



World of Rice to be transformed by Buhler's Total Sense IoT Innovation

A new digital rice analyzer TotalSense has been introduced by Bühler Group, which enables the reduction of costs, improvement of yield, and improvement of quality for rice processors.

This innovation features a number of new solutions and is part of Bühler's digitalization initiative that leverage the power of IoT with increased customer value.

Bühler is implementing a digitalization strategy to lead the industry and create innovative solutions with high value for its customers. "We are positioning ourselves at the forefront of this accelerated transformation.

Digitalization can bring consumers and producers closer together and increase performance, efficiency, and quality" says Stefan Scheiber, CEO of the Bühler Group.

Rice farmers often manually measure and inspect rice grains to ensure they meet preset size and other parameters. This process can be slow, subjective, and prone to errors. To improve this situation, Bühler has developed TotalSense.

This mobile rice analyzer speeds up the quality process and introduces objective and traceable data through the use of the Internet of Things and cloud technol-



Ian Roberts, CTO of the Bühler Group.

ogy. The mobile rice analyzer delivers reports on quality within minutes by uploading a picture of a sample to a cloud-based solution.

As a result, rice farmers save precious time and benefit from an early warning system that prevents the contamination of entire batches.

The value of IoT is particularly evident for food safety. Reputation damage of food producers from food fraud or recalls



is incalculable. Bühler has therefore introduced a food safety alert system designed to mitigate these risks by combining food safety databases and early warning systems under one coherent, cloud-based solution. "Now we have the opportunity to connect with our partners, flagging risks but also giving insights on potential solutions", says Béatrice Conde-Petit, Bühler's Food Safety Officer. This digital service is in its final development stage and will soon be available.

"These innovations are the beginning," says Ian Roberts, CTO of the Bühler Group. "We are investing considerable resources in developing digital services. We partner up with start-ups, researchers, institutes, and customers in order to bring relevant innovation to our customers." ♦