

Although the DD-Washer PLUS may look similar on the outside, improvements over the years on the inside include a raft of adaptations and additions.



ANDRITZ has recently received its largest ever orders for its biggest DD-Washer units for single line pulp mills in Indonesia and Brazil, and 14 washers in total for kraft and dissolving pulp lines at another mill in Brazil.

FUTUREPROOFING AS STANDARD

One of the advantages of retaining the original outside design of the DD-Washer is that any existing DD-Washer can be upgraded with the latest improvements and technology on the inside.

"Due to the unique basic design that has remained the same while making further improvements over the years, the DD-Washer has always been delivered futureproofed as standard," says Oksanen. "We are able to upgrade practically any existing DD-Washer to include the very latest technology.

"This is perfect for customers with mills that have had to adapt to business environment changes over the years, which may include a need for more capacity, or are simply looking to get higher efficiency with lower energy costs. Thus, upgrading older washers offers the possibility to extend their lifetimes and can be a feasible alternative to replacement with a new unit."

As part of its commitment to ongoing development, the new DD-Washer PLUS comes with the option to include the very latest in digital technology for optimized efficiency and uninterrupted availability.

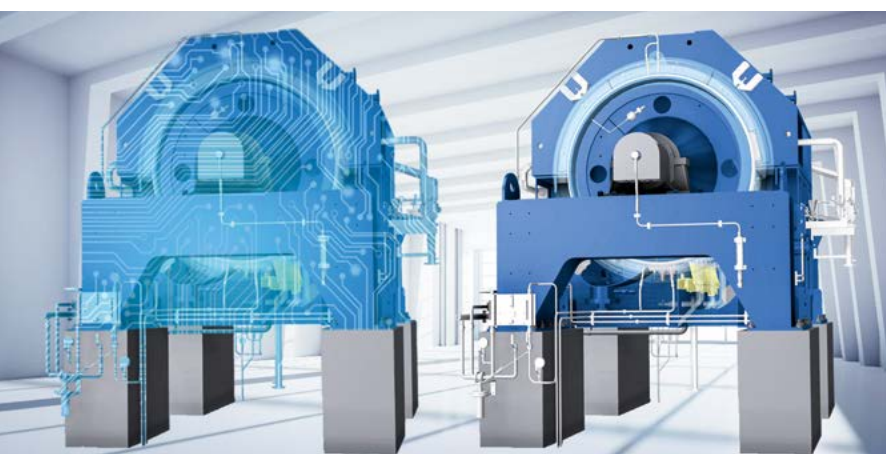
Jussi Piira, Director of Fiberline Digitalization, ANDRITZ, says, "For the DD-Washer PLUS we have developed a number of digital solutions for our customers that center around intelligent functionalities of process automation.

"Using the latest Metris Digital IIoT solutions from ANDRITZ, we can monitor the equipment in real time, which allows us to estimate the lifetime of components in the washer and manage predictive maintenance. It also allows the opportunity to monitor the operational efficiency of the DD-Washer PLUS."

ANDRITZ now has various digital sensors applied to the DD-Washer PLUS that cover all aspects of operation: for example, screen plate scaling index, drum end seal thickness, seal water system diagnostics, predictive maintenance, remote support, and washing efficiency calculations. The main purpose of these digitalization solutions is to ensure timely and necessary maintenance so that the customer can avoid unexpected production losses due to equipment failures and provide the opportunity to operate the washing equipment so that it always offers the best possible performance.

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Health & Safety: Local Safety Challenges Demand Tailored Communication Skills

Over the years, ANDRITZ Chile has provided equipment maintenance, repair, and installation services to customers in the pulp and paper industry through its pulp service division. In the course of our work, we have learned that each safety situation and location demand a unique approach when it comes to the most effective channels of communication.

In August last year, maintenance was performed in the fiber area at CMPC's Santa Fe Mill in Chile. The project involved 81 skilled personnel from ANDRITZ Chile along with around 4,000 workers from other contractors for a period of 15 days.

During this activity, ANDRITZ was tasked to perform maintenance and service on a total of 10 different pieces of equipment, one of the most important of which was the DD-Washer. One of the most critical and relevant activities was the inspection and repair of the PRE-2 filter, as this required a 30-ton piece of equipment that needed to be lifted. To carry out this activity, we had to coordinate constantly with the customer in order to permit our specialized personnel to execute the lifting plan.

Understanding the importance of these activities to be executed, and taking preventive action before and during the task, were key to obtaining good results in terms of safety. The control and monitoring of all preventive aspects took place by using the Quentic Safety Observation system, which allowed the development of tasks avoiding the occurrence of incidents onsite and giving full compliance with the customer's requirements.

The Quentic Safety Observation system is an essential ingredient in the management of safety; however, the optimization of a safe work environment is also about psychology, and how best to communicate the importance of safety in the most successful way. In order to increase our preventive culture at the mill, we brought together all our collaborators involved with the project to reinforce day-to-day safety practices by means of different informative and educational exercises. These exercises involved games and activities that were designed to highlight the importance of all safety measures, and why they were taken, which included: a safety golden rules puzzle, safety fishing, hazard bowling, and even a dance exercise.



ENZO VIVEROS
HSEQ Manager
ANDRITZ Chile

THE MAGIC OF SAFETY

One of the safety dynamics that had the greatest impact on people working in and around the site was an activity called "The Magic of Safety", the purpose of which was to give workers a moment of thoughtfulness and generate a special magic atmosphere, as well as to give them a powerful family message that would remain with them for a long time.



This act consisted of asking four workers to write on a piece of paper the name of the most important person in their lives and then put it in a bag. Then a worker was asked to take one of the papers and read the answer with the name written on it, while a masked figure approached. Once he mentioned the name that appeared on the paper, the magician asked the masked person to come closer and discover her face to reveal her secret identity, which turned out to be his wife.

When everyone saw what happened, an emotional atmosphere was generated within the work team, who applauded and congratulated the magician for his act. To conclude this activity, the wife of our worker spoke to all our gathered workers and reinforced their safety commitment.

The achievement of these successful safety results motivate our HSEQ team to continue working and generating new strategies with the main objective to protect and care for our greatest treasure, our people.

