.benetechglobal.com

BEUMER Group

With over 80 years working with the cement industry, we understand that no two customers are the same. That’s why our competitive edge is you. By fully understanding your needs, we
custom-build solutions to match your goals. This is possible thanks to a unique portfolio of material handling systems supporting your process end-to-end. From record-breaking overland conveyors, to bucket elevators to high-capacity palletizing and packaging, and alternative fuel systems—BEUMER makes a difference every step of the way.

(732) 893 2800, ja.se@beumergroup.com, www.beumergroup.com

**BEUMER GROUP**

Visit us!
International Cement Seminar
Atlanta, GA, USA
November 19 – 21, 2019
Booth #317

With over 80 years working with the cement industry, we understand that no two customers are the same. That’s why our competitive edge is you. By fully understanding your needs, we custom-build solutions to match your goals. This is possible thanks to a unique portfolio of material handling systems supporting your process end-to-end. From record-breaking overland conveyors, to bucket elevators to high-capacity palletizing and packaging, and alternative fuel systems—BEUMER makes a difference every step of the way.

For more information, visit www.beumer.com

---

**BinMaster**

BinMaster helps you measure and monitor inventory in silos using the latest technology to keep your people safe and from climbing silos.

Proven level indicators alert when silos are full. Continuous level sensors like SmartBobs, 3DLevelScanners, and 80 GHz non-contact radar report inventory in real time. User-friendly software from our BinCloud family of solutions gives you a simple, graphical view of your inventory. Our Nebraska team is committed to providing you the most practical, most cost-effective software and sensor solutions to make your operation safer and more efficient.

(402) 434 9102 / (800) 278 4241, info@binmaster.com, www.binmaster.com

**B + K [Bischof & Klein]**

B+K is a global full-service flexible packaging manufacturer specializing in highly-ventilatable and sift-proof plastic packaging used to package sensitive powdered products reliably and simply. Around the world, major industrial corporations and well-known brand manufacturers from all sectors place their trust in sustainable packaging solutions and technical films from Bischof + Klein.

(804) 543 9549, Zac.Odom@OverbyGroup.com, www.bk-international.com

**Blue Level Technologies**

Blue Level Technologies provides state-of-the-art “workhorse”, reliable and cost effective product technologies to the concrete and cement industries that currently include rotary paddle bin level indicators, RF admittance or capacitance probes, vibrating rod and tuning fork level sensors for bulk solids or liquids and slurries, capacitive proximity sensors and smart silo inventory level measurement systems. Our sensors are used daily for high, low and intermediate material level detection and can be used to detect plugged conditions in chutes and pipes, as well as backup of material within process equipment.

(330) 523 5215, bluelevel@blueleveltechnologies.com, www.blueleveltechnologies.com

**BSK Americas**

BSK Industrial provides industrial solutions to cement, mining, aggregates and asphalt, fertilizer, and power generation industries globally.

These solutions include equipment supply, turnkey greenfield and brownfield projects, maintenance & repair parts supply, and services. Main product groups are material handling solutions, crushing & grinding solutions, process equipment...
ALFRAN Refractarios, Spain 306
Refractarios Alfran is a refractory manufacturing company, we design, manufacture, and install refractory castables especially designed for the cement industry, covering a full range of activities such as detailed engineering, demolition, design, supply and installation of anchor systems (metallic and ceramic), gunning, shotcreting (Alfranjet®), vibrocasting, heat treatment, dry-outs, after-sale services, etc. First established in 1914 as a ceramic industry and starting the production of refractory materials, twenty years later, in 1924, Alfran has continued supplying high temperature products and services for the industry around the world for more than a century. Their markets are the cement, steel, non-ferrous, power and oil&gas, among other industries.

BEDESCHI 306
Since its founding in Padova, Italy in 1908, BEDESCHI has become one of the leading manufacturer of heavy clay, bulk handling and crushing equipment in Europe with offices across the globe, including the U.S. office in Florida. BEDESCHI offers a fully integrated line of products and services for the mining, power generation, biomass, cement, ports & terminals, and brick industries for the handling of bulk material including coal, clay, iron ore, limestone, sulfur, sand, fertilizer, clinker, among others.

BEDESCHI designs and manufactures its equipment to fit the specific needs of our clients and manages each step of the project execution from feasibility study to manufacturing, assembly, installation, start up, after sales assistance and maintenance, full spare parts service, diagnostic systems, remote monitoring, and mechanical and electrical survey of the equipment.
+1.954.6022175
info@bedeschiamerica.com
www.bedeschiamerica.com

CemTeCon, Germany 306
Cement Technology Consulting is an independent technical service company for supply and consultancy for the cement and lime industries in North America. CemTeCon is acting as a product and project integrator for any part of the cement plant. The affiliation to the European Expert Pool CEMENT ALLIANCE and it’s partners guarantee complete expertise from the quarry through the terminal and are always a good discussion partner for any goal in the plant you would like to achieve. CemTeCon counts on local engineering partners in the area of process, mechanical, structural, electrical, instrumentation, controls, civil.
+1954-683-5983
cemtecon.moonfruit.com

Fundiciones del ESTANDA, Spain 306
ESTANDA: Steel foundry specialising in the design and manufacture of high performance steel castings for the Cement. We supply, Low-Medium-and High Alloyed and Heat-Resistant Steels. Its products and projects for the CEMENT sector cover the integral cement manufacturing process, with parts and components for the crushing and grinding circuits of raw material and cement, preheaters, kilns and clinker cooling, feed systems, other ancillary systems. It also offers product design, process optimisation and solutions, assembly and technical after-sales service. ESTANDA, located in Beasain, North of Spain, is one of the leading suppliers of steel castings worldwide, exporting 90% of total production.

PM-TECHNOLOGIES 306
PM-TECHNOLOGIES is an equipment manufacturer, operating world-wide, servicing the cement and minerals industries. For the cement industry, PM-TECHNOLOGIES specializes in retrofitting existing rotary kiln plants and ball mill grinding systems, in order to provide innovative and tailor-made solutions with low CAPEX values. The capabilities of PM-TECHNOLOGIES involve the complete required scope for realizing any modification project, beginning from initial bottleneck analysis and engineering phase, until the manufacturing and delivery of any parts. PM-TECHNOLOGIES solutions to modernize existing kiln plants include especially the modification or replacement of preheater cyclones and calciners.

UNITHERM-CEMCON 306
UNITHERM-CEMCON is one of the leading manufacturers of burners and burning systems for industrial applications and a worldwide supplier for the cement, lime and mineral industry. With more than 70 years of experience Unitherm can provide a wide range of highly advanced tailor made firing systems designed and manufacture in Austria. Until now numerous M.A.S. burners all over the world have been supplied and commissioned. Customers are benefiting from our worldwide experience in consultation, integrated planning and our expertise in installation, maintenance and service. A large staff of engineers and technicians ensures that a competent experienced team in design and construction of firing equipment is at your service.

VIDMAR 306
VIDMAR is a leading company in the manufacture and supply of equipment for weighing, dosing, control, automation and industrial software, using always the latest technology available. We perform tailor made solutions in technology and development of industrial and process equipment. We are one of the leading specialized suppliers in the International Weighing and Automation sector with its own technology. Our clients claim our excellence in accuracy in the details and our ability to adapt the projects, to their requirements. We export more than 70% of our products to up to 25 countries all over the world.
solutions, maintenance, and repair parts. BSK Energy provides energy solutions globally with steam turbines, auxiliary equipment, and complete energy cycles. BSK Trading provides global supply chain solutions for cement clinker, cement, fly ash, fertilizer, and similar staple materials. (954) 798 8116, h.ozbay@bsk-americas.com, www.bsk-americas.com

C.B.P. Engineering Corp 403

CBP Engineering is a 50+ year old American owned company who throughout our history has focused only on abrasion resistant materials and their application. Located in Washington Penna. we operate from a 50,000-sq.-ft. production shop. CBP is the OEM for cast basalt linings and a major installer of alumina ceramics, silicon carbides and trowel-on coatings. Applications include complete pipe systems, chutes, cyclones, hoppers, transfer points, fans and mills. Our long history has given us the knowledge and expertise to tackle the toughest abrasion, impact and corrosive applications. (800) 468 1180, halulko@cbpengineering.com, www.cbpengineering.com

Christian Pfeiffer 218

Christian Pfeiffer is highly specialized in the equipment and processes for grinding and separation of cement, coal and industrial minerals. Ball mills for dry and wet grinding, wear resistant castings, mill diaphragms, high efficiency separators, pre-grinding machines and powder coolers are manufactured by Christian Pfeiffer and supplied to customers worldwide. Our skilled engineering teams design upgrades to existing systems and complete grinding plants. Process experts provide services in the field of grinding and separation optimization. Grinding technology training courses are available for individual customers and with our annual seminar at the headquarters of Christian Pfeiffer Maschinenfabrik GmbH in Beckum, Germany.

Cintasa Americas 216

With over 45 years of specialization Cintasa is a leader in conveyor systems and material handling equipment. We offer proven experience in diverse industries giving clients equipment that meets their needs. Worldwide references in cement, aggregates, biomass, power, mining, quarries, steel, recycling and chemical industries. Our products are designed and manufactured with in-house engineering and technology, adapted to the needs of each client and location nationwide. All of our equipment is fabricated in our own manufacturing facility in Spain. Our Cintasa Americas office in the Atlanta, Ga., area offers clients in the region convenient access and local contact for any requirement. (678) 314 2690, g.mosley@cintasa.com, www.cintasa.com

Civil & Environmental Consultants, Inc. 324

CEC assists the cement industry with engineering and emissions monitoring services, and by helping determine the best strategy to meet unique compliance requirements. CEC offers commercial source testing services as an Air Emission Testing Body (AETB) and has accreditation pending through LELAP/TNI ISO/IEC 17025. Our experienced source testing group performs facility engineering evaluations and sampling and testing to meet required MACT and NSPS regulations. And with resources nationwide, CEC can execute multiple testing projects simultaneously. Maximizing Performance & Compliance...We Own It. (865) 340 4933, mmowery@cecinc.com, www.cecinc.com

Cogitech S.R.L. 301

COGITECH S.R.L. is located in Rivoli [Turin], Italy. It mainly deals with the realization of cement and lime plants, with strong experience also in plasters, chemical and pharmaceutical trade. Thanks to over 30 years of experience of the holders and the collaboration with leader companies in this trade, we are able to offer to its customers “turn key” solutions, from the feasibility study to the research of the best technical/economic solutions, to the design development starting from engineering [plants, steel and concrete structures], to plant supply and assembly. COGITECH S.R.L. is also wear resistant ceramics supplier [Ceramite] either as mortar or precasted. 0039 011 19663386, tecnico2@cotighetsrl.it, www.cogitechsrl.it/?lang=en

Coperion K-Tron 416

We are an industry leader in feeding and weighing, bulk material handling and services, compounding and extrusion. Beyond large-scale applications, close collaboration with customers has driven the continual development of systems and components. From individual rotary valves to complete product lines. Coperion and Coperion K-Tron work closely with customers to deliver what they need for their processes. (856) 256 3236, kkressley@coperionktron.com, www.coperion.com

Cyclonaire Corporation 421

Get moving in the right direction. The right conveyance system can make a big difference in any operation. Nobody understands that better than Cyclonaire because we've been developing and manufacturing innovative pneumatic conveying solutions for more than 45 years. We provide world-class solutions along with uncompromised service at a price that reflects the quality of our products and services.

No two problems in material handling are the same. That's why we custom design approaches that solve individual...
problems and challenges. From our complete line of conveyance systems to our components, parts, and accessories, our products will enhance your in-plant or on-site process.

(402) 362 2000, sales@cyclonaire.com, www.cyclonaire.com

DCL, Inc.

DCL, Inc. is a privately owned company located in Charlevoix, Mich., that leads the way in product innovation with a full line of bulk material loading equipment and complete system design. Whether you are looking to load trucks, railcars, ships, barges, drums, bulk bags or stockpiling; DCL can provide the complete system design and equipment to meet emissions standards while keeping the highest possible loading rate available. The development of the SmartLoader®, Compact Filter Module, and the AutoHatch along with seasoned veterans in Technical Sales, Engineering, and Manufacturing give credibility to DCL’s statement of “Load with the Leader.”

[231] 547 5600, dmanning@dclinc.com, www.dclinc.com

Delta Rigging & Tools / J D Neuhaus

Delta Rigging & Tools and J D Neuhaus provide Air Chain Hoist and Trolley Roller Mill Handling Systems to Cement Plants. Dual Monorail System with various capacities and features including low headroom, precise controls and negotiating radius beams as applicable.

Delta Rigging & Tools is a manufacturer, distributor and service provider of lifting and rigging products with multiple locations throughout the Nation.

J D Neuhaus is the world’s leading manufacturer of pneumatic and hydraulic hoists, crane systems and system solutions.


Elite Refractory Services

Elite Refractory Services, LLC started in 2018 after seeing an opportunity in declining service and higher costs from the merger of several respected refractory installation service companies used in the cement industry. Our main shop is centrally located in Texas with the ability to quickly respond to any location in the U.S. While we are a new company, our team has many years of experience in refractory installation service and the cement industry and proven ability in providing safe, quality, and efficient service. Please contact Rogelio Cantu (rogelio@elite refractory.com), Kevin Kelley (kevin@elite refractory.com), or Thane Browning (thane@elite refractory.com) for any refractory repair needs.

(832) 729 0904, www.eliterefractory.com

ENOTEC GmbH

ENOTEC is a German manufacturer of precise and durable analyzers. As a leader in the field of process and flue gas analysis, we have also an interesting product portfolio for cement plants: From robust gas sampling systems at the kiln inlet chamber for a reliable and continuous [24/7] flue gas measurement, to safety monitoring in coal silos or oxygen and COe InSitu probes, ENOTEC has the right product and experience to help you monitor and optimize your cement production process. Come to our booth and let us show you what ENOTEC has to offer!

+49 6071 49931-0, info@enotech.de, www.enotech.de

FCT Combustion Inc.

FCT Combustion offers world leading products to optimize your kiln output with the flexibility to minimize fuel costs. At FCT our Mission is to be recognized as the best value adding provider of End to End combustion solutions, plant optimization and analysis by catering to our customers with high-quality products, timely service and continuous support. Regardless of market or need every time.

(954) 271-1166, neriely.garrido@fctinternational.com, www.fctinternational.com

Flexco

Flexco provides the world’s belt conveyor operators with efficient, safe products, services, and solutions for their systems. Flexco is able to address almost any conveyor challenge from slippage and spillage, to mistracking and wear and tear, to safety and environmental concerns. Even after a belt is up and running, Flexco stays involved to ensure that its products are delivering the top-notch performance needed for maximum productivity.

(630) 971 6478, lhehr@flexco.com, www.flexco.com

Forney, LP

FORNEY is the leading manufacturer of test equipment for construction materials, including ForneyVault® – a construction material testing software platform that closes the loop between sample creation, testing, and data collection, dissemination and use. With ForneyVault, data flows seamlessly throughout the process, reducing the risk of errors, increasing compliance and driving more positive outcomes. ForneyVault makes testing machines smart and technicians smarter. It’s the only route to truly automated testing. Until now, users and regulators could only rely on a written report. With ForneyVault, they have an auditable, verifiable and unalterable link between the test and the specimen.

(724) 551 1140, sgrumski@forneyonline.com, www.forneyonline.com

Gambartotta Gschwendt SRL

Gambartotta Gschwendt is a world leader in the design, construction and installation of equipment for the elevating and transport of solid bulk materials, such as bucket elevators, conveyors and high capacity feeders for any use, from the concrete and gypsum sectors to metallurgy and mining.
Quality and reliability have always been the strength of Gambarotta Gschwendt, attested by numerous certifications including ISO 9001, whose specifications were met by the company even before they were officially set up, as well as EN1090, EN ISO 15609, ISO 9606 and ATEX standard. This is thanks to the level of excellence achieved by the design departments, the statutory procedures, a continuous exchange between the internal divisions of the company and on-site with customers, the rapid prototyping and the use of the best materials and components available on the market, able to withstand greater levels of wear with a favorable impact on maintenance costs and timing.

+39 0461 920403, gambarotta@gambarotta.it, www.gambarotta.it

Global Cement


44 776 7475998, tina.rich@propubs.com, www.globalcement.com

HAZEMAG USA Inc.

HAZEMAG has sold over 75,000 horizontal shaft impactors, making us the world-leading supplier of impact crushers and raw material processing systems. Behind every HAZEMAG product is a wealth of experience, a deep commitment to research and development, and a drive for innovation! HAZEMAG offers industry-lead-

JANUS Fire Systems

FIRE PROTECTION EXPERTS SAFEGUARDING CEMENT PRODUCTION FACILITIES

FIRE PROTECTION FOR DUST COLLECTORS, PULVERIZERS, DUCTS & ELECTRICAL ROOMS INERTING SYSTEMS FOR CYCLONES, RAW & PULVERIZED COAL SILO’S

CLEAN AGENT FIRE EXTINGUISHING SYSTEMS
3M™ NOVEC™ 1230 FIRE PROTECTION FLUID • FM-200®
LOW & HIGH PRESSURE CO2 • ENGINEERED DRY CHEMICAL ALARM & DETECTION • AIR SAMPLING • FOAM

MANUFACTURER AND DESIGNER OF SPECIAL HAZARD FIRE PROTECTION SYSTEMS

+1 219-663-1600 www.janusfiresystems.com

Haver & Boecker USA, INC.

Haver & Boecker (H&B) is a global leader in the manufacturing of diversified solutions for dry bulk materials in all industries. H&B designs and manufactures material handling equipment to improve the efficiency, productivity, and competitive position of its customers worldwide. All while specializing in providing central cone silos, ship unloaders, mixers, bagging machines, automatic bag applicators, ultrasonic sealing, pail and can fillers, drum and drums on pallet fillers along with both conventional and robotic palletizers. H&B is also able to provide warehouse logistical concepts and automation to complete the entire material handling process.

(770) 760 1130, info@haverusa.com, www.haverusa.com
ing material handling solutions through a range of products including: horizontal shaft impact crushers (primary, secondary, tertiary), drying technology, hammer mills, sizers, roll crushers, horizontal impact crushers (feeder breakers), apron feeders, roller screens (wobbler feeders), jaw crushers and cone crushers. (724) 439 3512, info@hazemag.com, www.hazemag.com

HUDCO Industrial Products, Inc. 211
Since 1976 HUDCO Industrial Products, Inc. has provided innovative solutions to our customers' toughest wear problems. HUDCO’s success is the result of research, outstanding service and consistently superior products. Our effective use of advanced ceramics, carbides, plastics and other wear resistant materials dramatically improves the service life of material handling equipment. HUDCO's assurance of quality and customer satisfaction has earned the respect of all major material handling equipment. HUDCO's unique position as a manufacturer (OEM) of a number of application based solutions.

International Cement Review 423
For over 30 years, International Cement Review has been the leading information source for the global cement industry. Our monthly magazine offers informed commentary, market reports and technology articles from world-class experts covering all areas of the cement manufacturing process. Through our online portal, www.CemNet.com, our readers are kept up-to-date with daily industry news plus statistics, directories and other critical resources. Subscribe today and receive a free copy of The Cement Plant Operations Handbook, 7th Edition, the industry’s most comprehensive reference for cement plant engineers and technical staff.

JADCO Manufacturing, Inc. 325
JADCO Manufacturing, Inc., established in 1980, is a leading provider of proven wear protection to combat even the toughest impact and abrasion challenges. JADCO delivers unmatched technical expertise, quality, and customer service - and offers an unparalleled array of wear-fighting products, particularly wear steel, to optimize a user's operations with brands including QT-PLUS® and CHROMEWELD.

John King Chains USA Inc. 212
John King Chains USA Inc. Sister company of John King Chains Ltd. United Kingdom. We have well over 60 years of Cement Industry experience. Applications include Plate feeders, Reclaimers, Pan conveyors, Clinker drags,
Manganese Cast Chains, Bucket Elevators, Precip trough conveyors and more. One area of particularly interest is in Cast steel drags. We produce many types, but notably equivalents to F.L Smidtt Denmark (JKD and JKT series). A brand new US facility allows us to meet the daily demand of US industry with bespoke/special chain manufacture and components.

**(843) 998 1767, ow@johnkingchains.com, www.johnkingchains.com**

**Kase Conveyors**  
Kase Conveyors is your source for an extensive line of bulk material conveying and storage equipment. For over 35 years, Kase Conveyors has supplied equipment to the Cement and Concrete industries. From Belts to Screws, Elevators to Hoppers, and Bins to Gates, Kase can design and fabricate the most complex projects, providing you a single source of integrated equipment for complete systems. Our Knowledge, Abilities, Staff, and Experience are ready to help make your next project a success. You can put your confidence in us because at Kase, quality matters.

**(254) 694 5846, amanda.marbut@kaseworks.com, www.kaseconveyors.com**

**KettenWulf Inc.**  
KettenWulf was founded in 1925 in Kückelheim, Germany. Over the past 90 years, the company has developed from a small-sized factory for chains and sprockets into a leading global manufacturer of conveyor chains, drive chains and sprockets. More than 1400 employees develop, produce and distribute individual solutions in conveying and drive technology for KettenWulf at ten locations in Europe, America and Asia. The high quality KettenWulf products are used all over the globe in a wide range of industries.

**(678) 433 0210, usa@kettenwulf.com, www.kettenwulf.com**

**KIMA Process Control GmbH**  
**LEADING TECHNOLOGY IN MILL CONTROL**  
**MillMaster : the most robust, open and easy to handle Advanced Control System using AI elements in the Cement Industry. For Ball Mills, VRMs and also combined systems using Roller Presses.**

**MARKET LEADER IN FILL-LEVEL MEASUREMENT**  
**SmartFill : high-precision, interference-free level measurement method in ball mills. Over 800 references in 55 countries. Fill-level for chamber 1, chamber 2 and the material temperature.**

**WATER BASED KILN SHELL COOLING**  
**KlinCooler : Cool’s down rapidly but carefully hot kiln areas, avoiding any shrinkage of the kiln shell.**

**+49 151 5265 8707, schmidt@kima-process.de, www.kima-process.de**

**KOBO USA, LLC**  
KOBO is one of the leading German manufacturers for engineered class chains and sprockets. For over 125 years, we have been providing customized high-quality chains for bucket elevators, pan conveyor systems and reclaimers in the cement industry. With our technical knowledge we offer the best solution with imperial or metric designs to OEMs and plants across the US and Europe.

**(630) 464 8447, info@kobousa.com, www.kobousa.com**

**Labor Finders International, Inc.**  
Since 1975, Labor Finders has had a simple and clear mission: treat workers and customers fairly. This mission, has helped us put over 20,000 people to work from 200 offices daily. We staff trustworthy, workers of all skill levels in a wide range of industrial positions. We meet your company’s workforce demands, while eliminating your payroll and administrative burdens. You’ll be happy with the results, or we’ll make it right. That’s our 100% satisfaction guarantee. We belong to an elite group that have won the prestigious Best of Staffing Client Competition award every year since its inception in 2010.


**Lehigh Valley Technical Associates**  
**LVTA is a 50-person Pennsylvania based design and detailing firm, licensed to practice engineering nationwide and in portions of Canada. The design department specializes in the design and engineering of structural and mechanical systems to handle bulk materials with decades of experience in the processing and handling of a wide variety of bulk materials from concept to detailed design to maintenance, resulting in efficient designs that simply work. The detailing department provides connection engineering, steel fabrication drawings, and automated fabrication files for steel fabricators across the country. The two departments synergize through shared engineering, as well as cross-trained designers and drafters.**

**(810) 262 6345, acraig@lvta.net, www.lvta.net**

**Marietta Silos LLC**  
Marietta Silos and sister company USA Silo Service work in tandem to complete bulk storage cleaning, inspections, repairs and new silo construction. The combined companies have over 130 years industry specific experience to ensure your bulk storage systems operate efficiently, economically and safely for the longevity of your operations. Email us directly at askmrsilo.com to see how our companies can benefit your organization.

**(740) 373 2822, info@mariettasilos.com, www.mariettasilos.com**

**Exhibitor Listings**

**Kase Conveyors**  
Kase Conveyors 133

**Kima Process Control GmbH**  
KIMA Process Control GmbH 305

**Labor Finders International, Inc.**  
207

**Lehigh Valley Technical Associates**  
228

**Marietta Silos LLC**  
225
Material Handling Equipment Company (MHE) 415

MHE was formed in the 1920's in Chicago, Illinois to support the demands of expanding industries. MHE specializes in the manufacturing of conveying equipment that can operate reliably while being subjected to the most severe conditions possible, such as extreme temperatures, abrasion, and corrosion. We make some of the biggest bucket elevators and longest screw conveyors in the world. Our drag conveyors and apron conveyors are operating in some of the harshest environments on the planet and still running after 50 years. MHE pioneered the Cement Mill Class conveyors, and has equipment running in plants longer than most of our competitors have been in business.

Telephone (847) 665-6233, marketing@midstatefl.com, www.midstateindustrialcorp.com

MDG Handling Solutions 124

MDG Handling Solutions Srl was founded on the initiative of Davide Gambarotta, who is a Member and sole Director. The company operates in the field of the design and production of bulk solids handling systems, in which Mr. Davide Gambarotta has gained considerable experience over the ten years of work done in the Family Business, operating in the same sector for about 100 years. MDG Handling Solutions Srl was created with the precise aim of distinguishing itself in the international scene, adopting a highly innovative approach, both in the way of identifying the best technological solutions for the specific needs of the customer for production, development and assistance systems.

Telephone (39) 0461 163 7111, info@mdghandlings.com, www.mdghandlings.com

Meridian Manufacturing Inc. 411

Backed by 65 years experience, Meridian Manufacturing Inc. is a proven leader in quality storage and handling products for the industrial and oil, gas and mining sectors. With our commitment to incorporating the latest technological innovations and our drive to set industrial standards, the Meridian product line-up is the best solution for storage operations. Meridian continues to develop economical, reliable and environmentally responsible options for unsurpassed customer service.

Telephone (800) 437 2334, industrial@meridianmfg.com, www.meridianmfg.com

Mid-State Industrial Maintenance 300

“Founded in 1973, Mid-State provides industrial maintenance and service solutions to the North American and Caribbean markets. Our reputation for minimizing client downtime is built upon our ability to respond and resolve critical complex scenarios with efficiency while continually adding value. Through a dedicated and competent team of professionals, we consistently provide a safety culture that permeates every aspect of maintenance and service solutions with capabilities to design, fabricate, and install in the most demanding environments.”

Telephone (863) 665 6233, marketing@midstatefl.com, www.midstateindustrialcorp.com

Mole Master Services Corporation 105

Mole Master Services is a worldwide leader in industrial cleaning services and equipment sales and rental. We specialize in silo/bin/bunker cleaning, pipe cleaning, CO2 blasting, fire suppression, hydro blasting, vacuum services, media/ice blasting, and structural inspections. Turnkey services using highly qualified OSHA/MSHA trained technicians.

Telephone (740) 374 6726, mbailey@molemaster.com, www.molemaster.com

Monitor Technologies LLC 328

Monitor Technologies LLC provides a wide range of solutions for silo level indication, continuous level measurement, inventory management, solids flow monitoring/metering, in-line moisture measurement, dust monitoring and bin aeration for the storage and processing of powders & bulk solids including cement, fly ash, sand and aggregates. For over 60 years we have strived to offer high quality products, extensive application support and trusted customer service.

Telephone (630) 365 9403 or (800) 601 6165, monitor@monitortech.com, www.monitortech.com

Motion Metrics 220

Motion Metrics is a market-leading Canadian technology company that leverages its expertise in artificial intelligence and computer vision to improve safety, productivity, and efficiency at mines and quarries worldwide. Our solutions include mine-to-mill particle size analysis, missing tooth detection, payload monitoring, and proximity detection; they are intuitive, do not interrupt existing workflows, and are supported by local, hands-on teams. We are trusted by the world's largest mining companies and our systems have been installed across six continents. Our team is headquartered in Canada and has operations in Australia, Chile, Brazil, South Africa, and Russia.

Telephone (604) 822 5842, info@motionmetrics.com, www.motionmetrics.com

MZP Kiln Services, Inc. 412

We are able to provide a complete range of services – we are able to fabricate, deliver and erect all different parts and equipments [rotary kilns, shaft kilns, ball mills, coolers, dedusting filters], and machines [crushers, screens, air-lides, screw conveyors]. Our diagnostic team specialists can provide measurements of mechanical parts [such is kilns, ball mills, rollers], analysis of problems, and provide solutions. Our erection team provides the capacity to make these solutions happen. We have also 3D ultrasonic measuring devices to check wents [especially in places where a perfect wents (kily shells, ball mill shells etc.) are required]. Our special methods of roller and tire repair don’t require equipment stoppage.

Telephone 001 724 318 8653, moc.skpzm@skpzm, www.mzpks.com

For over 40 years, PEBCO has made it its mission to build a better line of equipment. After seeing the need for a higher quality line of equipment to help process bulk materials, our engineers got to work designing systems and components better suited to handle a wide range of applications. For over 40 years PEBCO has been creating a line of both custom and standard equipment including Slide Gates, Rolling Blade Gates, Clamshell Gates, Positive Seal Valves, Dust Suppression Foggings Systems, Diverter Gates, Lock Gates, Dustless Loading Spouts, Fluidized Conveyors, Telescopic Chutes, PEBCO Cascade Chutes, Mass-Flow Feeders and Uni-Load Systems.

PEBCO Inc.

PEBCO

The Material Handling Problem Solvers

Proven Excellence.

NETZSCH Premier Technologies, LLC

NETZSCH

Proven Excellence.

For over 40 years, PEBCO has made it its mission to build a better line of equipment. After seeing the need for a higher quality line of equipment to help process bulk materials, our engineers got to work designing systems and components better suited to handle a wide range of applications. For over 40 years PEBCO has been creating a line of both custom and standard equipment including Slide Gates, Rolling Blade Gates, Clamshell Gates, Positive Seal Valves, Dust Suppression Foggings Systems, Diverter Gates, Lock Gates, Dustless Loading Spouts, Fluidized Conveyors, Telescopic Chutes, PEBCO Cascade Chutes, Mass-Flow Feeders and Uni-Load Systems.

Renold

Renold Jeffrey is the American subsidiary of Renold plc of Manchester, England, is the evolution of two of the strongest names in chain history. Headquartered in Morristown, Tennessee the company dates to 1887 when Joseph Jeffrey patented the first industrial chain in the United States. It was purchased in 2000 by Renold, which also has a rich history in the chain industry and is credited with the development of the first bushed roller chain. Renold Jeffrey applies more than two centuries of combined experience to develop innovative chain products designed to save time and money.

Richwood

Richwood designs innovative solutions for the worldwide bulk material handling industry. For over 40 years the busiest mines in the world have put their confidence in our problem solving expertise. Clean conveyors and sealed and protected load zones for site specific solutions mean lowered maintenance costs, safer work areas and more productive operations. Rely on Richwood for dependable conveyor accessories.
RMC Engineering

RMC Engineering has been family owned and operated since we were established by Donald and Betty McKenzie in Gilroy, California, in 1977. For two generations, RMC Engineering has provided quality heavy-duty trailer parts and repairs to our customers throughout the South Bay Area and beyond. The safety and productivity in the area of loading and offloading of cement tanks is a central focus of RMC Engineering! By offering an extensive selection of parts and accessories, along with our state-of-the-art machine shop, fab shop, and paint facility, we can repair or fabricate whatever our customers may need.

(408) 842 2525, kevin@rmcengineering.com, www.rmcengineering.com

Rulmeca Canada Limited

Manufacturing out of Wallaceburg, Ontario, Rulmeca Canada is the forefront of technology, design and construction of a vast array of conveyor components. Rulmeca Canada stands alone in its commitment to supply only the most robust conveyor products on the market today. From our engineering and quality control, to our technical sales and field service staff, Rulmeca’s dedication to our clients remains as strong today as it did over 50 years ago. We are ISO 9001:2015 certified, registered with CWB and an active member in CEMA. Our goal is simple: “Extend the life & safety of our client’s conveyor systems.” Achieving this goal allows us to offer the lowest cost of ownership in the industry.

(519) 627 2277, nmackenzie@rulmeca.com, www.rulmeca.ca

SAS Global Corp

SAS Global and its Cladtec Division is a heavy fabrication and engineering company that helps cement producers reduce wear, increase production and improve the performance of material processing equipment. Custom fabrications and wear solutions for everything from your Quarry through to your finished product silos. We also specialize in onsite Hardfacing for Raw mills and Coal mills.

(248) 414 4470, info@sasglobalcorp.com, www.sasglobalcorp.com

Schenck Process LLC

For over 130 years, Schenck Process has been a leading manufacturer of bulk solids weighing and feeding equipment. A wide range of offerings include, coal feeding systems, weigh-feeders, alternative fuel feeding systems, conveyor belt scales, kiln and additive feeders, solids flow meters, pulverizing and classification, air filtration, blending systems and controls. Schenck Process has the product depth and knowledge to meet the dry material handling needs of manufacturers worldwide. With representation in over 75 countries, Schenck Process Group offers sales, engineering, service and systems designed specifically for your application. We are dedicated to supplying unmatched quality equipment and systems resulting in superior accuracy, enhanced operating reliability, ease of maintenance and savings in investment.

(440) 543 6000, sales-cmm@schenckprocess.com, www.schenckprocess.com

Standley Batch Systems

Standley Batch Systems has been manufacturing material handling equipment for nearly 80 years. We have a wide variety of equipment designs for the precast, block, paver, ready mix, frac sand, coal, fertilizer and quarry industries. We have the experience to provide equipment for your specific needs, customizing and designing systems to your specifications. Standley Batch and Hycontrol team up for Silo safety system introduction to North America. Two years after introducing the ground-breaking SHIELD silo protection system, silo pressure safety experts Standley Batch are proud to announce the launch of the SHIELDlite SPS. An innovative next step in technology, SHIELD Lite protects powder storage silos with a range of new monitoring and diagnostic tools, indicating when the silo is under stress from the dangers caused by excessive pressure during tanker-fed deliveries.

(573) 450 0109, jmantz@standleybatch.com, www.standleybatch.com

Stockpile Reports

Stockpile Reports [SR] is a global inventory solution platform built on a powerful image processing engine that turns 2D images into 3D data. SR is used at over 3,200 locations in 47 countries, managing over $3 billion in inventory. SR offers subscribers a patented, cloud-based inventory management platform, enabling fast, precise, reliable inventory counts across your entire company. SR is committed to solving the various inventory problems plaguing the industry. Stop by booth 122 to learn how SR simplifies your inventory ordering and supply chain management.

(425) 285 4303, info@stockpilereports.com, www.stockpilereports.com

Tank Connection

Tank Connection designs, manufactures, and installs bolted storage silos and aluminum geodesic covers for dry bulk and liquid applications. Tank Connection’s products are American-made in ISO 9001 Certified facilities. Distinguished for outstanding quality, longevity and reliability, Tank Connection’s bolted RTP (rolled, tapered panel) storage silos feature advanced engineering, precision fabrication and premier powder-on-powder coating technology. APEX Domes by Tank Connection represents the highest quality aluminum covers available in the marketplace. Employee ownership drives Tank Connection’s core focus on exceeding the expectations of our clients. Employee Owners - We care more!

(620) 423-3010, bcruse@tankconnection.com, www.tankconnection.com
Tarmac International, Inc.  
Tarmac International, Inc. is a world wide OEM in the Kansas City area. We offer fly ash drying systems, fly ash carbon reduction equipment including Rotary Thermal Dryers, Rotary Kilns, Rotary Coolers, Fine Screening, Air Pollution Cyclones/Baghouses, Bulk Storage, and Controls. Tarmac offers 6 size production plant systems to meet the customer's needs. Stationary, transportable and portable systems are available. Check out Tarmac’s Air Coolers. They lower the final material temperature to help with the bagging process. They can be extensions of parallel flow dryers or separate rotary coolers.
(816) 220 0700, info@tarmacinc.com, www.tarmacinc.com

Temperform  
TEMPERFORM is one of the nation’s leading specialty manufacturers of heat, corrosion, abrasion resistant castings and machined components. Our custom solutions help you meet the demands of your business.
(248) 909 8086, mhesse@temperform.com, www.temperform.com

TPI Engineered Systems, Inc.  
Since its beginning in the 1950’s, TPI Engineered Systems, Inc. has become a recognized leader in the design, manufacture, supply and installation of bulk materials handling systems. We design and build equipment, and complete systems, that handle a wide variety of bulk materials. Our scope of supply can range from a single piece of equipment to complete turnkey systems. We offer belt conveyors, screw conveyors, bucket elevators, flat and round bottom drag conveyors, apron feeders, chain reclaimers. Using our fabrication shop in Bowdon, Ga., we keep your project in our control to maintain your schedules while ensuring TPI’s quality standards. Contact Kevin Swinney, Systems Sales Director.
(250) 807 7999, quotes@unicast.ca, www.tpies.com

Unicast, Inc.  
Unicast designs and distributes world-leading, high-quality after-market wear parts for the mining, cement, oil and gas, aggregate and coal industries. We have been the hassle-free choice for maintenance engineers for almost 25 years. We sell some of the world’s longest lasting wear parts. Our core wear part solutions include diverter valves, apron feeder pans, grinding mill liners, hammers and blow bars, grizzly panels, and cooler grates. Castings are made from titanium carbide alloys, chrome moly, manganese steels, heat and corrosion resistant stainless steels, high chrome white irons, proprietary ceramic inlays and low alloy steels.
(250) 807 7999, quotes@unicast.ca, www.unicast.ca

Vortex  
Vortex manufactures slide gates, diverter valves, and loading spouts for the cement and minerals industries. Vortex slide gates and diverter valves are designed for dependability, durability, easy maintenance, and offer proven solutions to material handling and process efficiency problems. We help our customers save time and money by designing maintenance products without having to take it out of service. Vortex spouts are designed to capture fugitive dust, prevent material waste, and ensure plant and environmental safety, with low maintenance and service expenses. Vortex offers everything for a complete loading system including dust collecting filters and spout positioners.
(785) 825 7177, vortex@vortexglobal.com, www.vortexglobal.com

Wear-Concepts, Inc.  
Wear-Concepts, Inc. provides products and fabrications for improved material flow in the cement industry. These products and fabrications combat four problem areas: impact abrasion, sliding erosion, corrosion, and sticking. Solutions include wear plates, pipes/elbows, ceramics, panels/pads/bars, polymers, hi-chrome castings, rubber lining, quick repairs, and Densit® wear products. Wear-Con also offers field service/millwright crews, shop fabrication, and engineering. Wear-Concepts is “Your Blue Line of Defense!”
(816) 587 1923, info@wearcon.com, www.wearcon.com

World Cement  
World Cement is the premier source of technical and analytical information for the global cement sector. Having been published for over 90 years, each issue of World Cement is packed full of technical articles, regional analysis and industry news. Visit us online to register for a free trial!
+44 (0) 1252 718 999, paul.heyworth@worldcement.com, david.bizley@worldcement.com, www.worldcement.com

WTW Americas Inc.  
WTW Americas Inc. specializes in handling sticky, wet, hot or abrasive, non-free-flowing bulk materials. WTW Americas can receive your bulk materials by truck, trailers, front end loaders, rail cars and barges. Extract or reclaim your material from stockpiles, bunkers, hoppers or silo. Transport your material in a dust free or pressure tight system or environment. WTW Americas engineers, designs and manufactures equipment specifically designed to meet all of your material handling needs. Our full line of equipment is heavy duty, reliable and German engineered. With our in-house bulk material testing, we can guarantee mass flow without rat-holing or bridging, and we have the references!
(705) 749 3544, areid@wtwamericas.com, www.wtwamericas.com
Axians Industrial Applications & Services – your IT partner for:

- dispatch automation
- process security
- smart industry

Visit us!
38th International CEMENT Seminar & Exhibition
19 – 21 November 2019
Cobb Galleria Centre
Atlanta, GA
Booth N° 425