

PRESS ARTICLE

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Sidel Super Combi Compact water complete line enhances both performance and sustainability for Zual Water Factory, in Sharjah, UAE



Thanks to enhanced performance, Sidel's Super Combi Compact complete water line opened the door for more business opportunities for Zual Water Factory, in Sharjah, UAE (Zual). Running at up to 45,000 bottles per hour (bph), the line not only delivers increased productivity by 280%, but also helps the company save 56% on energy costs, when compared with their existing PET line. In addition, with the new, lighter PET bottle and optimisation of utilities, there has been a considerable reduction in the overall carbon footprint.

Zual was established by H.H. Sheikh Dr. Sultan Bin Mohammed Al Qasimi, Supreme Court Member, and Ruler of Sharjah, which is part of SEWA (Sharjah Electricity and Water and Gas Authority) in the UAE. The company's vision is to provide clean, pure drinking water for all people in the region. In 1995, Zual was the first government organisation to address this requirement. It is the only water enterprise that provides 100% pure groundwater directly from the Hamdah wells in Sharjah. The water is certified by international standards and packed according to the highest international standards for packaging drinking water.

The connection between Zual and Sidel can be dated back to the late 1990s, when Zual first installed a Sidel blower. In 2019, the company reached out to Sidel again for a new high-speed line to meet market demand. As a complete line solution provider, Sidel consulted the customer on packaging design and line capacity, as well as line design and layout to enhance the overall performance.

Greater productivity opens the door for more business opportunities

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After 18 months of discussion, Sidel provided Zulal the Super Combi Compact water line, running at up to 45,000 bph. The layout was a key element of the line design for this project, because the line had to be installed in the existing location. Sidel experts managed to accommodate the configuration of the Super Combi Compact and conveyors, as well as two packers, into that space, thereby achieving approximately a 25% overall space saving due to the redesigned “Accumulation, Combiner and Labeller”.

The new line provided Zulal with greater line efficiency and productivity enabling further business opportunities. “After installing Sidel’s complete water line, we now have the capacity to supply our products to major airlines, hotels, schools and offices. We are really pleased with the enhanced performance,” said Mr. Ali Ahmed Ali Al Kindi, Manager of Zulal Department at SEWA. As Sidel’s motto goes “Performance through understanding”, continuous communication with clear information played a key role in this cooperation to better understand consumer’s needs and achieve goals.

New bottle design and production line aligning with sustainability goals

In line with SEWA’s sustainability policy, Zulal wanted to optimise its carbon footprint. By redesigning the PET bottles, and reducing the weight, the new bottle for 330ml and 500ml formats now weigh just 9.75g and 12.5g, which saved up to 0.65gm and 1gm respectively per bottle. It also contributes to reducing Zulal’s carbon footprint with considerable PET savings, namely an estimation of saving 215kg for 330ml and 331kg for 500ml per shift production run. Additionally, thanks to Sidel’s complete line solution, Zulal pays 56% less for energy, while increasing the productivity by 280% compared to their existing line.

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Sidel is a leading global provider of packaging solutions for beverage, food, home and personal care products in PET, can, glass and other materials.

Based on over 170 years of proven experience, we help shape the factory of tomorrow, through advanced systems and services, line engineering, eco-solutions, and other innovations. With over 40,000 machines installed in more than 190 countries, Sidel has 5,000+ employees worldwide who are passionate about providing equipment and service solutions that fulfil customer needs.

We continuously ensure we understand the evolving business and market challenges our customers face and commit to meeting their unique performance and sustainability goals. As a partner, we apply our solid technical knowledge, packaging expertise and smart data analytics to assure lifetime productivity at its full potential.

We call it **Performance through Understanding**.

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