

for fuel supply. The project remains subject to regulatory approval from the Nova Scotia Utility and Review Board and is targeting an in-service date of late 2012.

**Norske Skog's** Bio newsprint mill in Chile restarted production at the beginning of May, following the devastating earthquake earlier in the year.

**Smurfit Kappa** is temporarily stopping production at the Nanterre site, outside Paris, for the second consecutive year, removing 85,000 tonnes of capacity from the market. Downtime began on 1 April and will run for up to 31 weeks. The site produces corrugated cases from RCF.

**Smurfit Kappa** is planning to invest in a biomass energy plant at its Sangüesa facility in Spain, which produces 112,000 tpa of paper, of which 60,000 is used for corrugated board. Wood products are a key industry in Navarra, and SK is the biggest user of wood in the region, where half of the pinewood used at the mill is sourced locally.

**Södra Cell** has completed the investments which make its Värö mill the world's first fossil-fuel-free pulp mill. Södra has built a new evaporation plant; feed water preheating to produce more electricity; flue gas cooling for more district heating; and bark drying for optimum fuel for district heating supplies.

**Stora Enso** is to continue pulp, fine paper and sawn-wood production at Varkaus Mill, Finland. Late last year it announced plans to close the mill site permanently by the end of 2010 unless there was recovery in the office paper market, since which demand and prices have improved. The company is planning to keep the pulp

mill and fine paper mill in production while they remain financially viable; the operations of the sawmill and the biofuel joint venture with Neste Oil, NSE Biofuels Oy, and its demonstration plant, will also continue. However, the newsprint machine will close, removing around 290,000 tonnes of capacity.

Negotiations are under way at **UPM's** pulp and paper mills at Kaukas in Lappeenranta and Kymi in Kouvola, Finland, with a view to securing staff reductions of around 100 persons at each mill. After the planned restructuring, the number of employees at the Kaukas mill will be about 700 and at the Kymi mill about 600.

**UPM's** Otepää Plywood Mill celebrated its 10th anniversary in May. Otepää is the only plywood mill in Estonia and the second largest plywood maker in the Baltic Countries. It manufactures birch plywood from local raw material. In addition to standard plywood, the mill further processes top quality WISA plywood for use in transport and furniture industries and construction.

## SUPPLIERS

**ABB** has introduced a new High-Performance Infrared (HPIR) moisture sensor for the 800xA Quality Control System (QCS). Intended as a replacement for the HemiPlus moisture sensor, the HPIR is designed to improve the performance and reliability of both new and existing ABB QCS systems.

**Clariant** has launched Leucophor® VHR liquid, a urea-free, high white OBA designed for size-press applications.

**Heimbach** is pleased to

announce that an exclusive distribution agreement has been signed with **Yamauchi** for the supply of YAMA-BELT shoe press belts into the European paper industry. Modern paper and cardboard production facilities are increasingly furnished with shoe press technology. The required belts (press covers for shoe presses) will be integrated into the Heimbach paper machine clothing product portfolio and complement their Webmover transfer belts. This will allow Heimbach to offer its customers a complete range of clothing for all positions of the paper machine.

**Metso Corp.** has acquired the Viconsys web inspection and web break system business. The target of the acquisition is to complete the automation product and service offering to the paper industry.

**Metso Corp.** acquired **Tamfelt** in December, 2009, since when the two have been integrating their operations, as a result of which negotiations have started at Tamfelt Corp. and Tamfelt PMC Corp., at both Tampere and Juankoski plants, with a view to reducing the workforce by around 30. The negotiations do not apply to office staff and workers at the production departments. (On May 21 Tamfelt Corp. was renamed **Metso Fabrics**; however the subsidiaries **Tamfelt PMC**, **Tamfelt Filtration** and **Tamfelt Kiinteistöt** continue under their present names.)

**MoRe Research** and **Envall Consulting** have signed a co-operative agreement regarding problem solving and development projects in the pulp and paper sectors. Customers will now have access to both company's knowledge and pilot facilities.

**Voith Paper** has announced a continuous sensor for quantifying water weight in the former. The OnQ FormingSens sensor measures water weight continuously using high-frequency microwave technology.

**Voith Paper** has developed a non-contacting caliper sensor: LSC QuantumSens floats above the entire width of the paper web and works with a resolution of approximately 0.1µm. The sensor has been trialled under real production conditions, having been installed in a paper mill manufacturing thermal paper and also in one of the fastest newsprint facilities in the world.

## AND ALSO

The saga reported in the last issue of *Paper Technology* concerning one of the largest fake money printing scams in the North of England continues. The dynamic duo skipped bail after failing to turn up to court for sentencing. Leeds Crown Court issued an arrest warrant for Lee Mitchell, 38, of Broad Lane, Leeds, and Christopher Brooke, 28, of Swinnow Gardens, Swinnow, who were due to face prison sentences after police discovered their counterfeiting kit in a Leeds house last year. They were re-arrested when police stopped a Range Rover on the M62 near Saddleworth Moor, from which they recovered £250,000 in counterfeit cash. A search on a farm in Northhope the following day recovered approximately £350,000 of fake notes, as well as printing equipment. Four men, including Mitchell and Brooke, were remanded in custody, while a fifth member of the gang, Ursula Cole, was remanded on bail.

## NEWS BYTES

### MANUFACTURERS

**AbitibiBowater** has been fined over an accident at the Fort Frances mill, Canada. Two electricians suffered serious burns, and a student nearby received minor burns, whilst changing the power box for part of a paper machine. The power to the box was locked out, but the power to the cabinet containing the box was neither shut off nor locked out. As the electricians removed the power box a tool made electrical contact with a live conductor inside the cabinet which created an arc flash; this caused another arc flash from the live conductors overhead.

**AbitibiBowater** may emerge from Chapter 11 protection in October. The restructuring plan will see the company's debt decrease from US\$6.5 billion to US\$1.6 billion as it pays off secured creditors and debtor-in-possession financing. It will also offer up US\$500 million in new convertible notes to eligible unsecured creditors.

**Ahlstrom** has acquired Shandong Puri Filter & Paper Products Limited in China from the Purico Group. The Chinese company produces transportation filtration media and operates a plant in Binzhou, north-eastern China. The acquisition is subject to necessary approval from authorities.

**Appleton's** West Carrollton mill, which makes carbonless and thermal papers, has restarted production after being shut down on July 10 following partial collapse of a coal silo.

**Arctic Paper's** Munkedal Mill is to work with the Swedish Standards Institute to establish standards for the measurement of 'water footprints'. Currently the mill

uses under 3 l/kg (paper), making it a prime candidate for this work.

**Canfor Pulp Ltd** is to sell carbon offsets relating to emissions reductions at its Northwood Pulp Mill in Prince George, British Columbia.

**Catalyst Paper** has announced it is to close its Elk Falls paper mill in British Columbia with immediate effect.

**Domtar** and **FPI Innovations** have formed a new joint venture company to produce nanocrystalline cellulose at the Domtar pulp and paper mill in Windsor, Quebec.

**Georgia-Pacific** has acquired the Alabama River and Alabama Pine pulp mills located in Perdue Hill, Alabama, from Parsons & Whittemore. GP Cellulose will continue to run both production lines manufacturing hardwood and softwood pulps, and a fluff conversion project currently under way will continue.

**Holmen** has begun negotiations to reduce the workforce at the Hallstavik paper mill by around 150. The mill manufactures book paper and MF Magazine grades.

**Howe Sound Pulp & Paper**, whose Port Mellon plant (*illustrated in the last issue*) produces 400,000tpa NBSK and 230,000tpa mechanical paper, has been sold to Paper Excellence B.V.

**KapStone Paper & Packaging Corp.** has been registered as a producer of cellulosic biofuel – (black liquor). The company estimate the change in taxable status will result in a \$22M benefit.

**Mayr-Melnhof's** board machine BM3 in Frohnleiten, Austria, has been

rebuilt by **Voith Paper**, who changed the on-line air knife to a curtain coating station. It has become the first board machine using curtain coating for continuous online graphic coating.

**M-real** has finalised its consultation process with workers at the Alizay pulp mill, which will now be closed permanently.

**M-real** is to divest part of the Reflex Mill at Düren, Germany, to Metsä Tissue. The deal involves PM5, associated real estate and infrastructure assets. Metsä Tissue plans to manufacture grades that do not compete with M-real.

**M-real** is in statutory consultation regarding plans to reduce the workforce in the Äänekoski paper mill by around 50.

A new heat recovery step for heating process water went on line successfully at **Sappi Schweiz AG**, Biberist, Switzerland. **Voith Paper Air Systems** was responsible for designing and re-fitting the system by using exhaust air from the dryer section of PM9, making the existing multi-stage heat recovery system even more efficient.

**Rottneros** plan to invest in a new biological treatment plant at their Vallvik Mill.

**SCA** is purchasing the **Copamex** nappy business in Mexico and Central America. The acquisition will add to SCA's current portfolio of hygiene products in the region.

**Smurfit Kappa UK** has become the first UK manufacturer to achieve Chain of Custody certification for its entire UK corrugating and paper manufacturing output.

**Smurfit Kappa** has increased its use of renewable energy. Currently 48% of the energy it uses in

Europe and 25% in Latin America comes from renewable sources.

**Södra Timber** plans to construct a new sawmill in Värö, Sweden, with an annual capacity of 750,000 cubic metres. The company plans to use equipment purchased from the Adelebsen site of Germany's Klausner Group's.

**St Marys Paper Corp.** plans to restart the ground-wood pulp and paper mill in Sault Ste Marie, Ontario; production was curtailed in March this year.

**Stora Enso** is to close its newsprint mill at Maxau, Germany, from late November, which will reduce European newsprint production by 1.5%.

**Stora Enso** has sold its Kotka Mills division (producers of saturating base kraft paper, phenolic core stock, phenolic surface films and matt coated bulky printing paper), and the laminating paper operations in Malaysia, to OpenGate Capital, a global equity firm.

**Tembec** has announced the permanent closure of its Pine Falls newsprint mill in Manitoba. This follows the failure of an employee-led plan to purchase the mill as a going concern.

**Terrace Bay Pulp's** Ontario pulp mill, which has idled since February 2009, may soon be re-started.

**UPM's** Chapelle Darblay mill in Grand Couronne, France, has successfully retrofitted and started-up a **Voith Paper C-bar C** screen basket in an existing **Kadant-Lamort SPN 15** screening machine. The extra screening capacity allowed the permanent shutdown of one of the two parallel SPN 15 screens, resulting in energy saving and increased sticky removal.

Sachsen Mill in Germany, enhancing its capability to manufacture lower grammage grades.

**Smurfit-Stone Container Corp.** is to become a wholly owned subsidiary of **RockTenn**.

**Södra**, the Russian bank **VEB** and **Angara Paper** have signed a Letter of Intent regarding a feasibility study concerning construction of a 1.1M tpy softwood pulp mill in the Krasnojarsk area.

**UPM** has narrowed down the location of its proposed new biorefinery to two sites: Rauma, in Finland; or Strasbourg, France.

**UPM** is to acquire **Myllykoski** and its German subsidiary **Rhein Papier**. **Myllykoski** will continue to operate independently until the transaction is closed, which should be H1 2011.

## ENERGY

The Canadian Government's Green Transformation Programme is continuing apace. Recent recipients of loans include: **Alberta Newsprint Company**; **Cariboo Pulp and Paper Co.**'s mill in Quesnel – upgrade of existing boiler plant and construction of new steam turbine; **Nova Scotia Power** and **NewPage** Port Hawkesbury - 60MW biomass co-generation facility; **West Fraser Hinton Pulp**; **Northwood Pulp Mill** in Prince George, British Columbia – new recovery boiler; and **Zellstoff Celgar** mill - 48MW condensing turbine.

**Holmen** will purchase around 0.9TWh of electricity per year from Vattenfall for a six-year period beginning in 2016, which amounts to a third of its annual needs.

**Kruger Products** has installed innovative heat recovery technology in its Gatineau mill, which will reduce the mill's total

energy consumption by 11%.

**Norske Skog** has signed a long-term contract with Statkraft to supply 0.8TWh of electricity per annum to the Skogn paper mill, near Trondheim.

## SUPPLIERS

**ABB** has acquired **Baldor Electric**, a North American manufacturer of industrial motors.

**Andritz** is to acquire the pump manufacturer **Ritz Pumpenfabrik GmbH & Co. KG**.

**Andritz** has acquired plant engineering and construction company **AE&E Austria GmbH & Co KG**.

The potato starch manufacturer **Avebe** and the plant biotechnology company **BASF Plant Science** have announced an R&D alliance to investigate genetic modification of potatoes with the aim of producing fungal resistant varieties.

**BASF** and **Petronas** have signed a Memorandum of Understanding to undertake a joint feasibility study to produce specialty chemicals in Malaysia.

**BTG** celebrates its 90th anniversary – it was founded in Säffle, Sweden, by Dr. Torsten Källe, a pioneer in papermaking process control.

**Clariant** is planning to expand its global R&D activities at its site in Frankfurt, Germany. The new, 23,000 square metre “Clariant Innovation Center” is due to be completed by the end of 2012.

**MetalTek International** and **Sandusky International** have combined resources to utilize their experience in metallurgy and the centrifugal casting process.

**PMT Italia** has announced the formation of its Finnish subsidiary, **PMT Winding Oy**, located in Valkeakoski.

**Pöyry** has acquired 60% of the shares of **Silviconsult Engenharia Ltda**, a Brazilian forest-oriented consultancy.

**Pöyry Forest Industry Consulting Ltd** has changed its name to **Pöyry Management Consulting (London) Ltd**.

**Voith Paper** has introduced a new sensor for tissue production: **Voith LSC TecoSens**. It provides simultaneous online measurement of fibre weight and moisture using IR spectroscopic measurement.

**Voith Paper** has claimed a first: use of carbon nanotubes (CNT) in the manufacture of a paper forming fabric. The forming fabric is currently also the world's largest CNT industrial application.

## INDUSTRY

**CTP** has unveiled its new “chromatogénie” pilot line. Manufactured by **Allimand**, it has been designed for the development of barrier papers, with the intent of making them resistant to water and gas whilst remaining recyclable and biodegradable.

**PEFC**, whose standards govern the certification of two-thirds of the total global certified forest area, has published revised standards for sustainable forest management, chain of custody, standard setting, group certification, and logo usage.

**SCA** is involved in a

number of high value-added projects using the company's large quantity of forest raw materials. One example at **SCA Packaging** involves replacing oil-based plastic with an environmentally friendly alternative based on raw materials from the plant world. Another initiative, the **Virgin Car**, involves creating environmentally friendly cars based on biomaterial in a partnership between **SCA**, **Volvo** and others.

**Scarab Genomics** and the **Wisconsin Institute for Sustainable Technology** have started a research agreement to produce isoprene from paper and pulp mill waste streams. Isoprene can be used to manufacture aviation fuels or latex for use in rubber products.

## AND FINALLY

**INGEDE** recently highlighted problems concerning the deinkability of prints from liquid-toner films, such as those produced by the **HP Indigo** press. A German graphic paper mill noted an increasing spec count in paper made from waste which included material from a photo book printer. Liquid toner prints constituted under 3% of the furnish, yet the problem meant around 140T of finished paper had to be dumped. Currently **INGEDE** suggest liquid toner prints should be avoided from deinking operations until further research is performed on how they should be treated.

## SUBSCRIPTION REMINDER

Please note the deadline for Membership/Paper Technology Subscription payments is drawing ever closer. In order to ensure your membership/subscription remains uninterrupted please ensure your 2011 payment is up to date. If you are unsure as to whether payment has been paid please contact Helen in the PITA Office who will be happy to check the status of your payment for you.