

**Table 1: new Russian cement capacity, 2012-16**

Company	Plant location	Greenfield (G)/ Expansion (E)	Capacity (Mta)	Completion date
Asia Cement	Penza, Volga, region	G	2.0	2013
			2.0	2015
Atrus Cement	Krasnodar	G	2.1	2016
Serebryansky (Basel Cement)	Oktyabrsky, Ryazan, Central region	G	1.8	2012
Beryl Delta	Zeya City, Eastern region	G	1.6	-
Eurocement	Podgorensk, Central region	G	1.0	2012
Eurocement	Spasskoe, Stavropol	G	1.3	2015
Eurocement	Yablonevy, Samara	G	2.4	2015
Ekoinvest	Nikoloskiy, Penza	G	1.2	-
HeidelbergCement	Celsa, Slantsy	E	1.0	2014
Iskitiment	Novosibirsk	G	1.3	2014
GRAS	Dagestan	G	1.5	2014
Kaluga Cement	Kaluga, Central region	G	3.5	2014
Lafarge	Ferzikovo, Kaluga, Central region	G	2.0	2012
Lafarge	Rostov-On-Don	G	2.0	2012
Mechel	Chelyabinsk	G	1.6	2012
Novorocement	Vekhnebakansy, Southern region	E	1.8	2012
Novorocement	Pervomaysk, Krasnodar, Southern region	G	2.0	2012
Novorocement	Proietariy, Novorossiys, Southern region	E	1.5	2013
NPO Ural	Chelyabinsk	G	1.0	-
Sebryakov Cement	Mihkailovka City, Volgograd	E	1.3	2013
Sibirsky Cement	Krasnoyarsk City	E	1.3	-
Spassk Cement	Spassk-Dalny, Primorsky Krai	E	1.0	-
Ulyanovskshifer	Sigileevsky, Ulyanovsk	G	1.2	-
Ulegorsk Cement	Donetsk, Rostov	E	1.0	-
Volgocement	Volgograd, Volgogradskaya	G	1.9	2014
<b>Total</b>			<b>42.3</b>	

of Bashkortostan. In July 2011 it opened its 2Mta TulaCement plant (see p38-42) and there is an option to double this capacity in the future. It also operates the KaliningradCement and Arkhangelsk import terminals.

Buzzi Unicem controls the Sukholzskcement plant, Sukhoi Log, Urals. The company's 1.3Mta dry-process line began operations in October 2010 and it also has 2.4Mta of existing wet-process capacity.

### Mergers and acquisitions

Mergers and acquisitions have been slow to occur in Russia's cement industry. The independent Gornozavodskcement owns a 2.7Mta wet-process plant near Perm, Ural region, and saw its production fall 66 per cent in 2009 after an unsuccessful takeover bid by Millhouse Capital (the investment vehicle of Roman Abramovich) and a drop in cement demand.

More recently, Vostok Cement acquired 51 per cent control of Yakut Cement in

December 2011. Lafarge and Eurocement also expressed interest at the end of last year in buying Basel Cement.

RCC also reached an agreement in principle with RATM-Holding to acquire 63 per cent on Iskitiment in March 2012 and an application is to be filed with the antimonopoly service to allow the acquisition to go through.

### New plants and upgrades

At least 25 greenfield or plant expansion schemes have been announced, and more than 20 are to be completed between 2012-16, adding some 42.3Mta of new capacity (see Table 1). A short description of some of the main new capacity additions follows.

In May 2012, Eurocement will open a new 6000tpd line at the Podgorensky plant, Voronezh region, 600km southeast of Moscow, to replace the existing line at the works. Commissioning began in January and the first cement shipment is expected in June. Full capacity of

2.2Mta is anticipated to be reached in 2013. The new facility is an FLSmidth turnkey project comprising a crushing plant, raw material stores, two hammer dryer crushers, raw meal silos, ILC three-support kiln with two-string preheater and SF Cross-Bar cooler, two UMS cement mills with FLSmidth MAAG Gear components and four cement silos, complete with an electrical equipment package. Pam Stroy was the silo contractor, while metal structures were provided by Inzhtransmonolit and LLC Yuzhtehmontazh JSC.

The cement market leader is also building a 1.3Mta plant in Spasskoe village, Blagodarnesky district, Stavropol region. The facility will have a single clinker line of 3500tpd capacity. Power consumption for the plant will be 35MW, the specific electric power consumption being 104kWh/t of cement. Plant completion is scheduled for 2015.

Meanwhile, the groundbreaking ceremony for the Eurocement's new





The Cemtech plant tour gave delegates the chance to view Fujairah Cement's new 7500tpd kiln

vigour, alternative fuels and waste heat recovery systems (WHR) formed a key part of the agenda. Presentations were delivered by **Karl Menzel** on the Vecoplan FuelTrack approach to treatment and handling of alternative fuels technology, and **Luc Rieffel** of the ATS Group talked delegates through the successful application of waste solid fuels in Asia and Africa. Following on, **Virendra K Batra** of Holtec Consulting, India, then demonstrated why WHR power plants are becoming an integral part of combined operations and explained the imperatives of customising WHR solutions.

Under the theme of grinding technology, **Dr York Reichardt** of Gebr Pfeiffer discussed some of the company's latest advances in vertical roller mill technology, highlighting recent project completions and newly-awarded contracts such as the world's largest vertical roller mill for Holcim (Brasil). **Mohammad Khoozestani** of Namadin Sanat Iran then discussed process control for optimising grinding performance in ball mills achieving 5-25 per cent increases in milling capacity with the same percentage in energy savings.

Delegates enjoy a sumptuous Gala Dinner under the Dubai night sky to mark the end of another successful event



Other aspects of cement manufacturing explored included the latest bagging advances from **Haver & Boecker**, high-efficiency clinker cooling by **Fons Technology International** and a case study of an ESP bag filter conversion at Holcim Lagerdorf, Germany, by **Scheuch**.

A session focussing on shipping markets and technology proved highly popular with **Joel Grau Lara** of Clarksons leading the way with forecasts

on dry bulk freight fundamentals. Here he observed that strong fleet growth will continue during 2012 which will put freight rates under pressure. Demand for drybulk commodities are expected to be strong and grow by six per cent this year. From a technical perspective, **Martin Paterson** of IBAU Hamburg described import terminal projects undertaken by the company at a number of European operations. Pneumatic conveying systems by **Claudius Peters** were later discussed by **Kamal Ghezlbash**, namely the company's Fluidcon system, which has 75 references worldwide.

#### Exhibition arena

A bustling international exhibition, held alongside the main conference, showcased the latest technology advances and services, providing an informal platform to create and develop commercial relationships.

#### Workshop and plant visit

A technical workshop, led by **Michael Clark** of e-Learning, looked at the cement kiln mass balance, clinker quality and emissions, providing plant managers,

process engineers and technical personnel the opportunity to develop an advanced understanding of modern cement manufacturing practices.

#### Touring Fujairah Cement Works

Delegates also had the opportunity to tour the recently-expanded Fujairah Cement Works, one of the most advanced cement operations in the Middle East. Located in the small town of Dibba, the company's new 7500tpd line, supplied by Polysius was the highlight of the tour, showcasing state-of-the-art technology in action.

#### Unbeatable hospitality

Cocktail receptions, superb three-course lunches and dinners and a partners' programme touring some of Dubai's traditional and modern attractions, all combined to make this Cemtech meeting a thoroughly memorable event. To conclude proceedings with a final flourish, delegates were treated to a Gala Dinner under the Dubai night-sky filled with fine food and entertainment featuring magic shows, acrobatic displays and live music.

With Cemtech Middle East and Africa now successfully completed, plans for next year's event are underway. In the meantime, we turn our attention to Cemtech Asia 2012, taking place in Jakarta, Indonesia, on 17-20 June 2012. Focussing on the high-growth markets of the Asia and Asean region the meeting looks set to be another busy event. We hope to see you there!

