PerformancePartner

HPIR: ABB’s revolutionary new moisture sensor. 03
ITC integrates and streamlines its India operations. 06
ABB helps Corenso create its own destiny. 09
System 800xA: Evolution through enhancement. 11
As we emerge from what has been one of the more challenging global business environments of a generation, ABB’s Pulp and Paper Business Unit finds itself as a clear leader among the suppliers of power and automation systems to the pulp and paper industry. Our commitment to the industry has not been abated by the challenges we have all faced. To the contrary, over the last year business and product decisions we initiated are helping our customers adapt to changing business conditions.

In today’s economy, companies are under more pressure than ever to achieve greater results with fewer resources. ABB is actively helping our customers attain this difficult balance. By focusing on servicing the real needs of our customers, ABB is enabling them to do exactly that; “Achieve greater results with fewer resources” is one of our most important customer commitments in the current business environment.

In this edition of PerformancePartner you will find stories about ABB’s commitment to our installed base. With our Evolution Through Enhancement strategy, ABB is delivering incremental improvements to the installed systems of both ABB and third-party suppliers, allowing system owners to meet their business objectives in an incremental way that gives them the lowest risk and best ROI.

ABB’s Evolution Through Enhancement strategy is not a system replacement; it is a well thought out plan, allowing system owners to adapt new capabilities at their own pace, according to their own needs. We have a feature story about CPM solutions for ITC’s Bhadrachalam, Kovai and Tribeni mills. Another story shows how Stora Enso’s Corenso has upgraded and improved on a very large portfolio of ABB products including QCS measurements and actuators, Drives systems and CPM solutions.

Consideration of the lifecycle impact of products is embedded in our R&D and product design process. ABB has not only pioneered many of today’s power and automation technologies...
for pulp and paper, but maintains a technology advantage with sustained investment in research and development. Our R&D strategy continues to be driven by our customers' need to improve performance while minimizing cost. R&D is crucial for a high-tech company such as ABB, and our investments have paid off with a steady stream of truly innovative technologies. In this edition of PerformancePartner you can read about the latest such innovation, the High-Performance Infrared (HPIR) moisture sensor. ABB can't meet all of a company's business challenges alone, but by being your long-term partner we can make a significant contribution through our existing portfolio of technologies, through our commitment to service, and by focusing our research and development on finding solutions that will continue to deliver power and productivity for a better world.

Articles

03 HPIR
ABB, the pioneer in Quality Control Systems, introduces its new High-Performance Infrared (HPIR) moisture sensor.

06 ITC Paperboards and Specialty Papers Division
ABB's latest technology integrates and streamlines operations at ITC.

09 Corenso North America
Corenso changes product and ABB helps to make a smooth transition.

11 System 800xA
ABB's "Evolution Through Enhancement" develops new products that allow for incremental adoption, minimum risk and maximum investment protection.

Latest ABB news

13 New orders and news from around the world.

To learn more about any story or product in PerformancePartner, contact your local ABB representative and visit www.abb.com/pulpandpaper
The High-Performance Infrared moisture sensor is the latest step in ABB’s 50-plus year history of providing innovation to the pulp and paper industry.
With HPIR’s highly precise moisture measurement, mill operators can confidently use CD control for faster start-ups and grade changes. Papermakers can shift their moisture targets closer to acceptable quality limits, saving energy and reducing fiber costs while remaining within the paper grade’s quality specifications. Precision depends heavily on the number of measurements made within each data-box. HPIR sets a new standard for this precision by calculating measurements 5,000 times per second. The result is less measurement noise per data-box.

HPIR also continues the industry-leading accuracy performance of ABB moisture measurement across the full range of a customer’s paper grades.

High resolution for greater insight
Moisture streaks in a paper machine’s cross direction often indicate there are problems with felts, wires, coating stations or CD moisture actuators. High resolution moisture measurement resolves these streaks, and can also help system engineers define a better process model for improved CD control performance. The HPIR sensor measures moisture streaks as narrow as 4 mm and displays them clearly on the ABB QCS profile displays and contour maps.

Broadband performance advantage
Until now, infrared moisture sensors have been designed to mechanically block the measurement beam at high frequency to suppress background radiation. Known as beam chopping, this method reduces the signal-to-noise ratio by a minimum factor of two. In addition, the chopping frequency places a fundamental Nyquist frequency limit on the measurement bandwidth. HPIR measurement is
High-Performance Infrared (HPIR) sensor

The compact optical and electro-mechanical design is robust and inherently stable, ensuring high performance even in severe environments. The innovative optical design doubles the signal to noise ratio of the instrument, removing bandwidth constraints imposed by chopping to provide an industry leading moisture measurement rate.

Different – it does not chop. While measuring, HPIR continuously measures and simultaneously compensates for background radiation, boosting signal and measurement rate. This combination of high spatial resolution and high measurement rate ensures that HPIR does not miss anything while providing an accurate and precise measurement of transient moisture features.

Elegant simplicity
A more reliable and robust sensor design means less paper machine downtime for troubleshooting or swapping sensors. HPIR is air-cooled and has no continuously moving parts. The sensor’s modular design allows for field replacement of modules, avoiding repairs at the manufacturer’s shop and eliminating the need to stock a complete spare sensor.

HPIR simultaneously analyzes multiple wavelengths of infrared energy transmitted through the sheet to provide accurate high-speed measurement of percent moisture. The infrared energy is transmitted to three Indium Gallium Arsenide (InGaAs) channels housed in a temperature controlled chamber while an algorithm computes the percent moisture using the three detected signals and a fourth channel from the paper’s infrared Planckian radiation derived from temperature measurement. This algorithm is used to calculate percent moisture, without the need for a basis weight measurement below 350 g/m² (215 lb/3,000 ft²). The measurement is insensitive to sheet temperature, furnish variations and moisture layering.

The compact optical and electro-mechanical design is robust and inherently stable, ensuring high performance even in severe environments. The innovative optical design doubles the signal to noise ratio of the instrument, removing bandwidth constraints imposed by chopping to provide an industry leading moisture measurement rate.

The Network Platform Service Workstation software monitors the health and performance of the HPIR sensor and provides robust diagnostics.

HPIR features
- High bandwidth response for each wavelength channel (minimum 5,000 moisture calculations per second). Each calculation is statistically independent resulting in precise, high resolution measurement that is not affected by scan speed or sheet speed
- Continuous measurement while scanning with no beam chopping, ensuring optimum signal-to-noise ratio and maximum measurement rate
- High speed, low-noise Indium Gallium Arsenide detector technology
- Efficient optics and continuous measurement improve signal-to-noise ratio while unique high-transmission fiber optics deliver the same signal to each channel so that each channel is measuring exactly the same spot on the sheet with minimal signal loss
- Small measurement spot size (4 mm)
- True edge-to-edge measurement within 1 cm of the edge
- Temperature control of detector and source assemblies (no water-cooling), for long life and increased stability
- Built-in heated air wipes normalize the temperature in the measurement gap, eliminate condensation and prevent dust accumulation
- Linear calibration range and excellent instrument stability minimizes online correlation for fast startups and long-term results
- Factory pre-calibration for base curve and inter-instrument agreement
- ABB diagnostic tools provide easy set-up and detailed service interface
New technology integrates and streamlines operations at ITC

ABB’s System 800xA links systems at ITC’s Bhadrachalam mill, while cpmPlus Smart Client collects and monitors critical mill data from three different locations in India.
The executive team at ITC’s Paperboards and Specialty Papers Division, India’s largest, most technologically advanced and most eco-friendly paper and paperboards business, has always been committed to using technology that can help them sustain market leadership. After assessing available automation for system integration and data management, they chose to invest in ABB products.

At the Bhadrachalam mill, ITC needed a complete automation solution including a Distributed Control System (DCS), Quality Control System (QCS) and drives for a new paper machine. Meanwhile, ITC’s Bhadrachalam, Kovai and Tribeni mills needed a more effective way to manage information.

To meet these challenges, ITC invested in ABB’s System 800xA DCS, Paper Machine Drive System PMC800 with ACS800 Multi Drive and AC induction motors, Smart Platform 1200 QCS and CD actuators, as well as a cpmPlus Smart Client.

**World-class paper manufacturing**

ITC is India’s largest coated board exporter. At its four mills, ITC produces a wide spectrum of packaging, graphic, communication, writing, printing and specialty paper. The company is known for using world-class manufacturing products and methods. ITC products range from pristine food-grade boards to 100% recycled boards.

ITC’s paperboards and specialty papers business are India’s market leaders in the paperboards segment, and ITC also has a significant share of the fine papers market.

Each of ITC’s four mills are ISO 9001, ISO 14001 and OHSAS 18001 certified and meet strict environmental and safety regulations. All four mills specialize in a range of products and together produce more than 500,000 TPA of paper and paperboard that meet stringent quality requirements.

Bhadrachalam is India’s largest integrated pulping and paperboard mill. Bhadrachalam produces paper used in packaging and graphic applications, as well as fine printing papers. The mill manufactures pulp made with elemental chlorine free technology, which significantly reduces toxins and creates a greener product that is also brighter and stronger.

ITC’s Kovai mill only manufactures recycled boards and has a strong environmental focus. A big part of their environmental commitment: they recycle waste paper on-site.

The Tribeni mill specializes in fine papers and tissues. The mill produces cpmPlus Smart Client utilizes the extended automation capabilities of System 800xA technology to provide intelligent data access and viewing functions that assist all levels of personnel in making quick, informed decisions, taking the appropriate action and, as a result, improving performance.
opaque papers used in fine printing products like religious texts, dictionaries, medical grade papers and electrical insulation papers.

The Bollaram mill manufactures food grade boards and specialty boards.

ITC says their strong customer focus is reflected in their diverse range of products and services, and in the way that they partner with customers. The company’s quality philosophy is held by employees at all levels and reflected at every production stage.

Integrated automation
In 2008, the Bhadrachalam mill started up a new paper machine to be used for producing writing, printing and copier paper. The mill wanted to integrate their drives, DCS and QCS, and they wanted to integrate their old hardware and sensors with the new QCS. To meet these goals, ITC ordered a new System 800xA DCS, QCS and drives.

ABB’s System 800xA is a real-time automation and information solution based on open technology and the latest global standards. System 800xA seamlessly integrates every component of an operation so mill personnel can swiftly access information from any workstation connected to the network. With the easily accessible information, operators and managers can predict and react quickly to all the demands of the dynamic papermaking process. The result: gains in efficiency and productivity, and reduced energy use.

System 800xA contributes to higher returns on assets and reduced total cost of ownership. The open architecture allows third-party applications to be smoothly integrated, and provides mills with the flexibility to implement functions needed today while adding others as requirements evolve.

First cpmPlus Smart Client in India
ITC ordered the first cpmPlus Smart Client installed in India for its Bhadrachalam, Kovai and Tribeni mills.

ITC wanted a centralized monitoring system that would gather critical process and production data from the three mills, which are spread across India. ITC wanted online data to be easily accessed by personnel located in their head office and their mills. They also wanted data integration with their SAP system.

The ITC team knew it would be challenging to integrate data and systems from three separate mills. And they also knew seamless information management from a third-party DCS could also be difficult. The cpmPlus Smart Client met these challenges.

Smart Client provides a true browser-based thin client that seamlessly retrieves data from System 800xA and connects third-party systems.

Smart Client eliminates duplicate engineering and makes data available in a simplified display that requires no programming. Importantly, by streamlining data collection and retrieval, Smart Client helps mills lower their overall costs.

With the new ABB automation, the Bhadrachalam mill can now completely integrate their drives and QCS with their DCS. And three ITC mills have a better way to view and monitor data.

ITC: Creating enduring value in India and beyond

With annual sales of USD 6 billion, ITC is one of India’s largest companies – but it’s a world leader for more than just its profits.

As one of India’s most respected corporations, ITC is widely perceived as public spirited and patriotic. Chairman Y. C. Deveshwar calls this source of inspiration, “a commitment beyond the market.” He says: “ITC believes that its aspiration to create enduring value for the nation provides the motive force to sustain growing shareholder value. ITC practices this philosophy by not only driving each of its businesses towards international competitiveness but by also consciously contributing to enhancing the competitiveness of the larger value chain of which it is a part.”

ITC is rated by Forbes magazine as one the World’s Best Big Companies, Asia’s “Fab 50” and the World’s Most Reputable Companies; by BusinessWorld as one of India’s Most Respected Companies; and by Business Today as one of India’s Most Valuable Companies. ITC ranks among India’s “10 Most Valuable (Company) Brands” in a study conducted by Brand Finance and published by the Economic Times. Business Week also listed ITC as one of Asia’s 50 best performing companies.

The company’s diversification philosophy is based on its corporate strategy of creating multiple ways to drive its growth. All products are anchored in ITC’s core competencies that include strong distribution, superior brand-building capabilities, effective supply chain management and powerful service skills.

ITC employs over 26,000 people at more than 60 locations across India, and has more than 3,500,000 shareholders. This company vision is captured in its corporate positioning statement: “Enduring Value. For the nation. For the Shareholder.”

A company with a conscience, ITC has spearheaded numerous social and farm forestry programs that help create employment for the rural poor. Several are also a sustainable source of high-quality raw material for its business. More than 100,000 hectares of plantings underscore ITC’s strong commitment to sustainable forestry. ITC’s Paperboards and Specialty Papers business has been a pioneer in collecting and recycling consumer waste from homes, corporations and schools. Committed to clean technology, ITC is a front-runner in introducing environmentally-friendly technologies. The company focuses on being a carbon-positive, water-positive, zero-solid waste disposal organization.
Because of changing market conditions, Corenso knew they had to rethink their business. The mill’s management team decided to switch from fine paper to coreboard production. ABB helped them make a smooth transition – and two years later, mill personnel are happy with their decision.
When Stora Enso acquired Consolidated Papers in 2000, PM12 at the Wisconsin Rapids, WI, mill was a coated fine paper machine. Nowadays, it is the prize asset of Corenso North America, a 100%-owned subsidiary of Stora Enso. It no longer produces fine paper but has been converted to produce coreboard (core, tube) and grades for the industrial packaging market. In 2002, Corenso North America was formed as a unit of Finnish-based Corenso United. Corenso United was a joint venture between Stora Enso and UPM. Stora later bought out UPM's shares.

In 2007, Stora Enso sold its North American assets to NewPage but Corenso North America was not part of the deal. Corenso North America now leases the space it occupies in the Wisconsin Rapids mill.

At that time, a feasibility study was conducted on converting PM12 for coreboard production. In March 2008, the final rebuild on BM12 was complete.

The mill now produces about 11 grade families. A core for coated paper running on a modern, high-speed press has much more demanding properties than a mailing tube. Design capacity of BM12 is now 85,000 tons/yr and, “That’s where we’re headed to,” says Mark Ellis, director of coreboard operations for Corenso North America.

As well as the new equipment, the mill was able to re-use older technology such as the Smart U-Frame Scanner and Smart Calender Profiler. “ABB determined what was needed to get the paper machine up and running again with the new, thicker paper,” Ellis adds.

New pieces include the dilution control equipment for the headbox, Air/Water xP moisture profilers, ABB’s newest System 800xA automation system as well as the distributed control and quality control systems.

A drives package was also included. The older dryer drives were integrated with new digital front end technology into a complete paper machine control system. New AC drives were installed on the wet end.

ABB also supplied a CPM: Collaborative Production Management solution - a production management system that takes orders, plans trims and tracks the rolls. Corenso is also testing cpmPlus Smart Client, which is a high-level program that looks at all the paper machine information such as operating and energy data. It also has trending capabilities.

Corenso has a service contract with ABB for technical support and to help with any issues that may arise with the control systems. ABB has personnel on site, both at Corenso and NewPage.

**Customers approve**

“BM12’s product has been very well received in the market,” Ellis says. “The quality is better off BM12. The top grades are stronger than the top grades off BM13. We are the top producer of high-strength coreboard in North America.”

“This is a more a technical product than people realize,” Ellis says. “There is a lot of demand on cores for various end products.”

The mill was able to keep its original customer base and with the increase in production has also expanded its market. And, word of mouth about Corenso’s high quality has also led to new customers asking for its products. “We had a good base because external clients wanted more and others were asking for Corenso’s coreboard,” Ellis explains.

**More to do**

Although the mill has come a long way, there is still much to do. Ellis says they are still in the "learning curve" for the machine although it is already up to 800 ft/min. “There are a number of things we are looking at. We want to invest in the business,” Ellis says.

Potential projects include improving energy efficiency. For example, in 2010, a 300 hp screen motor will be replaced with a 75 hp unit. Corenso is also looking at reducing water consumption as well as improvements to the slitting section and packaging line.

The packaging line was not touched in the original project so the mill is looking at increasing automation, including the use of robots, to improve productivity. The loading bay is also under observation to see if the way the finished product is shipped can be made more efficient.

Considering all changes that have happened at the mill, Ellis says the projects were “challenging and interesting”. However, the team appears to have chosen the right path.

Based on an article appearing in Pulp & Paper International magazine.
System 800xA: Commitment to the future

ABB has an established history of “Evolution Through Enhancement”, developing new products in a way that allows for incremental adoption, minimum risk to operations and maximum investment protection.

Since its introduction in 2004, ABB’s Extended Automation System 800xA has been sold to more than 6,000 new and existing ABB customers in a diverse range of industries – from pulp and paper to pharmaceuticals. This figure includes new system installations, as well as existing ABB system evolutions to 800xA.

Designed from the beginning to act as an integration platform, it has been proven to promote collaboration, improve operator effectiveness, achieve seamless control solutions and provide flexible evolution paths through integrating diverse, usually separate mill systems, applications, information or fieldbus and controller platforms.

The newest version of System 800xA, released on July 13, 2010, includes enhancements to improve overall system performance and usability while significantly reducing its physical footprint, promote operator effectiveness, ease of use and deeper integration with smart devices and electrical systems.

Improved operator effectiveness: System 800xA 5.1 includes advanced alarm management capabilities that help users implement successful alarm management strategies, as well as providing operations personnel with better control of responsibility between control rooms and other operating locations. The new release also includes a new Point of Control feature that improves coordination of operators during critical periods, such as shift change, providing a safer, more secure operating environment.

Improved engineering and change management: The new release includes multiple engineering improvements, such as simplified bulk data handling when engineering FOUNDATION Fieldbus projects, and a new and improved batch procedure editor. In addition, two new features improve and streamline change management procedures. The Task Analysis Tool lets the user evaluate how the application will be executed based on the current task rates assigned prior to downloading. The Detailed Difference Report provides a way to easily see changes made in control applications and graphics and provides a report of exactly what has been modified.

Improved performance: Several performance enhancements make System 800xA’s already robust Control and I/O offering even more versatile, flexible and scalable. The latest version includes a new member of the AC800M controller family, the PM891, which has three times the clock speed (450 Mhz) and four times the memory of its predecessor.

Reduced footprint: The latest version of System 800xA reduces the physical number of PCs required by as much as 75%. This significantly reduced footprint also reduces energy consumption and maintenance requirements. In
addition, improvements made to System 800xA’s FOUNDATION Fieldbus architecture have greatly reduced the infrastructure requirements for its High Speed Ethernet (HSE) network approach, increasing the number of devices that can be connected to one node by 400%.

Enhanced maintainability: The newest version of System 800xA includes a System Administration Console and a Security Update Tool to help keep the system running securely and at an optimum level.

Improved connectivity: The System 800xA portfolio of communication interfaces has been enhanced to help users further leverage its powerful integration capabilities. These include new communication interfaces for PROFINET, DeviceNet, and WirelessHART. System 800xA’s FOUNDATION Fieldbus interfaces also now support EDDL.

To provide even deeper and wider integration with electrical systems, System 800xA’s IEC61850 Communications Interface capability has been enhanced by increasing the number of supported Intelligent Electrical Devices (IEDs) per communication interface card and by improving alarm and event support.

By integrating power and process systems, customers optimize the design and performance of their electrical and automation systems. They also see additional benefits in reduced maintenance, engineering and overall lifecycle costs. According to ARC, typical savings can result in a 20% reduction in CAPEX (capital expenditures) and OPEX (operating expenditures) by integrating these two, usually separate, automation infrastructures.

ABB’s groundbreaking Extended Automation System 800xA is an evolving structure that has a continuous lifecycle, and with correct maintenance and upgrades can provide its users with the highest possible benefit at the lowest risk.

Along with ensuring high reliability, keeping an industrial automation system up to date will allow the user to easily take advantage of new and advanced technologies without having to exchange the complete system.

From a product point of view, this strategy is business as usual at ABB. Its pledge of Evolution Through Enhancement has extended the life and the return-on-investment of installed System 800xA systems. From the world’s largest pulp mills to small single machine paper companies, System 800xA has proven that it can deliver results.

System 800xA is more than just technology. It provides papermakers with the tools to do a better job. As a manager, engineer, operator or maintenance person in a pulp, paper or tissue mill, you will benefit from an investment in ABB’s System 800xA, now and in the future.
Major papermaking orders

China
ABB secured the first Direct Drive order in China from Sun Paper. The order included paper machine drive systems, plus drive systems for two supercalenders and two winders.

ABB won an order from Sun Paper to supply wet-end chemicals systems, batch coating color, sizing starch preparation and coating plant effluent treatment by ultrafiltration.

Baiyun Paper Company’s Baiyun mill, owned by Henan Investment Group, awarded ABB with an order for automation and drives to be installed on its new paper machine.

ABB won an extensive order from Shougang (Chenming) Meilun. The mill purchased four Network Platform NP1200s with Basis Weight, HemiPlus Moisture, Optical Caliper and Ash, Color sensors for their PM6; two Network Platform NP1200s with Gloss and Optical Caliper sensors for two supercalenders; and a Network Platform NP1200 with Basis Weight and HemiPlus Moisture sensors.

Chemical Delivery Systems has been awarded a contract for the engineering, procurement and commissioning of wet-end chemical batch preparation and delivery systems, and a surface sizing preparation and feeding station, from Zhumadianshi Baiyun Paper Co., Ltd., in Hunan Province.

Columbia
ABB achieved a win at Propal when the company ordered its second ABB Web Inspection System, including four 2k cameras with LED transmission and ABS.

Germany
ABB secured a key order for a Web Inspection System from Niederauer Muhl. The purchase includes electrification, drives, QCS, DCS and installation.

India
ABB achieved an order from Murali Industries. The purchase includes a Network Platform NP700 with Basis Weight, HemiPlus Moisture and GT Caliper sensors for their PM1 and PM3.

Indonesia
ABB won an order from PT Fajar Surya Wisesa Tbk to supply surface sizing chemical preparation and feeding systems, QCS and DCS, for their PM5.

APP Pindo Deli awarded ABB with an order for their PM8 that includes nine 2k cameras with LED transmission and IJM.

Italy
Guachino ordered their first Web Inspection System. The system will have six 2k cameras and LED transmission.

ABB won an order from Burgo Duino for 10 2k cameras with halogen transmission and ABS. The cameras will be installed on PM2.

Korea
ABB won a significant order from Hansol JangHang for automation for their CM2. The system has 14+14 4k cameras for top and bottom side streak measurement with reflection LED illumination. Also included in the order: two Network Platform NP1200 with Basis Weight, HemiPlus Moisture, Coat Weight xP sensors, three upgrades from Smart Platform to Network Platform, QCS and PM Drives.

Kukil Paper awarded ABB with an order for combined reflection transmission measurement for their PM2. The new system has two 4k cameras.

Mexico
ABB won an order to engineer, deliver and commission the electrical systems for a new tissue production line at SCA. The delivery includes control and monitoring systems for power distribution, new generation Motor Control Centers, frequency converters and high efficiency motors as well as a complete paper machine sectional drives system.

Norway
ABB won an order from Södra Cell’s Tofte pulp mill to deliver an IEC 61850 that will be integrated with the mill’s existing System 800xA.

Philippines
ABB Singapore won a USD 2.5 million electrification order from Schweitzer-Maudit International Inc. for the company’s greenfield RTL mill at Batangas. The delivery includes 34.5 K V AIS Switchgear, 2MVA ONAN transformers, LV MCCs, 19 Softstarters and LV Motors.

Poland
Mondi Swiecie awarded ABB with an order for QCS800xA and DCS for their PM2. The delivery includes Network Platform NP1200 with sensors for basis weight, moisture and caliper and DCS for approximately 100 loops.

Sweden
ABB secured an order to deliver a complete upgrade of the switchgear, drives and motors for Södra Cell Morrum’s System 800xA.

Billerud Gruvön awarded ABB with an order for pulp boiler instrumentation and an upgrade for their System 800xA. The project includes controllers, operator stations, process I/O, configuration, FAT, startup and training.

Switzerland
ABB won an order for drives from Sappi Biberist.

Thailand
Thai Paper Corp. placed an order for a new Web Inspection System for their PM5 with five 2k cameras with transmission LED light and Ink Jet marker.

United States
ABB won an order from GP Crosset to replace an existing web inspection system on their coated board machine. The order includes three measurement beams, two bottom side and one top side.

Good references from US and Canadian papermakers won ABB an order from Domtar Rothschild for a Web Inspection System with six 2k camera system and LED transmission for their fine paper machine.
ABB takes Houston by storm

Attendees are hailing this year’s ABB Automation & Power World, held May 18–20 at the George R. Brown Convention Center in Houston, Texas, as the best yet. Attendance exceeded expectations and the show attracted a record number of participants. Automation & Power World was a comprehensive users conference and exhibition that showcased ABB’s extensive automation and power offerings and expertise under one roof.

Automation & Power World attracted over 4,000 attendees from 47 countries. Most people attending ABB Automation & Power World gave ABB staff an excellent opportunity to interact with our process and power customers and to show them the full “Power of Integration.”

The Control Systems booth was busy every day as customers stopped by to see the new features of System 800xA, cpmPlus Smart Client and our safety solutions. A new, more powerful AC800M controller was on display, along with new wireless equipment from P&F and ABB.

The new Control Systems Support for Life Pavilion was also popular. Customers visiting this booth learned about ABB offerings including front end engineering studies; project implementation; field service, parts and repair; training; remote enabled services; consulting; optimization services; Automation Sentinel and evolution services.

Automation World China showcases ABB’s latest products

Automation World China, held from May 11–13 in Shanghai, was the biggest customer event for ABB in China this year. Opening with the theme of “Smart Technologies and Energy Efficiency”, the trade show illustrated how ABB is a market leader that brings customers sustainable benefits in energy efficiency, product quality and productivity.

Automation World China began with an opening forum, 87 seminars, a comprehensive technology and product exhibit, and a gala dinner. Over 1,700 participants attended this three-day event.

ABB Group Chairman Hubertus Von Gruenberg attended Automation World China along with three ABB division heads. ABB’s executive participation was an important factor in attracting top level management from the customer side, plus a major motivation for ABB employees.

One of the reasons why Automation World China was so successful for ABB is that local ABB divisions combined in a joint effort to present the full automation and power capabilities of solutions, products and service.

The show’s target audiences were top and mid-level paper industry executives, key technical and sourcing personnel, channel partner representatives, government officials and scientists.

ABB launches the new High-Performance Infrared Sensor

The Zellcheming Expo, June 29–July 1, 2010 in Wiesbaden, is the leading annual event of the pulp and paper industry in Europe.

In recent years, ABB has always presented something new at Zellcheming and this year ABB’s QCS Marketing Manager Eamon Devlin introduced the new High-Performance Infrared (HPIR) moisture sensor for the QCS800xA Quality Control System.

The new HPIR, a replacement for ABB’s popular HemiPlus moisture sensor, is designed to improve the performance of both new and existing ABB QCS systems.

“The HPIR sensor gives papermakers tighter CD control, and faster start-ups and grade changes,” says Declan Byrne, Head of Sales and Marketing, ABB Ltd. Quality Control Systems. “Papermakers can shift their moisture targets so they are closer to their quality limits, which helps them save on energy and fiber costs.”

In recent years, it was mentioned that ABB has always presented something new at Zellcheming. The innovative path the company takes was confirmed by ABB’s Paul Goss, Sales Manager Central Europe Paper Systems, “The industry will hear more of us in the coming months! The next novelty will probably be in the field actuators and program development systems.”
Maximizing the performance of what you have, adding cutting edge technology to existing systems or just fixing something that’s broken are all things pulp and paper companies should expect from their automation and electrification partner without regard to the age of the system. The expectations for an industry pioneer like ABB have never been higher and we can meet those expectations.

www.abb.com/pulpandpaper