Well, as I write this the Labor Day weekend, the unofficial end of summer, is only two weeks away. My how the summer has flown by!

In the last quarter, PUPID has lost 15 members and is still below 300 at 271 members; but we have had 9 new members.

In this Summer “Logger” newsletter, I am pleased to include two presentations from the 2016 Process Control & Safety Symposium by Steve Obermann of Metso and Maurice Wilkins of Yokogawa. You can see the presentation by clicking on the link on page 18.

The 2017 Process Control & Safety Symposium will (again like the past three years) be at the Westchase Marriott in Houston on the second week of November. I look forward to seeing some of you there. See his letter to the editor on page 20.

Ronaldo Neves Ribeiro of CENIBRA is the PUPID representative working with the program committee for the ABTCP 2017-50th Pulp & Paper International Congress & Exhibition this September 23 – 25 at the Transamerica Expo Center in Sao Paulo, Brasil

Please do not hesitate to contact me at Brad S. Carlberg, P.E., CSE or to discuss how you can help PUPID.

I hope to encourage you to become more involved with the Division and to enroll more members.

Do feel free to forward the Newsletter to your friends and colleagues who may have an interest in it.
**Tuning Tip CSE PE Review Question:**

(Taken from the “Control Systems Engineering (CSE) Study Guide” – 5th Edition; published by ISA; Copyright 2012; ISBN: 978-1937560-03-4)

1. From the figure below, the output of FT-1 is a (an):
   a. Electronic signal
   b. Hydraulic signal
   c. Pneumatic signal
   d. Computer data signal

![Diagram of P&d Feedback Loop with FT 1, FIC 1, I/P, FV 1, VENT, FE]

2. Referring to the flow control loop in the figure above, the controller, FIC-1, is designated as a ______________ mounted device.
   a. Remote auxiliary panel
   b. Transmitter
   c. Local field
   d. Distributed Control System

3. Field mounted or outdoor instrumentation equipment in a wash-down area of an industrial plant would probably need a:
   a. NEMA 1 enclosure
   b. NEMA 2 enclosure
   c. NEMA 3 enclosure
   d. NEMA 4 enclosure

Find the answers to these questions on page 21

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**Calendar of Events**

Get a quick overview of the ISA PUPID events by going to the Calendar at: [https://www.isa.org/division/pupid/events/](https://www.isa.org/division/pupid/events/)

- **2017 BLRBAC Meetings**
  - Fall Meeting: October 2 – 4, 2017
  - [www.blrbac.org](http://www.blrbac.org)

- **ABTCP 2017-50th Pulp & Paper International Congress & Exhibition**
  - 10/23/2017 to 10/25/2017
  - Transamerica Expo Center, Sao Paulo, Brasil

- **2017 ISA Fall Leaders Meeting**
  - Friday, October 28, 2017 through Tuesday, October 30, 2017
  - Grand Hyatt, Tampa, FL
  - Come meet your leaders & get involved!

- **2017 ISA Process Control & Safety Symposium**
  - Monday, November 6, 2017 through Thursday, November 9, 2017
  - Houston Westchase Marriott, Houston, TX

- **China Paper 2017**
  - 24th International Exhibition & Conference
  - 09/2017 to 09/2017
  - Intex Shanghai, China
  - [http://www.chinaexhibition.com/](http://www.chinaexhibition.com/)

- **2018 ISA Spring Leaders Meeting**
  - Friday, May 5, 2018 through Monday, May 7, 2017
  - Marriott Raleigh Crabtree Valley, Raleigh, NC
  - Come meet your leaders & get involved!
### Welcome to the 9 New ISA Pulp & Paper Industry Division Members

<table>
<thead>
<tr>
<th>Abdulkareem Alhussaini</th>
<th>Matthew Sharp</th>
<th>Raúl Gustavo García Pascacio</th>
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<tr>
<td>Mike Camden</td>
<td>Richard J. Van Fleet</td>
<td>Edwin David Morales Cerén</td>
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<td>Gary Sharp</td>
<td>Nagendra Shete</td>
<td>Nandita Gupta</td>
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### Here’s a Reminder to the 29 ISA Pulp & Paper Industry Division Members Who Need to Renew Their Membership

<table>
<thead>
<tr>
<th>Elizabeth Bell</th>
<th>Brad Stanley</th>
<th>Erwin Brocato</th>
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<tr>
<td>Rafael J. Bertoli</td>
<td>Trevor Charles Tolick</td>
<td>Evan J Friedmann</td>
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<td>Noel C. Cardiff</td>
<td>Shahaji R. Zambre</td>
<td>Ahmed Gomaa</td>
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<td>Todd L. Fillingim</td>
<td>Vinicius Nunes Acosta, Sr.</td>
<td>Jimmy W. Key</td>
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<tr>
<td>Nathan Jim Gould</td>
<td>Eamonn Mulvee</td>
<td>Roy Mathew</td>
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<tr>
<td>Carl R Highsmith</td>
<td>AJ Robinson</td>
<td>Juan Susanibar</td>
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<td>Elber Martinez</td>
<td>Ranaraja M. Samarakoon</td>
<td>Shivram Tabibu</td>
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<tr>
<td>Karthi Mathialagan</td>
<td>Salame Sayed</td>
<td>Bich-Nhu Tran-Meeker</td>
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<tr>
<td>Jordan Brian Scrivner</td>
<td>Gerry Snowden</td>
<td>Trevor Zanker</td>
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<td>Austin James Smith</td>
<td>Razin Zuhair</td>
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**Don’t Forget to Renew!**
WHO’S DOIN’ ANYTHING?

Mpact invests Rand 46 million in liquid packaging recycling plant at its Springs paper mill in South Africa

July 26, 2017 - 03:23

JOHANNESBURG, July 19, 2017 (Press Release) - This follows the investment of R46-million in a Liquid Packaging recycling plant at Mpact’s Springs Paper Mill facility. The investment forms part of Mpact Group’s various recycling initiatives to increase available materials for all its mills.

John Hunt, managing director of Mpact Recycling, says it was previously not possible to recycle juice and milk cartons, poly-coated cups and wet-strength bags, as they are not made of typical paperboard.

“Although approximately 75% of liquid packaging content is paper to make it liquid-proof, the product is lined with low density polyethylene (plastic,) which acts as a water-tight barrier; a lining of aluminium foil which serves as a barrier to light, flavour, and oxygen, enabling the contents to last for months without preservatives or refrigeration; and a coating with kaolin clay to improve the printing surface,” he says.

The mix of plastic and metal (polyalu) meant that cartons could not previously be recycled as the polyalu couldn’t be separated from the paper of the carton.

“These need to be removed before the paper can be recycled,” says Hunt. “This was facilitated by two developments. Firstly, local liquid carton manufacturers have over the years redesigned their processes to significantly reduce the amount of plastic used in the packaging. Secondly, Mpact’s new Liquid Packaging recycling plant has the capacity to recycle 25,000 tonnes of used liquid cartons per annum and will allow us to produce approximately 18,000 tonnes of recovered fibre, which will be fed directly into our paper division for use in new paper products.”

To complement its initiatives to expand its own collection of recyclable materials, Mpact acquired Remade Holdings a year ago. In May 2016, the Group invested R350 million into Mpact Polymers to develop a plant that would process up to 29,000 tonnes of PET bottles a year. The company also invested R765 million to upgrade its Felixton mill, which will produce an extra 60,000 tonnes of paper from recycled fibre a year.

Mpact Recycling’s role, through its extensive collection network of paper, containerboard, PET and now liquid packaging, is to supply its mills with sufficient volume to match its capacity.

This is why it has embarked on a campaign to raise consumer awareness that juice and milk cartons are now recyclable, and they should put them in their Ronnie bags for kerbside collection.

Consumers must ensure the cartons are empty and flattened. Where there is no kerbside collection, they can deposit their recyclable items in their nearest Ronnie bank at schools or community centres or, alternatively, cartons can be delivered to any of Mpact’s buy-back centres countrywide or to one of its seven Mpact Recycling operations for payment.

“Liquid carton packaging provides a category of waste that can be recycled and will add considerably to land preservation in South Africa as consumers can redirect cartons away from limited landfill space.

“Whether you finish a carton of milk at breakfast or enjoy a boxed fruit juice for lunch, place your flattened, used container into your nearest recycling bin, whether at home, school or work. This way South Africans will be not only be doing their bit to keep the environment clean, but will also be helping to continue creating sustainable job opportunities throughout the recycling value chain,” concludes Hunt.

“This new carton waste recycling facility by Mpact is an opportunity for consumers to change their behaviour towards recycling,” says Rodney Reynders, Cluster Leader, Environment, Greater Middle East and Africa, Tetra Pak. “Mpact’s market-leading recycling facility enables consumers to participate more functionally in green practices through any of Mpact Recycling’s numerous collection facilities including kerbside, schools and communities to name a few.”

Penny Ntuli, communications director of Tetra Pak SA, says: “We have partnered with Mpact Recycling to raise public awareness about the recyclability of our carton packs, and significantly increase the volume of cartons collected and diverted from landfill sites. This is in line with our global environmental policy that includes minimising our impact on the environment.”

Webuye-based paper manufacturer Rai Paper starts up second production line in Bungoma, Kenya; to employ 1,000 people

July 27, 2017 - 04:22

BUNGOMA, Kenya, July 27, 2017 (Local News) - More than 1,000 people in Bungoma County are set to be absorbed by Rai Paper following the opening of its second line of production.

The Webuye-based paper manufacturer, which has been on the death bed, has so far seen two of its lines opened. The first one was launched by President Uhuru Kenyatta in December.
WHO’S DOIN’ ANYTHING? (CONTINUED)

According to Rai Paper management, so far the plant produces 3,000 tonnes of paper, most of which are consumed locally. "There has also been a huge demand of our papers from Uganda. We are expanding our production capacity gradually so that we can expand our exports to this neighbouring country," said the Factory Manager Naga Shankar.

Standard Digital - Rai Paper's second line launched, to employ 1,000 people

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Vinda starts up two new Toscotec tissue machines at Longyou mill, China

July 13, 2017 - 05:05

LUCCA, ITALY, July 13, 2017 (Press Release) -Vinda Paper Zhejiang fired up two Toscotec supplied tissue machines, TM 3 and 4, at its Longyou mill in Zhejiang province. The mill successfully achieved start-up according to schedule and thus increased its production capacity by 60,000 tons/year.

The new AHEAD-2.0M tissue lines are designed for the production of premium quality tissue products, including toilet paper and facial tissue. Vinda Zhejiang’s new mill currently has four Toscotec’s tissue machines, two AHEAD-1.5M fired up in 2014 and the new AHEAD-2.0M. In view of the superior performance of the first two, the Vinda Group chose to invest in Toscotec’s top-of-the-line tissue machines. The AHEAD-2.0M advanced technology delivers top quality products, in line with Vinda’s highest quality standards, and guarantees the lowest possible energy consumption, thanks to a comprehensive energy saving concept, the TT DOES solution (Drying Optimization for Energy Saving).

“I was proud to see another Toscotec’s tissue machine start up at Vinda’s mill. Under the expert operation of Vinda Zhejiang’s technicians, the new AHEAD-2.0M lines will perform to meet the customer’s expectations. We also expect to achieve yet again great results in terms of reductions of the energy cost.” said Marco Dalle Piagge, Toscotec’s Sales Director.

About Toscotec

Toscotec is a turnkey projects supplier to the global paper industry. Since 1948, Toscotec offers complete production lines, plant retrofits, turnkey projects and individual machineries. The Group serves all the leading paper producers with customized solutions, leveraging on the experience gained in more than 60 years of activities.

Hungary’s Vajda Papír receives HUF 4.5 billion grant from Hungarian Ministry of National Economy for its new integrated tissue paper mill

July 11, 2017 - 08:34

BUDAPEST, Hungary, July 11, 2017 (Press Release) -After a long and severe examination process, the Hungarian Ministry of National Economy had selected our investment plan for an integrated hygiene paper manufacturing site as from national economical perspective preferred one and decided to support it with 4,5 billion HUF non-refundable contribution in the program of the National Enterprise Investment Scheme. From the total 11 billion HUF investment, we will build Hungary’s biggest and most modern integrated hygiene paper production site.

The long-time planned factory project and the related developments will not only play an important role in the performance of the Hungarian economy, foster and stimulate national GDP, but also creates over 100 new jobs and contribute to a more successful and thriving local community in the region of Dunaföldvár. Beyond playing a significant role as converter in the region, now by further increasing our capacity and becoming a tissue base paper manufacturer also in Hungary, thus as an integrated supplier, we can ensure even more secure operations and service towards our customers and consumers.

The ceremony of the laying of the foundation-stone took place on 12th June 2017 in the presence of our guest of honor, Mr. Mihály Varga, Minister of National Economy. As he stated: “the government supports the investment with 4,5 billion HUF as a part of the program that targets those Hungarian big enterprises that do not fall under the conditions for financing subsidies from the EU. This program proves to be very successful.” The owner and managing director of Vajda Papír, Mr. Attila Vajda mentioned in his speech,
WHO’S DOIN’ ANYTHING? (CONTINUED)

that “the 23 thousand sqm. plant is being built by the construction company, Scorpio-Trans Kft., on a 20-acre land and will be up and running by February 2018. Furthermore the most modern and state of the art technology will meet the highest sustainability and environmental protection standards.”

With this investment, our domestic capacity will reach the 100,000 tons p.a. and will help to further support the successful development of our Ooops! brand as well as the numerous internationally supplied own label products.

**Andritz Automation expands North American footprint with two new offices**

July 10, 2017 - 04:01

GRAZ, Austria, July 10, 2017 (Press Release) - ANDRITZ AUTOMATION, part of international technology Group ANDRITZ, has opened two new US locations in Pensacola, Florida, and Eugene, Oregon, thus demonstrating its commitment to provide its customers with individual and local support.

The local teams are committed to delivering progressive solutions and high-quality support for their customers’ electrical, control, and instrumentation systems in those regions.

“The decision to increase our presence in the US was a strategic step in our business growth strategy,” said Milind Karkare, Senior Vice President for the ANDRITZ AUTOMATION Solutions division, which is responsible for serving the automation, electrification, instrumentation, and training needs for a wide range of industries, including local pulp and paper, mining, and lime customers. “These two locations bring us closer to our customers and also increase our ability to serve current and future markets as well as new industries”.

**The ANDRITZ GROUP**

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metalworking and steel industries, and for solid/liquid separation in the municipal and industrial sectors as well as for animal feed and biomass pelleting. Other important business segments include automation and service business. In addition, the international Group is also active in the power generating sector (steam boiler plants, biomass boilers, recovery boilers, and gasification plants) and in environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard as well as recycling plants. The publicly listed technology Group is headquartered in Graz, Austria, and has a staff of approximately 25,200 employees. ANDRITZ operates more than 250 sites in over 40 countries.

**ANDRITZ AUTOMATION**

More than 2,000 ANDRITZ employees worldwide develop automation solutions and products for digitization and networking of systems and components. ANDRITZ AUTOMATION helps industrial facilities around the world to realize their full potential by maximizing output, minimizing costs, and optimizing operations. The experienced ANDRITZ AUTOMATION team focuses on the design of electrical, control, and instrumentation systems, drawing on some of the world’s leading simulation, advanced process control, and operator training tools.

**Boise Paper highlights environmental impact of responsibly-sourced recycled and non-recycled paper**

July 10, 2017 - 00:54

CHICAGO, IL, July 10, 2017 (Press Release) - Some people believe that because paper is made from wood fiber, using paper must be bad for trees. However, research shows using wood-based products like office paper actually helps keep American forests healthy when the wood fiber is sourced responsibly.

“Using responsibly-sourced recycled and non-recycled paper is a great way to help the environment,” says Kate McGlynn, product environmental steward for Boise Paper, a division of Packaging Corporation of America. “When forests are managed sustainably, using non-recycled paper is not harmful to forests. Because the vast majority of forests in the U.S. exist on privately-owned land, selling harvested trees to make paper creates an economic incentive for land owners to keep forest land thriving.”
WHO’S DOIN’ ANYTHING? (CONTINUED)

If trees weren’t needed to make wood products like paper, private landowners may choose to remove forests and use their land for something else, such as agriculture or commercial development.

And a responsibly-sourced supply of fresh wood fiber is actually an important part of a healthy recycling loop. Recycled paper fiber can be used again and again – up to seven times – in other products, but each time the wood fibers break down. If we only used recycled paper, we would quickly run out!

To support an eco-friendly strategy, Boise Paper recommends using a mix of certified recycled and non-recycled papers, like Boise ASPEN Multi-Use Recycled Copy and Boise X-9 Multi-Use Copy.

Performance Issues a Thing of the Past

Now, if recycled paper brings to mind dingy tint or uneven print quality, it may be time to take another look. Thanks to technological advances and rigorous production standards, recycled papers now feature the same hardworking characteristics and brightness as papers made without recycled content.

Here are three key areas you can compare the performance of recycled copy paper against its non-recycled counterpart:

**Smoothness**– Great print quality and ink retention are the result of a smoother sheet surface. Regardless of recycled fiber content (ASPEN every day and premium papers come with 30, 50, or 100 percent post-consumer content), print on a good recycled paper will be just as crisp and clean as non-recycled.

**Brightness**– Recycled paper traditionally has the stigma of being dull, yellow and dingy, but in reality most recycled grades have the same or comparable brightness as non-recycled. For example, ASPEN 30, 50 and 100 Multi-Use Recycled Copy papers are all 92 bright, just like X-9 Multi-Use Copy paper.

**Jam-Free**– If you expect excellent run-ability from your non-recycled paper, why would you expect less from recycled? All ASPEN papers are third-party tested to rigorous standards, and backed by a 99.99% Jam-Free Guarantee.

About Boise Paper:

Boise Paper is a division of Packaging Corporation of America, headquartered in Lake Forest, IL. Boise Paper manufactures a full line of quality papers including imaging papers for the office and home, printing and converting papers, and papers used in packaging, such as label and release papers. Through their Paper with Purpose promise, they commit to delivering excellent value while sustaining environmental, economic, and social resources for future generations.

### Household waste energy project to supply Australian Paper’s Maryvale mill

July 06, 2017 - 18:38

MORWELL, Australia, July 6, 2017 (Local News) -A bold new project that would convert household waste into energy in the Latrobe Valley can now enter its first major phase following joint investment by the state and federal governments.

The project would provide Australian Paper's Maryvale Mill with an alternative energy source and has been welcomed as a way for the company, the Valley's largest direct employer, to reduce its energy bills and secure local jobs.

Contributions of $2.5 million each from the Federal Government, State Government and Australian Paper will enable pre-construction planning for the project, the parties announced today.

[Latrobe Valley Express - Waste to a wealth of energy](#)

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**WHO’S DOIN’ ANYTHING? (CONTINUED)**

**Cellwood to upgrade stock preparation line at Europac's mill in Spain**

July 06, 2017 - 11:23

NÄSSJÖ, Sweden , July 6, 2017 (Press Release) -Cellwood Machinery was awarded an order from Papeles Y Cartones De Europa, SA to upgrade stock preparation line MP1 with a 200 Tpd – Krima Dispersing Unit. This will be Europac’s second Krima Hot Dispersing Unit. The delivery will take place autumn 2017.

Cellwood Machinery develops, manufactures and supplies machinery and systems for the pulp and paper industry. We are known for our brand products Krima, Grubbens and Algas.

Cellwood Machinery is located in Nässjö, Sweden.

**Borregaard receives NOK 6 million grant from Innovation Norway's Bioeconomy Scheme to develop its biorefinery concept in Sarpsborg, Norway**

July 06, 2017 - 04:14

SARPSBORG, Norway, July 4, 2017 (Press Release) -Borregaard has received a commitment of a NOK 6 million grant from Innovation Norway's Bioeconomy Scheme. The grant will fund further development of the biorefinery concept in Sarpsborg.

The project receiving the grant aims to develop high-value cellulose products. The project may result in increased added value and new industrial opportunities for Borregaard in Sarpsborg. By way of chemical and physical modifications, opportunities are being explored to manufacture cellulose products for various industrial applications, including in animal feed and the construction industry.

“This grant allows us to move from the idea phase to a project with dedicated resources and partners. Research and development are the key to restructuring and increased competitive ability in the industry. Larger businesses are well-positioned to succeed, but support for innovation work mitigates risk and often triggers investments for companies such as Borregaard,” says director of Borregaard's Speciality Cellulose activities, Tom Erik Foss-Jacobsen.

Part of the project will be carried out in partnership with the Norwegian University of Life Sciences (NMBU). The NOK 6 million grant comprises 22 per cent of the project's overall costs, and will be spread across three years starting in August 2017.

“Innovation Norway's task is to contribute to elevate new business opportunities through risk-mitigating funding. This is particularly important at a time where there is a great need to develop the markets by offering new and better products based on Norwegian raw materials. In developing new value-adding products based on forests, Borregaard has a leading role, both domestically and internationally, with its strongly market-oriented research activities. With a grant from us, Borregaard can give the project priority, which is completely in keeping with what the Bioeconomy Scheme is intended to stimulate,” says sustainability director Inger Solberg of Innovasjon Norge.

Borregaard owns one of the world’s most advanced and sustainable biorefineries. By using natural, sustainable raw materials, Borregaard produces advanced and eco-friendly biochemicals that can replace oil-based products. Borregaard has 1,010 employees in factories and sales offices in 16 countries in Europe, America, Asia and Africa. Borregaard also has strong positions in ingredients and fine chemicals.

Innovation Norway received funds in 2017 to pursue the Government's Bioeconomy Strategy. The purpose of the effort is to mitigate risk in industrial projects and contribute to increased added value and sustainable restructuring of Norwegian industry by exploiting the market potential the bioindustries represent based on resources from the sea, land and forests. The Scheme covers development support both in and across existing value chains, and applies countrywide. In addition, it is open for opportunities to interact with other instruments, both within and outside of Innovation Norway.
WHO’S DOIN’ ANYTHING? (CONTINUED)

Baton Rouge Water Company in Louisiana says Georgia-Pacific, other industries need to stop drawing water from aquifer as salt water intrudes

July 04, 2017 - 14:04

BATON ROUGE, LA, July 4, 2017 (The Advocate) - As the water supply under Baton Rouge slowly fills with salt, some officials have called on companies like ExxonMobil and Georgia Pacific to stop tapping the aquifer for industrial uses, depleting the supply.

At the same time, leadership at the agency charged with safeguarding the aquifer has been called into question.

In the most recent regular session, the Louisiana Legislature passed a law directing the Capital Area Groundwater Commission to file periodic reports on saltwater intrusion of the groundwater supply and to follow state law when it comes to providing the public with adequate notice of its meetings and the topics to be discussed.

The Advocate - Baton Rouge Water Company says industry needs to stop drawing water from aquifer

Also

The Advocate - New member 'stunned' groundwater commission not further along in fight against saltwater intrusion

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Sappi, farmers work together to save money, make Cloquet, MN, mill ‘greenest in the world’

July 04, 2017 - 13:47

CLOQUET, MN, July 4, 2017 (Pine Journal) - Is the Cloquet Sappi mill the greenest in the world?

While there hasn’t been an official trophy awarded by pulp and paper mills worldwide, Cloquet Sappi manager Mike Schultz is quite certain we have a winner here.

It always amazes local people when they find out the Cloquet mill is considered the most environmentally friendly mill in the world.

"Right here in little old Cloquet, Minnesota," he said with a satisfied smile.

Pine Journal - Sappi, farmers work together to save money (and the world)

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Finland’s Boreal Bioref signs first off-take agreement with Chinese paper producer Huatai Group for future production of bio-products

July 04, 2017 - 08:19

KEMIJÄRVI, Finland, July 4, 2017 (Press Release) - Boreal Bioref Ltd., represented by its Chairman and CEO, Mr. Heikki Nivala, and its financing adviser, Mr. Fredrik Creutz, participated in Prime Minister Juha Sipilä’s delegation, during his visit to China 26-30 June 2017.

Boreal Bioref’s representatives also continued negotiations on financing, planning and construction with its EPC partner, its potential financing banks and other investors. In China, the bio-refinery project in Kemijärvi is a well-known investment opportunity, and it is recognised as important for both countries.

During the visit, Boreal Bioref also signed its first off-take agreement with Huatai Group, a leading Chinese paper production company, for the future production of bio-products. The agreement was signed by Mr. Nivala and Huatai Group’s chairman, Mr. Li Jianhua. Chairman Li is not only the chairman of Huatai Group, but also a prominent leader in the broader Chinese paper industry and the Communist Party of China. He is currently the Chairman and the Vice Chairman of the Chinese Paper Industry
WHO’S DOIN’ ANYTHING? (CONTINUED)

Chamber of Commerce and the China Paper Association, respectively. Furthermore, he is a Secretary of the Party Committee and he was a Deputy of the 9th, 10th, 11th and 12th National People’s Congresses. Mr Li has visited Finland several times and has established similar off-take agreements with Finnish pulp producers in the past.

The signed off-take agreement is meaningful in scope and size and it is a clear indication of the potential demand for Boreal Bioref’s planned production capacity. Chairman Li views the agreement as mutually beneficial to both parties and it forms the basis for a long-term cooperation.

Prime Minister Sipilä personally met with the management teams of China CAMC Engineering Co., Ltd. (CAMCE) and other business partners of Boreal Bioref. During his meetings, the Prime Minister discussed the government’s targets for the bio-economy and highlighted the importance of new investments for the growth of the Finnish economy. Furthermore, he highlighted that the Finnish government is supportive of e.g. the bio-refinery project in Kemijärvi.

Fitnir Analyzers to replace southern US-based pulp mill's Modo-Chemetics auto-titrator with its state-of-the-art online FT-NIR analyzer

August 01, 2017 - 02:28

VANCOUVER, BC, July 31, 2017 (Press Release) -FITNIR Analyzers Inc. is excited to announce that a noteworthy pulp mill in the southern United States has selected FITNIR’s state-of-the-art online FT-NIR analyzer to replace its Modo-Chemetics auto-titrator for digester control. With its current technology nearing the end of its life, the mill was looking to upgrade to a measurement technology with minimal maintenance and excellent uptime.

Primarily selected based on FITNIR Online’s proven track record for requiring less maintenance and providing more repeatable and accurate measurements, the mill decided on upgrading to the new technology. FITNIR Online also matched the mill’s criteria for a system with multiple applications for future consideration, as well as the ability to analyze properties beyond REA, such as total solids, dissolved lignin content and organic and inorganic solids.

FITNIR Online will replace the mill’s Modo-Chemetics auto-titrator measurement equipment on its continuous digester to measure key white liquor properties (EA, AA, sulfide, sulfidity, carbonate and %CE) and weak black liquor properties (residual effective alkali, lignin content, inorganic content, organic solids and total solids).

“This mill has been a long-time customer through a service contract for its Modo-titrator,” said Tom Sands, President of FITNIR Analyzers. “We are pleased to continue working with the team to help the mill achieve optimal pulp properties and production targets.”

Start-up is expected to be underway in October 2017.

About FITNIR Analyzers Inc.

FITNIR’s automated online and benchtop analyzers reliably measure complete pulp liquor compositions. Fast, frequent and accurate measurements drive control strategies that decrease process variability and environmental impact for improved efficiencies and profitability. Proven applications for the digester, recausticizer, recovery boiler, ClO2 generator, brownstock washer, and now kappa measurements for wet and dry pulp, FITNIR is the next generation of process analyzers.
WHO’S DOIN’ ANYTHING? (CONTINUED)

PMP-supplied 75 tonnes/day tissue machine starts up at Hebei Jinboshi

June 29, 2017 - 10:20

JELENIA GORA, Poland, June 29, 2017 (Press Release) - On 22nd January 2016, PMP (Paper Machinery Producer) – a global provider of tissue, paper & board technology, signed a contract with Hebei Jinboshi Group CO., LTD. for the delivery of (2) Intelli-Tissue 1200 EcoEc lines. Thus it is our pleasure to announce that TM1 has started-up smoothly and easily and as a result the first paper at reel appeared on 21st June 2017 in the afternoon of the local time.

TM1 is characterized with 3650mm reel trim, operating speed of 1200 m/min, daily capacity 75 t/d and a basis weight of 12.5-25 gsm.

The PMP’s scope of supply covered the single layer Intelli-Jet V® Hydraulic Headbox, 4-roll Intelli-Former® CF, compact Intelli-Press®, 12ft Steel Intelli-YD®, Intelli-Hood® and Intelli-Reel®. In addition, PMP provided mechanical drives, electrical drives, lubrication system, Steam & Condensate system and the PLC. The PMP team also provided erection supervision and technological start-up.

This project is based on a PMP’s Integrated Tissue Mill concept, which means 2 machines (left-hand and right-hand) in the same building, a shared control room as well as a common warehouse. The same model of right and left hand machines layout in one building is the most compact solution and the two machines can share a common spare parts base. As a result, both space and costs are saved as well as number of personnel required to run the installations. At the same time high production flexibility plays a significant role in achieving top installations effectiveness. The start-up of the second machine is scheduled for the 3rd quarter of 2017.

About Hebei Jinboshi Group:

Hebei Jinboshi Group Co., Ltd is a professional tissue-making enterprise, located in Baoding, Hebei Province (established in July 2000). Jinboshi Group produces high-quality toilet paper, facial paper and napkin under brand “Golden doctor”, “Qinqin jiaren” and was awarded as “famous brand enterprise of Hebei Province”. Company keeps providing high-level products and service to customers with high efficiency. Ambitious goals and implementation of the best solutions available on the market heat a dynamic growth.
WHO’S DOIN’ ANYTHING? (CONTINUED)

Smurfit Kappa to build new recovery boiler and stream turbine to reduce CO2 emissions at its Nettingsdorf mill in Austria

July 03, 2017 - 04:57

DUBLIN, Ireland, July 3, 2017 (Press Release) - Global packaging leader Smurfit Kappa has announced a multi-million euro investment in technology at its Nettingsdorf Paper Mill that will significantly reduce CO₂ emissions while increasing production. The project consists of building a state-of-the-art recovery boiler by 2020 and a new steam turbine by 2022. This equipment will reinforce the industry-leading position that Smurfit Kappa Nettingsdorf currently holds, by virtue of having the lowest energy consumption in the paper industry.

The new boiler will produce energy out of biomass, reducing CO₂ emissions at the Nettingsdorf mill by 40,000 tonnes, which represents a 1.5% reduction in Smurfit Kappa Group’s total CO₂ emissions. Smurfit Kappa recently announced in its 2016 Sustainability Development Report that it has already cut CO₂ emissions by 23%, well on the way to meeting its 2020 target of 25%.

Speaking about the investment, Günter Hochrathner, CEO of Smurfit Kappa Nettingsdorf said: “This is a very positive step for the mill. The new boiler and turbine will help us to become even more efficient, which in turn will benefit both our people and the wider community. Nettingsdorf Paper Mill has a long history in the area and this investment in technology secures the long-term future of the mill.

“At Smurfit Kappa, we believe in sustainability in every fibre because, by taking a sustainable approach to every aspect of our company and products, we become more efficient. This new development will enable us to ensure the long-term supply of the high-quality, sustainable container board our customers expect from us.”

Saverio Mayer, CEO of Smurfit Kappa Europe said: “This investment builds on our commitment to help create a sustainable future by building a profitable business based on responsible principles. Sustainable innovation creates value for our customers and our shareholders – but it also plays a vital role in ensuring that the communities surrounding our sites are part of our long-term vision.”

Mercer International wraps up $20M maintenance project at Celgar in British Columbia, longest in mill’s history

June 29, 2017 - 15:54

CASTLEGAR, BC, June 29, 2017 (Local News) - Celgar’s 14-day maintenance shutdown completed earlier this month was by far, the largest maintenance shutdown in Celgar’s history.

As a 24/7 continuous production operation, the mill’s annual maintenance shutdowns are required to allow inspection, repair and change-out to the major pieces of production equipment.

This year’s shutdown, ‘The M17’ as it referred to at the mill, had more than 2,000 maintenance tasks completed with a material, services and labour price tag of $20 million, and also completed a few capital projects totalling just under $17 million. Add 14 days of downtime where the mill is not producing pulp or exporting power… and you’ve got a pretty expensive shutdown.

Castlegar News - Celgar wraps massive shutdown maintenance project

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Papcel and ABK Groupe to supply new 60 tonnes/day tissue machine to Aspex Kumbong in Jakarta, Indonesia

June 29, 2017 - 11:42

LITOVEL, Czech Republic, June 28, 2017 (Press Release) - In April 2017, ABK Groupe & PAPCEL signed a new contract with the customer PT Aspex Kumbong, West Java, Indonesia to supply a complete tissue machine including approach flow system, Crescent former, winder and auxiliary equipment.

The tissue machine is designed for a capacity of 60 tpd of tissue paper grades (facial and toilet tissue paper), 13 to 35 gsm basis weight ranges and a maximum operating speed of 1,200 mpm. The sheet width on reel trim will be 2,850 mm. ABK Groupe will also supply detailed engineering for all the supplied equipment. The commissioning of the new tissue line is scheduled for the end of 2018.
**WHO’S DOIN’ ANYTHING? (CONTINUED)**

**Georgia-Pacific to invest $400 million at its Palatka mill**

June 23, 2017 - 13:22

ATLANTA, June 23, 2017 (PRNewswire) -Georgia-Pacific today announced that its Palatka, Florida, mill has been selected as the location for the company's previously announced investment of more than $400 million in its GP Consumer (retail) tissue and towel business. The investment supports continued growth for key customers' premium private label towel products. Investments to the Palatka mill include building a new paper machine using through-air-dried (TAD) technology, as well as adding associated converting equipment and infrastructure. Engineering and related work is beginning immediately, and startup of the upgraded operation is scheduled for 2019.

Approximately 80 jobs will be created to operate the new papermaking complex, in addition to the mill's 850 current employees. An average of 160 construction and contract-related workers are expected to be onsite at the mill every day during the project, with a potential peak of 700 contract workers per day at the height of construction.

"This upgrade to our operations in Florida underscores our long history of investment in the state by Georgia-Pacific and Koch companies," said Christian Fischer, Georgia-Pacific president and chief executive officer. "We appreciate the ongoing support of the local community, Putnam County and state officials in our efforts to continue making our Palatka mill more competitive for the long-term."

In the last 10 years, capital investment and acquisitions in the Palatka mill have totaled $306 million and statewide investments have totaled $1.5 billion.

"The Palatka mill has been a major economic contributor in Putnam County for 70 years," said Larry Harvey, chairman, Putnam County Board of County Commissioners. "It is gratifying that Georgia-Pacific continues to see our community as a solid location for significant investment. With this new manufacturing technology coming to the Palatka mill, we look forward to many more decades of opportunity together."

The Palatka mill currently operates two kraft paper machines, three paper machines manufacturing paper for bath tissue and paper towels, and a number of converting operations producing finished paper products. The improvements will allow Georgia-Pacific's current and potential customers to grow their premium private label towel brands, as well as expand the company's Brawny premium paper towel brand.

"This significant investment demonstrates our commitment to GP's consumer business, our hard-working teams and our current and potential customers," said Kathy Walters, Group President – Georgia-Pacific Consumer Products Group. "It also allows us to further leverage the many advantages we have, including our breadth of offerings, excellence in manufacturing operations and research and development to create products that consumers value."

In Florida, Georgia-Pacific operates three facilities and employs nearly 1,600 people with total annual compensation and benefits of more than $143 million.

**About Georgia-Pacific**

Based in Atlanta, Georgia-Pacific and its subsidiaries are among the world's leading manufacturers and marketers of bath tissue, paper towels and napkins, tableware, paper-based packaging, office papers, cellulose, specialty fibers, nonwoven fabrics, building products and related chemicals. Our familiar consumer brands include Quilted Northern, Angel Soft, Brawny, enMotion, Sparkle, Mardi Gras, Vanity Fair, Dixie as well as STAINMASTER household cleaning products. Georgia-Pacific has long been a leading supplier of building products to lumber and building materials dealers and large do-it-yourself warehouse retailers. Its GP Harmon Recycling subsidiary is among the world's largest recyclers of paper, metal and plastics. The company operates approximately 200 facilities and employs approximately 35,000 people directly, and creates nearly 92,000 jobs indirectly.

**Andritz and PulpEye enter into cooperation agreement to promote, market, and sell PulpEye's analyzer technology**

June 20, 2017 - 03:47

GRAZ, Austria, June 20, 2017 (Press Release) -International technology Group ANDRITZ and PulpEye have entered into a cooperation agreement to promote, market, and sell PulpEye analyzer technology exclusively in ANDRITZ PULP & PAPER package offerings.

This ANDRITZ and PulpEye cooperation will enable customers to benefit from improved online chip and fiber datalytics in order to optimize the right process parameters in fiberlines and pulping processes, for instance by improving yield and optimizing chemical consumption. Furthermore, ANDRITZ and PulpEye can also provide customers with a remote online platform for operations support through IoT solutions.
WHO’S DOIN’ ANYTHING? (CONTINUED)

PulpEye is an innovative measurement technology company focusing globally on online pulp quality analysis applications for the pulp and paper industry. The PulpEye equipment is used to control the quality of any kind of pulp – sulfate and sulfite pulps, both short and long fiber, bleached and unbleached, TMP, CTMP and BCTMP as well as NSSC, OCC, and de-inked pulps. Recent product launches include modules measuring vessel cells and fiber wall thickness, as well as a fast consistency calibration module.

The ANDRITZ GROUP

ANDRITZ is a globally leading supplier of plants, equipment, and services for hydropower stations, the pulp and paper industry, the metalworking and steel industries, and for solid/liquid separation in the municipal and industrial sectors as well as for animal feed and biomass pelleting. Other important business segments include automation and service business. In addition, the international Group is also active in the power generating sector (steam boiler plants, biomass boilers, recovery boilers, and gasification plants) and in environmental technology (flue gas cleaning plants) and offers equipment for the production of nonwovens, dissolving pulp, and panelboard as well as recycling plants. The publicly listed technology Group is headquartered in Graz, Austria, and has a staff of approximately 25,200 employees. ANDRITZ operates more than 250 sites in over 40 countries.

ANDRITZ PULP & PAPER

ANDRITZ PULP & PAPER is a leading global supplier of complete plants, systems, equipment, and comprehensive services for the production and processing of all types of pulp, paper, tissue, and cardboard. The technologies cover the processing of logs, annual fibers, and waste paper; the production of chemical pulp, mechanical pulp, and recycled fibers; the recovery and reuse of chemicals; the preparation of paper machine furnish; the production of paper, tissue, and cardboard; the calendering and coating of paper; as well as the treatment of reject materials and sludge. The service offering includes system and machine modernization, rebuilds, spare and wear parts, on-site and workshop services, optimization of process performance, maintenance and automation solutions, as well as machine relocation and second-hand equipment. Biomass, steam, and recovery boilers, as well as gasification plants for power generation, flue gas cleaning plants, plants for the production of nonwovens, dissolving pulp, and panelboard (MDF), as well as recycling plants are also part of this business area.

Grupo Gondi to invest $300 million to build new 350,000 tonnes/yr recycled lightweight containerboard paper mill in Mexico

May 30, 2017 - 01:41

MEXICO CITY, Mexico, May 29, 2017 (Press Release) -Grupo Gondi, one of the leading Mexican companies operating in the paper and packaging industry, is announcing plans to build a state-of-the-art recycled lightweight containerboard paper mill in Mexico.

The new paper mill will have the capacity to produce over 350,000 metric tons per year of containerboard and will provide reliable, high-quality medium and linerboard for Gondi’s converting operations and third parties.

“We are pleased to invest in this new manufacturing facility, which will help us enhance our service and position in the growing packaging market in Mexico. After completion, Grupo Gondi will produce over one million metric tons of paperboard per year”, stated Eduardo Posada, chief executive officer of Grupo Gondi. “This new investment shows our continued commitment to better serve our customers through innovation and productivity”, also stated Alejandro Gonzalez Cimadevilla, President of Grupo Gondi.

Grupo Gondi will invest approximately $300 million dollars in this project, which is estimated to be completed by the end of 2019.

About Grupo Gondi

We are a company focused on offering added value by providing industry-leading products and solutions to satisfy the corrugated and folding carton packaging needs of our customers. We are constantly evolving in order to become more efficient, innovative and sustainable. Our team of over 7,500 employees, our vertically integrated portfolio of packaging solutions, as well our geographically presence in Mexico through our 15 production sites allows us to help our customers to succeed by delivering quality products, innovative solutions, and the best customer service.
WHO’S DOIN’ ANYTHING? (CONTINUED)

Mondi to invest Euro 100 million in power plant rebuild at its Syktyvkar mill in Russia

May 29, 2017 - 07:43

SYKTYVKAR, Russia, May 25, 2017 (Press Release) - Mondi Syktyvkar has officially launched a large-scale power plant rebuild project. Over EUR 100 million will be allocated to fund this upgrade as part of Mondi’s approved capital investment programme for 2017 to 2019. The main objective of the project is to safeguard sustainable safe heat and energy generation for the mill and the region. The launch event, held on 25 May, was attended by representatives of the local authorities, various partners of the company and Mondi Syktyvkar managers.

“Our power plant upgrade is the biggest investment project at Mondi Syktyvkar since the STEP project completed in 2010. The power plant is a central component of the company’s infrastructure. We provide around 20 percent of the regional demand in electricity energy. In addition, we are the only source of heating and hot water for Syktyvkar’s Ezhva district, which is populated by around 60,000 people. Our power plant is unique for both Russia and Mondi. It has been in operation for over 50 years and an extensive upgrade programme is required,” says Klaus Peller, Managing Director of Mondi Syktyvkar.

During the project a new bark boiler, steam turbine and electricity distribution plant will be built. Mondi has already obtained approval from the state expert assessment department, civil construction permission from the supervisory authorities, and has awarded contracts to main equipment suppliers. The upgraded power plant is planned to come into operation in 2019.

Mondi Syktyvkar is a part of Mondi’s Uncoated Fine Paper business unit. The mill is one of the leaders in the pulp and paper industry, and the biggest paper producer in Russia. The company’s core business is the production of office and offset paper. It also produces newsprint, white-top kraftliner and bleached softwood market pulp KOMICELL. The most prominent brand is office paper “Snegurochka”.

We are Mondi: IN TOUCH EVERY DAY

Mondi is an international packaging and paper group, employing around 25,000 people across more than 30 countries. Our key operations are located in central Europe, Russia, North America and South Africa. In 2016, Mondi had revenues of €6.7 billion and a return on capital employed of 20.3%.

We are fully integrated across the packaging and paper value chain - from managing forests and producing pulp, paper and compound plastics, to developing effective and innovative industrial and consumer packaging solutions. With over 100 products customised into more than 100,000 solutions, we offer more than you may expect. Leading brands around the world rely on our innovative technologies and products across a variety of industries such as agriculture; automotive; building and construction; chemicals and dangerous goods; food and beverages; graphic and photographic; home and personal care; medical and pharmaceutical; office and professional printing; packaging and paper converting; pet care; retail and e-commerce; and shipping and transport.

We believe sustainable development makes good business sense. It’s integral to our responsible and profitable growth, and embedded in everything we do, every day. We continue to look for ways to do more with less, promote the responsible management of ecosystems, develop and inspire our people, and enhance the value that our sustainable product solutions create.
**WHO’S DOIN’ ANYTHING? (CONTINUED)**

Mondi has a dual listed company structure, with a primary listing on the JSE Limited for Mondi Limited under the ticker code MND and a premium listing on the London Stock Exchange for Mondi plc, under the ticker code MNDL. We have been included in the FTSE4Good Index Series since 2008 and the JSE's Socially Responsible Investment (SRI) Index since 2007.

**Georgia-Pacific Brewton, AL, mill completes $388 million energy improvement project, invests another $50 million for product improvements**

May 22, 2017 - 17:33

BREWTON, AL, May 22, 2017 (PRNewswire) - Local and state officials joined Georgia-Pacific Brewton mill employees and their families on Saturday to celebrate the completion of a $388 million energy improvement project after two years of construction. The project modernized and streamlined the mix of equipment in the mill’s recovery boiler system and now provides the mill with the ability to generate its own energy using natural gas and biofuel residuals from the paper-making process.

On the heels of this completion, Brewton kicks off another $50 million investment for upgrades to the mill’s paperboard machine. Slated to begin in late summer, this project will rebuild part of the machine and will improve the quality of the mill's white-top linerboard product and increase the mill’s competitiveness.

"The investments in Brewton, and across Alabama, drive home our focus on continuously improving operations and meeting the needs of our customers, our company and communities for the long term," said Christian Fischer, president and CEO, Georgia-Pacific. "I'm proud of the hard work and dedication from our 450 Brewton employees and I'm confident that the mill is positioned for continued success."

Alabama Governor Kay Ivey and other state and local officials were on hand to congratulate the mill team for the successful completion and startup of the energy project. Approximately 700 people including employees, family members and special guests were in attendance.

"Georgia Pacific's total investment of $438 million to grow and expand its business is a testament to the continued opportunity for the success of economic investment in Alabama. Our state is a great place to live, work and to raise a family," Governor Kay Ivey said. "I am committed to continuing to work with existing businesses, like Georgia-Pacific, and to attract new ones to invest here. It's a new day in Alabama and we're open for business."

Brewton Mayor Yank Lovelace, Sr., said, "We are very happy for the Brewton mill team and proud to have this mill as part of our community. This project and others at the mill demonstrate GP's intent to remain a valued business partner of the region for years to come."

This year marks the 10-year anniversary of Georgia-Pacific's $355 million acquisition of the Brewton mill from Smurfit-Stone Container Corp. In the last five years, Georgia-Pacific has invested approximately $8.5 billion into operations across the country, including Alabama, where approximately $1.2 billion in capital has been invested to grow existing operations, acquire new operations, and improve safety and environmental performance across all businesses.

Escambia County Commission Chairman Raymond Wiggins, added, "These projects will keep Georgia-Pacific competitive for generations to come, providing more opportunities for people to make a good living and raise their families here in Escambia County."

Teams at the Brewton mill produce white-top linerboard and solid bleached cartonboard. The mill is the largest employer in Brewton, with approximately 450 employees.

"Today is not just a celebration of this project, but also a day to acknowledge the hard work and commitment our employees made in making this a reality for the mill," said Jeff Joyce, vice president and general manager, Brewton mill. "Today is about recognizing what we've achieved, celebrating those successes and turning our focus to our future and the other important projects planned for our long-term growth."

In Alabama, Georgia-Pacific employs approximately 2,300 people directly, and those jobs create an additional 8,500 jobs indirectly. Total compensation and benefits for Georgia-Pacific Alabama employees is approximately $216 million directly, resulting in a broader economic impact of $644 million in combined wages and benefits.

To download b-roll from the event please click here.

About Georgia-Pacific

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### 2017 Pulp & Paper Industry Division Calendar

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**Conferences**
- ISA FLM
- ISA PC&S

**Holidays**
- New Year’s Day
- Martin Luther King Jr. Day
- Memorial Day
- Independence Day
- Labor Day
- Veterans Day
- Thanksgiving Day
- Christmas Day
- New Year’s Day

**Other Dates**
- Tax Day
- Valentine’s Day
- Halloween

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**Note:** The calendar includes key dates and events relevant to the Pulp & Paper Industry Division, including conferences, holidays, and other significant dates.
"Finding and Evaluating Valve Condition: A part of any Safe and Efficient Operation"

Steven T. Obermann, Metso

"Effective Decision Support in a Crisis! Machines Supporting Humans with a Standards-based Approach"

Dr. Maurice J. Wilkins, Yokogawa

Originally presented at the 2016 ISA Process Control & Safety Symposium at the Westchase Marriott in Houston on November 8 - 10

2017 Process Control and Safety Symposium and Exhibition

Co-located with the 2017 IIS Symposium (Two Great Events, Two Great Programs!)

6-9 November 2017
Houston Marriott Westchase
2900 Briarpark Drive
Houston, TX 77042 USA

Training: 6 November
Symposium: 7-9 November

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**Links to Related Websites**

**ISA Pulp & Paper Website**  
http://www.isa.org/~pupid/

**ISA Pulp & Paper Technical Discussion Forum**  
http://www.isa.org/scripts/lyris.pl?enter=pupid&text_mode=&lang=english

**ISA Technical Conference Session Schedule**  
http://www.isa.org/Template.cfm?Section=Conferences_and_Exhibitions&template=/taggedpage/conferencesbydate.cfm&icid=61

**Pulp & Paper Research Institute of Canada**  
http://www.paprican.ca/

**TAPPI**  
http://www.tappi.org/

**PIMA**  
http://www.pimaweb.com/

**American Forest and Paper Association**  
http://www.afandpa.org/

**National Society of Professional Engineers**  
http://www.nspe.org/

**Swedish Royal Institute of Technology**  
http://www.pmt.kth.se
http://www.hut.fi/English/

**Helsinki University of Technology**  
http://www.hut.fi/English/

**Technical Association of the Australian and New Zealand Pulp &amp Paper Industry (APPITA)**  

**Australian Pulp & Paper Institute**  

**ISO Standards Technical Committee List**  

**ISA Standards Committees LISTSERVER**  
http://www.isa.org/shellcgi/lyris.pl?site=isa&page=topic&topic=standards+committees&text_mode=0&lang=english

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**Quickies**

**ISA Pulp & Paper Technical Discussion Forum**

Anybody (not necessarily an ISA or PUPID member) can subscribe to the PUPID Pulp & Paper Technical Discussion Forum. To subscribe, go to the PUPID homepage at [http://www.isa.org/pupid/](http://www.isa.org/pupid/), select "Link to the PUPID email LISTSERV" in the pick box, click "Join", and enter your email address and a password.

**ISA Member Benefits**

ISA members receive benefits such as the Latest Technical Information, Professional Development Resources, Networking Opportunities, Special Bonus for Student Members, Insurance Program for Independent Contractors and Business Owners, and other personal privileges. Go to [http://www.isa.org/membership/membership-benefits/](http://www.isa.org/membership/membership-benefits/) to see specific benefits.

**ISA PUPID Calendar**

Get a quick overview of ISA PUPID events by going to the Calendar at:  
[https://www.isa.org/division/pupid/events/](https://www.isa.org/division/pupid/events/)
Dear Brad, good morning!

Our partnership with ABTCP (Brazilian Pulp and Paper Association) is going well, we participated in the automation seminar at Fibria (Aracruz unit) in April of this year, where the Director of ISA São Paulo, Mr. Luiz Egreja spoke about Industry 4.0. In the 5th week of pulp and paper that will happen from August 22 to 24 in the city of Três Lagoas we will again have a presentation at the opening with Professor Egreja. At ABTCP's annual congress in October we will have a session on industry 4.0 that Mr. Egreja will also attend.

Thank you very much,

Ronaldo Neves Ribeiro  
Gerente  
DETIN - Departamento de Tecnologia da Informação e Telecom  
Celulose Nipo-Brasileira S.A. - CENIBRA  
www.cenibra.com.br
CONFERENCES / SYMPOSIA

From the World

SEP 08
ISA Texas Channel Sporting Clay Shoot
Friday, 08 Sep 2017

SEP 16
District 1 DLC
Saturday, 16 Sep 2017

OCT 04
CS4CA Europe 2017
Wednesday, 04 Oct 2017

OCT 12
ISA Las Vegas Golf Tourney & Tabletop Event
Thursday, 12 Oct 2017

ANSWERS TO THE TUNING TIP

1. Answer is C Local Field

2. Answer is A Electronic Signal

3. Answer is D NEMA 4 Enclosure
   A. NEMA: National Electrical Manufacturers Association
   B. NEMA 1 and 2 are general for indoor
   C. NEMA 3 is splash proof
   D. NEMA 4 is water proof for wash downs
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