

Arab Union for Cement and Building Materials

Cement and Building Materials Review Issues

22nd Issue December 2005

- Foreword
- About Sinai Cement Company–
Egypt , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - The Environmental benefits of using alternative fuels in lime industry
 - Adhesion of gypsum plaster on smooth concrete surfaces
 - Block granite quarrying and treatment (overview)
 - Efficient interground additions for grey and white Portland cements
 - Improved performance of granulated blast furnace slag (GBS) cements with cement additives
 - Alternative methods of quarrying in solid rock
 - Instrumentation in cement industry
 - Cement terminal modernization
 - Kiln Doctor



21st Issue September 2005

- Foreword
- About Les Ciments d'Oum El Kelil – Tunisia , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - New Kiln Inlet Gas Analysis Technology
 - Granulated Blastfurance Slag: Its advantages with respect to CO2 Emissions and Energy Consumption
 - Alternative fuels
 - The use of oil industry and Marpol wastes as fuel or raw materials in the manufacture of cement
 - Supply and installation of two bag filters for vertical lime kiln dedusting at Ras Al Khaima Co. for white Cement, Noora Plant, UAE
 - State pf art filter technique in the cement industry
 - The application of PTEE membrane filtration products at Emirates Cement Factory
 - Sustainable development in Cement Industry
 - Environmental improvement actions at the Jordan Cement Factories L Fuhais Cement Plants
 - Kiln Doctor



20th Issue June 2005

- Foreword
- About Ciment de Mauritanie–
Mauritania , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - The significance of chemical method for the separation and study of the phases of Iraqi Portland cement clinker
 - Increased efficiency and output through targeted modernization measures
 - Chain weigh feeders for feeding mills
 - A 'Sound solution to the problems of particulate ulid up and matterial flow problems within a wide range of dry process industries with particular reference to silos, hoppers, filter, ID fans and boiler plants
 - New ball mill grinding technology
 - Polytrack© : the future-oriented clinker cooler
 - Improvements and modifications done to enhance the performance of Rabigh Cement Plant
 - Kiln Doctor



19th Issue March 2005

- Foreword
- About Qatar National Cement Company– Qatar , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Cement Industry in the Arab World (in Arabic and English)
 - A Mobile Ship Loading and Stacking
 - Fluidcon - The evolution of pneumatic conveyance
 - Development in Ship Unloading Technology for Cement Product
 - Thermal Imaging in Cement Plants: The route to significant savings in Production and Maintenance Costs
 - Relation between Refractory Properties and their service conditions
 - Role of Mineral Additions in Cement Manufacturing



18th Issue December 2004

- Foreword
- About Eastern Province Cement Company– Saudi Arabia , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - State of the Art of lime manufacture
 - A potential process for production of gypsum board via gypsum
 - Storage and reclaim of FGD gypsum in wallboard production
 - Innovative production process for cement bonded slabs, bricks and tiles
 - Computer based training for cement industries
 - Isothermal calorimetry study of blended cements and its application in numerical simulations
 - On-Line quantification of clinker: a case study
 - Conditions monitoring on Girth Gear units - experience and developments
 - Kiln Doctor
 - Global warming, Kyoto protocol and role of cement industry
 - Durability of plain and blended cements in Marine environments



17th Issue September 2004

- Foreword
- About Oman Cement Company and Raysut Cement Company– Oman, AUCBM members
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - High Performance Cement and Advanced Ordinary Portland Cement Manufacturing
 - Condition Monitoring of Vertical Mill Drives Via the Internet
 - On-Line Analysis of raw mix with SOLAS in a cement plant in Lengfurt (Germany)
 - Kiln Doctor
 - AAF XLC Pulse Jet off line cleaned filters at CIMPOR - Portugal reduce bag filter operation costs
 - Modernization of EPCC's Control System with IndustrialIT
 - Are the Large AC adjustable Speed drives really better than DC drives for the cement industry
 - Wear Solutions - Now locally available



16th Issue June 2004

- Foreword
- About Arabian Cement Company– Libya , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Modern processes of white cement production in Egypt
 - Mobile Equipment for Flexible Quarry Operation
 - Comparative investigation of mechanical properties of plain and blended cement concretes subjected to different curing conditions
 - Geometry measurements of kiln shell in dynamic conditions
 - ProsCon® - a metering system for cement kilns
 - Kiln Doctor
 - Red Spot on the kiln shell
 - Refractories for the Cement Industry
 - GUNMIX® - a new gunning technology for refractories
 - New IKN pendulum cooler replaces a 35-year -old clinker cooler at leube
 - Mobile and semi-mobile crushers - a concept discussion
 - Seeing through cement dust
 - Bending and tempering, future shapes around the next bend



15th Issue March 2004

- Foreword
- About Ciment de Mauritanie– Mauritania , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Cement Industry in The Arab World (in Arabic and English)
 - Environmental Permit Procedures for Cement and Construction Manufacturing Facilities in the Emirate of Abu Dhabi
 - Metering bypass dust with rotor weighfeeder
 - Technology and design of a white cement plant
 - Bulk Material Transport "State of the art curved belt conveyor technology"
 - Buying Less - Getting More !
 - MATAM - Dirt Whacker
 - Reducing Downtime during shutdown, when castable installation, with shotcreting technology - Alfrajet
 - Rotary Kiln Alignment in Dynamic Conditions
 - Kiln Doctor
 - Shemal Expansion



14th Issue January 2004

- Foreword
- About Ciment de Mauritanie– Mauritania , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Metered Addition of Secondary Fuels for the Clinker Burning Process
 - Dioxin Emissions when using alternative fuels in the cement industry
 - Improving Cement Plant Operations with Chain Technology
 - Modern Dedusting of Cement-Kiln Gases
 - Complete Bulk Handling Tailor Made Solutions
 - Storage System Comparison
 - Shock-Blower
 - Kiln Doctor
 - Safety is a Communal Task
 - Grinding Aids



13th Issue September 2003

- Foreword
- About Ciment de Mauritanie– Mauritania , AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Metered Addition of Secondary Fuels for the Clinker Burning Process
 - Dioxin Emissions when using alternative fuels in the cement industry
 - Improving Cement Plant Operations with Chain Technology
 - Modern Dedusting of Cement-Kiln Gases
 - Complete Bulk Handling Tailor Made Solutions
 - Storage System Comparison
 - Shock-Blower
 - Kiln Doctor
 - Safety is a Communal Task
 - Grinding Aids



12th Issue June 2003

- Foreword
- About AlJabor Cement Industries Co. – Qatar, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - New Applications for Rotor Wighfeeders
 - Thermal Expansion Measurement on Ultra Thin Specimen Using the Optical Dilatometer MUSURAL LT
 - Quality Process Instrumentation Available on Line
 - Experimental and Numerical Research Program for the Design and Optimization of Various Aspects of Concrete Behavior
 - Hidden Chances in Concrete Construction - BAMTEC Brings More Capacity to the Construction Site
 - Etude Mineralogique du Clinker de Ciment par Traitement d'Images Microscopiques (in French)
 - Kiln Doctor
 - Cinar-FL-Soft Produce the Next Generation of Cement Plant Optimization Systems
 - Meso-Economic Indicators of Environmental Costs and Benefits for the Cement Sector in Mashreq and Maghreb Countries
 - The Most Important Operating Factors that Cause Diminishing f Production Capacity of Rotary Cement Kilns & How to Handle Them to Achieve Production Rates Nearer to the Original Design



11th Issue March 2003

- Foreword
- About Emirates Cement
Factories– UAE, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Cement Industry in the Arab World
 - State-of-the-art drying and automation technology for sanitary ware production
 - Empowerment as a driver of change
 - The New Generation of Moisture Measurement
 - Rotor weigh feeders for metering feed materials to cement mills
 - Modern metering Technology throughout the cement manufacturing process
 - Kiln Doctor
 - Rings and Build-Ups Formation in Cement Kilns
 - New Mechanical Ship Unloader for Cement



10th Issue December 2002

- Foreword
- About Yamama Saudi Cement Company – Saudi Arabia, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Case-study on Man-power Utilization
 - Update & Kiln Doctor
 - Occurrence and Characterization of Kaolin Deposits in the Sudan
 - Microplasmic Aluminum Coating
 - The BFR 2100 special purpose high speed, high pressure capillary extrusion rheometer
 - Does the abundance of chromite grains raise the efficiency of clinker mills?
 - The possibility of making use of lime in building materials products
 - Crushed Sand Concrete



9th Issue September 2002

- Foreword
- About Training Center at Yanbu Cement Company - Saudi Arabia, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Checklists for Evaluation of Refractory Lining Damage at Rotary Cement Kins
 - Emission Monitoring, Measurement of Dust Concentration in the Cement Industry
 - Mechanism of Action of Grinding Aids in the Cement Production
 - A new, Unique Rheometer for Measuring Extensional Viscosity
 - Magnesia Cements: Over a Hundred Years Old But Still Novel
 - Maintenance
 - Quality Control in Cement
 - Significance of Apparent Properties of Clinker Nodules Produced in Iraq



8th Issue June 2002

- Foreword
- About Societe des Ciments d'Enfidha-Tunisia, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Total Solutions Approach Simplifies Cement Plant Construction
 - Update & Kiln Doctor
 - Innovative EMC Filter Concept for the Cement Industry
 - Refractories for Petrochemical Industries - An Overview
 - A Better Working Environment
 - Cement Industry and Environmental Protection in Egypt: A pioneer Experience to abate Pollution and Central Monitoring of Emissions
 - Variation and Significance of the Content of Major Phases and a number of Parameters and Rations of Iraq OPC



7th Issue March 2002

- Foreword
- About Raysut Cement Company- Oman, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Cement Industry in the Arab World
 - Update and Kiln Doctor
 - ACO Moisture Measuring Systemes
 - TTPT: An Advanced Workability Tester for Fresh Cement and Concrete
 - Kalmatron KF-SEA Howell Enterprise
 - QuickFill Paper Sacks from Billerud
 - Effect of the Type of Local Red Bricks on Wall Properties and Building Costs
 - Proposed Mechanism to Put the Environmental Management System in Place



6th Issue December 2001

- Foreword
- About Yanbu Cement Company- Saudi Arabia, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - New Production line -Siemens Turn Key contract in Société des ciments Libanais (SCL) Chekka - Lebanon (in French)
 - The Cement Industry's Role in Climate Change
 - Update and Kiln Doctor
 - Operational Cases (Description and Solution)
 - A Perspective on Capillary Extrusion Rheometry
 - Use of Safety Glass in Different Applications is Growing Worldwide
 - Cement Projects Focus 2005
 - Types of Cement - Practical Experiments
 - Sulfate Resistant Cements (SRC)
 - Yamama Cement Company and Environment
 - New AUCBM Publications



5th Issue September 2001

- Foreword
- About Misr Cement Company (QENA)-Egypt, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Review of Performance of Bag Filter Systems at Gulf Cement Company
 - Update & Kiln Doctor
 - Low Shipping Costs & High Volumes Ahead for Cement Trade Shipping
 - DUOCAST® and XWIN® "Composite Materials" for Vertical Mill Tyres and Table lines
 - Modernisation et Extension des Ateliers Broyage CRU, Charbon, Ligne de Guisson (in French)
 - Interpretation of the Normal Cruve
 - The ETA 2100 and BFR 2100 Capillary Extrusion Rheometer systems
 - Removing Agglomeration and Upper Lining in Rotary Kilns
 - Effect of Cement Industry on Environment



4th Issue June 2001

- Foreword
- About Enterprise des Ciments et Derives d'Ech-Cheliff (ECDE)- Algeria, AUCBM member
- Arab News
- International News
- New Products
- Diary Dates
- Articles:
 - Emirates Cement Factory - UAE, Two Cement Lines Revamping
 - One Year of Operation of the IKN Pendulum Cooler at Kamari, Greece
 - Update & Kiln Doctor
 - Delta Bloc® - The Safety Barrier With System Well thought Out Safety Barrier Holds Back Even a 38-ton Truck
 - L'Efficacité Ecologique des Ciments Mélangés, Tendances et Possibilités d'Une Approche Ecologique (in Arabic and French)
 - Agglomeration in Cement Soils
 - Workability of Concrete
 - Factors of Fine Clinker Formation



3rd Issue March 2001

- Foreword
- Arab News
- About Saudi Cement Company- Saudi Arabia, AUCBM member
- International News
- New Products
- Diary Dates
- Articles:
 - Emirates Cement Factory - UAE, Two Cement Lines Revamping
 - The Tabuk Cement Company in Saudi Arabia
 - BEUMER System Technology For The Use of Old Tires and Tire Chips for Kiln Firing in The Cement Industry
 - Setting The Standards
 - EPSI N.V. - Engineering Pressure Systems International , Capability and Market Profile
 - PAPRA'S Rheometer Rebuilt and Refurbished!
 - Decreasing Pollution
 - Light Concrete
 - Design Steps to Reduce Burning Costs
 - Effects of Cement Industry on Environment
 - Data Bank of Ceramic Producers, Scientists and Consumers and a Study of Market Segments of Biological Ceramic and The Initial Technical Feasibility Study (1999)



2nd Issue December 2001

- Foreword
- Arab News
- About Arab Swiss Engineering Company "ASEC"-Egypt, AUCBM member
- International News
- New Products
- Diary Dates
- Articles:
 - Arab & World Cement Industry
 - Rotor Weighfeeders Used for Feeding Rwa Meal
 - Effects of Up To Date Technologies Used in The Drying and Firing Processes on The Productivity and Quality Control Having to Do with Clay Pipes Industry at Kepco - Egypt
 - Environment Protection by Lower of NOX in Cement Plants
 - External Lining: Its Properties and Behavior



1st Issue September 2001

- Foreword
- Arab Album
- International News
- New Products
- Diary Dates
- Articles:
 - Cement Industry in The Arab World
 - Flexible Multi-Element Analysis in the Cement Industry
 - Kiln Dedusting in the Cement and Lime Industry - Where Things Getting Realy Hot
 - Multidos - Weighfeeders Made by Schenck Process
 - Improving Products via Reductions of Kilns Stoppage
 - RetentionTime of Particles in Calciners of the Cement industry

