AVFM 6.1 provides area velocity readings for the textile industry in Vietnam.

It is estimated that the fashion industry uses around 93 billion cubic meters of water per year, which is around 4% of all freshwater extraction globally. Throughout the production process of textiles and garments, it takes on average 10,000 to 20,000 liters of water to cultivate just one kilogram of raw cotton.

When it comes to textile dyeing and finishing of the raw fiber, this is also a thirsty business. It is estimated that processing (including spinning, dyeing, and finishing) a kilogram of fiber (not just cotton, but also polyester and other materials) requires 100 to 150 liters of water!

Textile Wastewater Treatment

Due to the dyes and other chemicals that laden the wastewater from textile manufacturing plants, it is a main environmental concern for both manufacturers and environmental regulators across the world. This contaminated wastewater can have detrimental impacts on the surrounding environments, and can be harmful to fish and other aquatic wildlife that reside in local water courses. Therefore, it is crucial that textile wastewater is treated before it is discharged back into the water cycle.

Wilson Group, a long-standing player in the textile industry is committed to providing environmentally friendly goods and treating their wastewater via bio-chemical treatment methods, ensuring they comply with the China Environmental Bureau and ISO14001 standards.

The Application

Wilson Group needed a flow reading on a pipe outlet that was not 100% full and under concrete at their Vietnam factory. They contacted TVA Solutions, a Pulsar Measurement partner for Vietnam for help. After the initial site visit, it became clear that Wilson Group were looking to measure the flow of wastewater from the treated water tank to the collection pit of the industrial park that flowed through their HDPE DN315 pipeline.

As the pipe was not 100% full, TVA solutions recommended that they should use the AVFM 6.1 to get a full overview of flow throughout the pipe. The area-velocity flow

"TVA Solutions handled the installation of the product to the wastewater pipe at the Wilson Group Vietnam Factory, leaving the customer very satisfied with the quality of the equipment."

measurement method is the most common method of all flow measurements. The AVFM 6.1 from Pulsar Measurement uses a submerged ultrasonic sensor that measures both level and velocity of flowing liquid to calculate flow measurement in an open channel or pipe. The ultrasonic sensor mounts inside the pipe or on the bottom of a channel with a stainless-steel mounting bracket and a single screw into the bottom of the pipe or channel.

TVA Solutions handled the installation of the product to the wastewater pipe at the Wilson Group Vietnam Factory, leaving the customer very satisfied with the quality of the equipment.

To find your local Pulsar Measurement partner visit our partner locator: https://pulsarmeasurement.com/partnerlocator

More Information

AVFM 6.1 Area Velocity Flow Meter: www.pulsarmeasurement.com/avfm-6-1

Partner Locator: www.pulsarmeasurement.com/partnerlocator

AVFM 6.1 sensor monitoring flow at pipe outlet.

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