BEN-iDATA: Monitoring plant performance - any time, anywhere
by Hansjörg Uhl, Benninger.

BEN-iDATA offers mobile, busy managers an easy and convenient way to check the performance of their Benninger plants at any time and from anywhere.

When planning new projects, customers often express the wish for a way to obtain a clearly structured overview of the current central production data. They can then check that production is running correctly and initiate corrective action directly and quickly if necessary. In general, however, works managers, divisional managers and managing directors of textile finishing works are hardly ever able to obtain information on the status and performance of their production plants in the production shop several times a day.

Benninger has developed the BEN-iDATA tool that satisfies this need. A web server installed on the control unit makes the relevant plant data available either on the company intranet or globally on the internet. Users can then easily access this information with a smart phone or notebook by means of their web browser. The website provides information on the fabric currently in production and also which method is being used for fabric processing. Users are given information on the capacity utilisation and economy of the plant, such as the current number of metres currently being produced and the degree of machine efficiency.

In addition, necessary maintenance work is signalled to prevent machine downtimes and ensure plant availability. Another indicator, the carbon footprint, provides information on the ecological and economical use of the plant. To this purpose the current plant resource consumption is compared with the programmed reference data. Excessive deviations from the optimum values are signalled accordingly.

With BEN-iDATA customers are always well informed about the performance of their plants - any time, anywhere.

Sustainability through innovation:
New wave AVITERA® SE Technology brings wider range of colors to meet every need

Continuing from the success from its introductory launch in October 2010, AVITERA® SE from Huntsman Textile Effects, a leading global provider of high quality dyes and chemicals to the textile and related industries, continues to make strides in contributing to the economic and environmental sustainability.

AVITERA® SE is a revolutionary, ground breaking technology that helps Textile mills increase production outputs and significantly reduce water and energy consumption and CO₂ emissions by up to 50% since the dyeing and washing-off process never exceed 60°C. With only five percent or less unfixed dye needing to be removed instead of the usual 15 percent to 30 percent, the number of rinsing baths to obtain the required fastness properties is greatly reduced.

High solubility also allows AVITERA® SE dyes to be applied at ultra-short ratios and ensure much lower processing costs. In addition, its outstanding compatibility and low sensitivity to dyeing parameters gives excellent lab-to-bulk and bulk-to-bulk reproducibility, thereby minimizing reprocessing.

Huntsman Textile Effects continues to deliver relevant products, experienced knowledgeable people and innovative solutions that are tailor-made to help businesses make real savings. Launching the next wave of AVITERA® SE range of polyreactive dyes for exhaust application on cellulosic fibers, the improved range now features a broad palette color spectrum that includes the palest to the deepest and the darkest shades.

In the first six months after AVITERA®SE was launched in 2010, Huntsman Textile Effects estimates that the cotton mills using the new product have saved 32 million gallons (121 million litres) of fresh water – equivalent to 48 Olympic-size swimming pools. That water-savings potential amounts to one quart (1.3 litres) of fresh water per person per day in major Asian textile processing countries such as China, India and Bangladesh, where water is most scarce. These savings are significant as the world demand for fresh water is expected to increase by 40 percent with up to 26 gallons (100 liters) of water needed to dye just two pounds (one kilogram) of cotton fabric.

Added Paul Hulme, President, Huntsman Textile Effects. "The textile industry as a whole is increasingly facing some very tough challenges in meeting with stricter regulations that govern sustainable and environmental business practice. Huntsman Textile Effects believes that innovative technology is the key to driving environmental sustainability and in making a real global difference. We believe that we have a responsibility to adopt and to offer the latest technologies such as AVITERA® SE that not only cuts water consumption and reduces energy consumption but also to empower and partner our customers to develop their businesses. We are pleased to share that many of our customers who had used our AVITERA® SE dyes had reported higher levels of productivity and lower processing costs, thereby helping them to save costs."

AVITERA® is a registered trademark of Huntsman Corporation or an affiliate thereof in one or more, but not all countries.