

Pulp & Paper Power

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Pulp and Paper Power are pleased about the network's successes

Two Pulp and Paper Power companies among Sweden's 33 hottest technology companies

The Gothenburg based innovation network Pulp and Paper Power has had its success reflected in the business press. Two of the network's companies, Xylophane and SootTech, are ranked in NyTeknik and Affärsvärlden as two of Sweden's hottest technology companies.

"This type of award combined with a fantastic interest from our clients is immensely inspiring for small companies like us which have an ambition to grow", says Xylophane's managing director Håkan Grubb.

Grycksbo search and find

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Visit these successful companies at the SPCI trade fair, stand A19:28

Grycksbo search and find

Capee Action Station is the analyse and communication software that is always a step ahead. Last out in a line of new functions is the Causal Anomaly Detector.

Product development is a mark of prestige for Capee Group, the company that strives to meet its clients needs, even before they have identified their own requirements. The Causal Anomaly Detector is every production technician's dream.

Numerical analysis has previously been reserved for process engineers because of the advanced mathematics involved. Development of the Causal Anomaly Detector will bring about a paradigm shift in the way mathematics can be packaged, so that even operators can solve routine tasks with the help of multivariate mathematics.

The function is simple to use and extremely fast. When operators notice a deviation in production and register that in their trend curve, an answer is received, which details what factors can have caused it. The result is presented as arrows in the controlsystem's imaging, and the possible causes are ranked in order of probability.



Capee Group's developers are one step ahead.

An enthusiastic Åke Holm at Grycksbo Paper. "Being best is about being quickest at dealing with disruptions and deviations in production. With Capee Action Station we plan to drastically increase our reaction speed. Besides which we will be able to deal with problems, which previously required an engineer's attention, directly at the operator's level," says Åke Holm.

Breaking new barriers

The development of Xylophane has taken another large step forward. The collaboration with the machine producer UMV Coating Systems has shown that the barrier material can efficiently be combined with other materials in an industrial process.

Interest is great and expectations high for how Xylophane can develop and renew the packaging industry's traditional materials. Xylophane has together with the sack producer Jonsac previously proven the function of the material as a grease barrier in industrial bags for spices. Work is ongoing to adapt and verify the material also for other applications, also this in close co-operation with customers.



Examples of packagings where Xylophane could be used

The possibilities are great since the material acts as a barrier not only to grease but also to oxygen and aroma. One partner is the machine producer UMV coating systems with whom Xylophane is developing an industrial coating process, to facilitate production of packaging coated with Xylophane's renewable barrier material. An enterprise which has given very good results.

Most people are aware of that Xylophane has an environmentally friendly product. But just as important is the fact that it is a material which can be produced at a low cost.

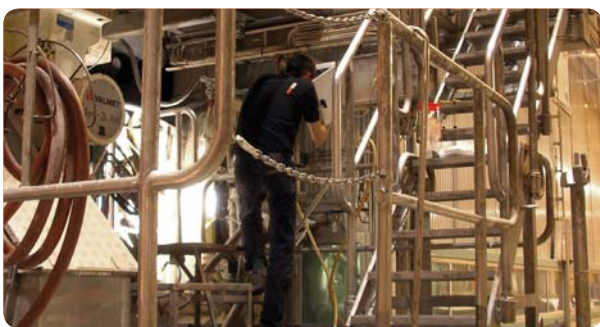
Because of this unique combination, Xylophane is ranked as one of Sweden's 33 hottest technology companies.

Nymölla was first

It was Stora Enso Nymölla who was first to the post. Here is where the reference installation of the unique sensorsystem PressEyes® is situated.

That the pressure profile in paper machine press nips alters depending on whether the machine is standing still or operates is a fact. At Nymölla mill it will be uniquely possible to watch over the pressure profile in the shoe press whilst the machine is fully operational. Expectations are high. The aim is to be able to streamline dewatering without risking machine downtime and operational disruptions. And since every extra tonne of water that is pressed out gives a direct energy-saving, in the form of a reduced requirement of steam for drying, a product such as PressEyes is naturally of enormous interest for every production manager.

That PressEyes is a product with exceptional potential is a fact that many interested parties are in agreement about. The reference installation at Nymölla mill is a joint project between Vasasensor, Stora Enso Nymölla and clothing manufacturer Albany International, in whose belts Vasasensor's sensors are integrated. Also involved in the project is VINNOVA, who, within the branch research programme for the forest and wood industry, is active as financial partner.



Vasasenor's technicians installing in Nymölla mill.

"The next belt we plan to install will be with Vasasensor's technology. It will be exciting to see which customer values are realised and what that will generate for us," says Christian Rosengren, production manager at Nymölla mill.

Bäckhammar breaks records

Only a few weeks after Bäckhammar's mill had taken into operation the world's first HISS installation, the previous recovery boiler production record was broken.

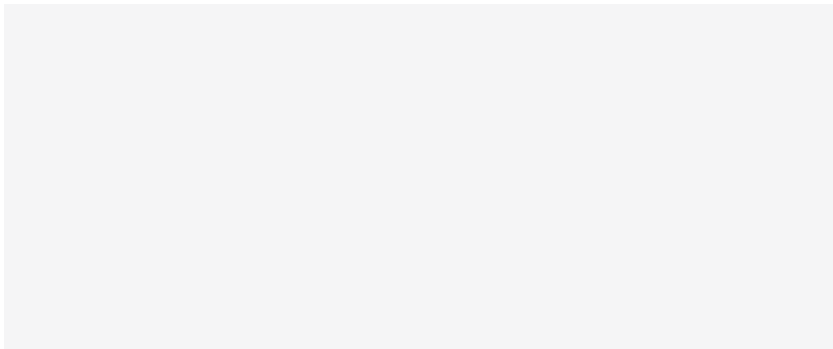
Everyone employed on recovery boilers knows, that if you want to increase production by for example 10%, the requirements for soot blowing will increase by about 40%. With traditional technology that means inevitably large-scale reconstruction of the soot system, at the same time as a sharp increase in production costs is entailed. This was how the facts were, until SootTech's launch of HISS, High Impact Soot System.



An absorbed mechanic from Bäckhammar's mill installs HISS equipment on a sootblower with Mikael Niklasson

Bäckhammar's mill has now experienced this new state of affairs. They have been able to achieve an actual increase in production, at the same time as the amount of soot steam decreased! To the mill's great delight the increase in production has turned out to be permanent.

Another source of satisfaction at Bäckhammar is that the HISS-system has contributed to an increase in efficiency for the mill's boiler. That is connected with the fact that the surfaces inside the recovery boiler are kept cleaner. That SootTech and HISS soot system make the path from investment to returns both short and assured, is absolutely certain. At Bäckhammar's mill they already know this, as do business journals NyTeknik and Affärsvärlden, which list SootTech as one of the hottest technology companies in Sweden.

**B**PORTO
BETALT**vasa**sensor**Vasasensor**

Vasasensor offers a wireless sensor system for measuring the pressure profile in paper machines' press nips.

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SootTECH**SootTech**

SootTech offers a system (HISS) that increase soot blowing efficiency in pulp mills' recovery boilers.

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Xylophane**Xylophane**

Xylophane is developing and commercializing a renewable barrier material for packaging.

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 **capee
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