



## **Polish ethanol producer BGW to reduce GHG emissions with Whitefox ICE®**

### **BGW Sp.z.o.o. continues to invest in expansion and modernisation of its ethanol plant in Poland by installing the first large-scale Whitefox ICE® membrane solution in Europe to improve energy and water efficiency.**

Poznań, Poland, 17 February, 2021, Whitefox Technologies is pleased to announce that BGW Sp. z o. o. is to install its Whitefox ICE® membrane dehydration system at BGW's 108 million litres per year plant in Rąbczyn. The project involves installing a Whitefox system designed to produce up to 400,000 litres per day of anhydrous ethanol. The project is in construction and is due to start up towards the end of 2021.

Bartosz Walkowiak, BGW President and CEO, said in a statement, "BGW is continuously looking to expand high quality production of bioethanol, for industrial and biofuels uses to meet the growing demand for our products. At the same time, we target ongoing operational efficiencies to meet CO<sub>2</sub> targets and reduce costs. Since we first purchased the distillery in Rąbczyn in 2002 we have undertaken several modernisation initiatives to create a state-of-the-art plant. Whitefox's membrane solution will help us take a further leap towards our overall goal to produce the most energy efficient ethanol in Poland".

Gillian Harrison, Whitefox CEO said: "We started to work on this solution with Bartosz and his team over a year ago and together we developed an advanced solution to help BGW set a new standard in ethanol production. It will also be the first Whitefox ICE® solution to directly dehydrate ethanol from 50% to 99.9% in the main production stream. At Whitefox we are focused on using our membrane separation technology to help industry address the challenges of meeting Europe's NetZero targets."

Whitefox ICE® is a membrane-based technology solution that dehydrates water-rich recycle streams to produce high-purity ethanol. Its technology is already operating in 8 US ethanol facilities, eliminating recycle streams from molecular sieves to improve energy consumption, carbon emissions and operational costs. The membrane solution developed for BGW takes the technology one step further by being the sole dehydration technology in the stream, rather than sitting alongside molecular sieves and thereby providing a step-change improvement in overall plant efficiency.

#### **About BGW Sp. z. o. o.**

BGW Sp. z o. o. was established in 1990, the company initially based its activities on trading liquid fuels and engine oils. The Company has firmly established itself as a leader



in the market for the production of animal feed from ethanol co-products from corn based DDGS and corn oil. Over the years, through constant investments, it has expanded its activity to other industries and now the main direction of the company's activities is the production of ethanol at the Production Plant in Rąbczyn.

**About Whitefox Technologies Limited**

Established in 2000, Whitefox specialises in technology development and process integration based on its proprietary membrane solutions. Whitefox's Integrated Cartridge Efficiency solution (**Whitefox ICE**<sup>®</sup>) is a membrane-based dehydration solution with a small footprint. Its efficient designs help reduce operation and maintenance costs by simplifying production, reducing GHG emissions by reducing energy consumption and improving the water balance in ethanol and organic chemical manufacturing processes. Whitefox provides solutions for fuel ethanol, other biofuels, and industrial alcohol production in the U.S., Canada, Europe, and South America.

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