LIQUID DAIRY PRODUCTS
EXPAND YOUR DAIRY BUSINESS WITH HIGHER QUALITY AND SAFETY

sidel.com/LDP
Liquid dairy products already account for one fifth of worldwide beverage sales; and that is expected to grow a further 5% by 2016. A key reason for this growth is healthier lifestyles, which liquid dairy beverages with their natural and nutritious content appear tailor made for.

Rising incomes in the developing world are seeing this healthier lifestyle trend spread to vast new markets – which are also experiencing increased urbanisation and a cultural dietary shift toward dairy and liquid dairy products in particular.

Meanwhile, in the more mature markets of the developed world, current consumer trends relating to health, varying tastes and flavours, convenience and value for money still present niche growth opportunities. Notably the trend for enriched dairy products with healthy functionalities such as milk-based probiotics, added calcium for bones, milk with Omega 3 for healthy hearts and, preservative- and additive-free natural products is gaining momentum.

Preferences are also changing in regards to on-the-go consumption: people are moving away from standard sizes to smaller packages such as portion/single serve. Conversely there is also a demand for multi-serve options and larger bulk sizes for families.

**PRODUCER NEEDS**

Producing top quality, safe liquid dairy products requires the right combination: dairy product stability, which is based on the liquid recipe and processing methods; the right packaging to properly protect the dairy drink and fulfill its shelf life; reliable packaging equipment with the appropriate hygienic design and the optimal distribution method.

Responsible business practices are another key producer concern. Achieving this requires a high degree of flexibility that doesn’t affect productivity, along with production facilities and packaging solutions that reduce the environmental impact and cost base.

**PET: THE PACKAGING MATERIAL OF CHOICE**

Carton and HDPE are currently the most widely used packaging formats for liquid dairy products, with glass as the most traditional packaging material. In comparison, PET still only accounts for 2% of packed liquid dairy beverages. However, this is expected to annually increase by 5% by 2016, which is higher than the growth projected for carton and HDPE.

PET’s growth across liquid dairy products can be credited to its 100% recyclability along with the excellent barrier material properties that extend shelf life even without aluminium foil, bottle design freedom and the greater brand recognition possibilities offered by the package transparency. With 30-years of experience in PET and 50-years expertise in blowing, Sidel makes the most of PET’s potential to deliver the optimal package for liquid dairy products integrity, cost-efficiency, sustainable performance and consumer satisfaction.

**THE SOLUTION IS A BETTER MATCH**

Whatever you need, Sidel can help you by being A Better Match. We offer safety across the line, while ensuring an efficient production that lowers your costs.

A Better Match is the optimum combination of what you need, when you need it. It’s about understanding your beverage’s features and how to protect it throughout the entire supply chain to the moment of consumption. It’s about designing innovative and functional bottles that are simultaneously more economic and cost-efficient to produce. It’s about differentiating your brand with production that delivers the same high results every time. Moreover, it’s about providing legal support and training backed by our global expertise.

When it comes to your needs as a liquid dairy producer, we can deliver A Better Match by equipping your production with our five Proven Possibilities: Food safety, Product integrity, Line flexibility, Production efficiency and, Consumption reduction.

**MODERN LIFESTYLE TRENDS ARE GIVING DAIRY PRODUCTS NEW LIFE**

**LIQUID DAIRY PRODUCTS HAVE ALWAYS BEEN A NUTRITIOUS STAPLE OF DAILY LIFE AND NOW, WITH THE GROWING EMPHASIS ON A HEALTHIER LIFESTYLE, THEIR CONSUMPTION IS BECOMING MORE POPULAR THAN EVER.**
FIVE PROVEN POSSIBILITIES CAN DO MORE FOR YOUR LIQUID DAIRY PRODUCT BUSINESS THAN EVER BEFORE

SIDEL MEETS YOUR SPECIFIC NEEDS, WHILE INCREASING SAFETY AND PROFITABILITY

Liquid dairy products is an exceptionally broad category that is differentiated by a rich variety of recipes and consistencies. That is why it is crucial to understand the challenges inherent to each of them. At Sidel we understand that the ability to meet diverse demands, while maintaining product safety and cost-efficiency, is essential to your success. We can help you to efficiently produce a variety of products with increased flexibility, reliability and excellent product integrity. We make sure your beverage business remains sustainable, while ensuring food safety and drink quality. We also help you to significantly improve your total cost of ownership (TCO). Ultimately, Sidel gives you proven results, demonstrated globally.

Proven possibilities.
OUR SOLUTIONS ARE DESIGNED TO PROTECT YOU AND YOUR CUSTOMERS.
At Sidel, food safety is a part of our company culture and intrinsic to everything we do. This means our customers benefit from unique beverage industry expertise that focuses on understanding the end product – and excels at producing reliable hygienic packaging and equipment that comply with regulations and achieve high standards of food safety.

All of the Sidel team – from our laboratory scientists to our equipment designers, assembly and installation experts and field service engineers – are devoted to ensuring the integrity of our customers’ end products.

SAFETY AND QUALITY ARE NON-NEGOTIABLE
The production of safe and high quality liquid dairy products requires the correct handling of key parameters such as ingredients (calcium, vitamins and sugar), acidity (pH) and characteristics (viscous, with cereals or fruits pieces). Protecting their nutritional and sensorial (taste, colour, texture, smell) properties requires special attention in production, storage, shipment and distribution. The quality of liquid dairy products can be compromised by micro-organisms, growth and alterations caused by light, oxygen and temperature.

Therefore, the liquid recipe and processing as well as the right packaging and the bottling equipment are key to avoiding the risk of contamination. With its physical product and food barrier protection benefits, PET bottles ensure great taste and safety throughout the supply chain.

At Sidel, our in-house laboratory scientists perform analyses for our customers such as liquid dairy product characterisation, assessment and recommendation of the right packaging solution (PET resin and barrier materials, caps, etc.) to ensure the optimum solution for each customer’s products. Our teams can also support customers with microbiological and troubleshooting analyses in the field and elaborate specific validation protocols.

HYGIENIC BY DESIGN
We all have a responsibility to safeguard end consumer health and safety. That’s why global food safety standards place stringent requirements on the packaging industry. At Sidel our goal is to comply with food industry standards such as those of the European Hygienic Engineering & Design Group (EHEDG). This is based on hygienic equipment design standards relevant to the materials, surface finish, construction and fabrication, installation, operation and maintenance. Excellent manufacturing practices and traceability are also standard.

All Sidel engineers involved in design, assembly, installation and equipment maintenance are regularly trained to update their hygienic design and food safety competences. This enables them to continuously improve food safety processes and sanitation practice performance, and results in reliable and safe packaging production lines that meet the ISO 22000 international standard. We also provide HACCP (hazard analysis and critical control points) plans and methods, as well as recommendations on laboratory and quality analyses.

“...in terms of food safety. This new line ensures efficient microbiological load reduction and shelf life increase. We appreciate the support of Sidel technicians, who were really communicative and reactive during the line installation, at the start-up and in the following months.”

– Olympos, Romania

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PRODUCT INTEGRITY

MAKE IT A PRODUCT YOU WILL ALWAYS BE PROUD OF

SIDEL ENSURES YOUR PACKAGING PROTECTS BOTH YOUR LIQUID DAIRY PRODUCT AND YOUR BRAND BY PRESERVING END-PRODUCT QUALITY AND INTEGRITY.

Sidel goes way beyond being a solution provider of equipment and services. We add real value to your business with a particular focus on product integrity. Product handling is especially delicate in the liquid dairy products segment: special care is required to manage the various recipes and ingredients while preserving end-product features and quality.

PET DIFFERENTIATES, FITS TRENDS AND IMPROVES TCO

Consumers are demanding drink packages that fit with a more mobile, on-the-go lifestyle. At the same time there is a demand for multi-serve options and bigger bulk milk sizes for family consumption.

PET bottles are the answer to what they – and you – require. One reason for PET’s growing popularity is the user-friendly, non-breakable, resealable and recyclable packages it makes possible. The closure tightness also adds to PET’s convenience, even without aluminium foil. Meanwhile the barrier material properties protect the beverage quality, taste and vitamin content. The greater freedom PET brings to bottle design allows brands to better showcase themselves on both transparent and opaque packages.

TESTED FOR REAL LIFE

Sidel conducts extensive testing, simulating conditions across the supply chain in order to improve product quality and consumer experience. Our liquid-package interaction scientists work closely with liquid dairy beverage producers and suppliers to conduct vigorous microbiological tests, assist in choosing the most compatible PET resin and help select the best barrier solutions to optimise shelf life, product protection and liquid quality.

A FILLING SOLUTION DESIGNED TO PRESERVE YOUR LIQUID DAIRY PRODUCTS’ SAFETY

The demand for natural liquid dairy drinks is increasing across the world, with or without fruit pieces or cereals, and in cold chain (refrigerated) or ambient (normal room temperature) distribution. Consequently, Sidel provides the suitable filling technologies to handle them safely: regular filling, ultra clean filling and aseptic filling. These fillers are available in standalone or in integrated blow-fill-cap configuration (Combi). They can also benefit from Predis™ technology – Sidel’s unique patented dry preform-decontamination solution. This helps to protect liquid packaging from micro-organisms, preserves sensitive drink integrity and lengthens shelf life. It can also help to reformulate sensitive products previously packaged with added preservatives into a more natural recipe.

“...the Sidel team worked to find a solution for us, and not just fit us into a solution. Sidel has met all our expectations and continues to be a business partner that provides assistance and technical advice as we continue to grow.”

– Byrne Dairy, USA

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"The Sidel aseptic line now offers great versatility for the production of the full range of IFRI aseptic products under the fruit brand (fruity drinks, drinks based on fruit juices and milk, 100% fruit juices and fruit nectars) as well as Azro brand isotonic drinks. In terms of containers, flexibility is also the watchword."

– IFRI, Algeria

**CONSUMERS TODAY EXPECT MORE THAN EVER BEFORE. Sidel WILL HELP YOU DELIVER.**

Meeting the market demand for variety means being able to package multiple beverage flavours and bottle sizes on the same line; while improving time to market on new products.

**DIVERSE FILLING AND PACKAGING**

Liquid dairy products are unique in their composition, texture, appearance, taste and flavour. It is therefore vital to choose the right packaging and filling technology to protect your beverage. Our experts will help you do it with services that include protective packaging barrier material evaluation for light or oxygen sensitive products.

Sidel offers a wide range of filling solutions in both standalone and Combi (integrated blow-fill-cap solution) configurations, including solutions for regular filling, ultra clean with or without dry preform decontamination, and aseptic in both dry preform decontamination and wet bottle decontamination. These can cater to a variety of milk drinks and yoghurts on the same line.

**ULTRA CLEAN AND ASEPTIC FILLING**

Sidel’s filling solutions for low acid products in PET give our customers greater flexibility in terms of type, bottle shape, format and weight.

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**LINE FLEXIBILITY**

**A LINE AS FLEXIBLE AS YOUR CUSTOMERS REQUIRE**

As an alternative to the flow-meter technology for refrigerated liquid dairy products, the Combi Predis™ GWm is designed to handle a huge variety of yoghurts, with or without pulps or particulates, and makes flexible filling possible through the use of Gravimetric Weight Technology. It is capable of filling liquid and viscous products with particulates up to 5x5x5 mm with fast product changeovers. The solution handles from 100 ml to 2 L in Combi configuration (and 3.7 L in standalone) with a shelf life of up to 60 days. It is easy to use and features dedicated and customised filling nozzles, container guidance, quick changeovers and full traceability. The cleaning configurations range from semi-automatic cleaning processes to complete automatic cleaning cycles.

For products filled and distributed at room temperature, Sidel offers the flow meter Sensofill™ FMa filler that can handle 4,000 to 52,000 bottles per hour. It is ideal for a broad variety of low acid products, from UHT milk to the most challenging soy or yak milk, with or without inclusions. The system manages containers from 200 ml to 2 L and all bottle finishes; and accommodates both flat and sport caps. Bottles and caps are sterilised by peracetic acid (PAA) and rinsed with sterile water.

**BOTTLE DESIGN AND WEIGHT FLEXIBILITY**

You can greatly enhance your production flexibility by replacing traditional wet bottle decontamination with dry preform decontamination, and by integrating all the blowing, filling and capping functions into a single production enclosure: the Combi Predis. The bottles are simply and safely blown from decontaminated preforms, ensuring the empty bottle does not undergo any thermal stress.
“Because of the integrated manufacture of our bottles as well as the switch from HDPE to PET, we have secured major savings in both production and the cost of raw materials.”

– DANONE, Russia

PROVEN

LESS COST THAN DRY BOTTLE DECONTAMINATION WITH THE WHOLE ASEPTIC COMBI EQUIPPED WITH DRY-PREFORM AND CAP DECONTAMINATION

30%

PRODUCTION EFFICIENCY

MAXIMISE PRODUCTIVITY WHILE LOWERING OPERATING COSTS

IT’S THE BALANCE EVERY PRODUCER SEeks:
MAXIMUM PRODUCTIVITY WITH MAXIMUM COST SAVINGS.

COST-EFFECTIVE AND OPTIMISED PRODUCTION OF PET BOTTLES

The market for liquid dairy products is growing. Keeping pace with it while keeping the operating costs and environmental impact down is one of the most difficult challenges facing liquid dairy beverage producers.

PRODUCTIVITY FROM LOW TO HIGH SPEED

The unique and proven aseptic Combi Predis FMa Capdis range answers to both high and low production volume needs: it can handle from 8,000 up to 52,000 bottles per hour. The low-output aseptic Combi Predis FMa Capdis caters to the widely required core output of 12,000 bottles per hour for a 1 L bottle. It responds to multiple global market demands, such as small batches for market-testing new recipes prior to large-scale production; as well as slower-moving lines for niche products; or smaller product volumes to serve regional markets.

There is also a high-speed model for large volume production for the bottling of small on-the-go containers of up to 700 ml.

The Combi Predis FMm and the Combi Predis GWm cover all ultra clean production requirements for refrigerated dairy products, from 8,000 to 40,000 bottles per hour. They significantly reduce the microbial load within the containers, enabling a longer shelf life while reducing or eliminating the need for preservatives.

RELIABLE AND COST-EFFECTIVE UPTIME

The aseptic Combi Predis FMa Capdis is reliable and simple to operate and maintain. The aseptic filling environment allows a continuous sterile production of up to 120 hours. Due to the fast and easy changeovers and simple cleaning and sterilisation, only three hours are required between bottle-to-bottle productions ensuring optimal uptime and equipment availability.

These dry-decontamination solutions also optimise ultra-clean liquid dairy beverage production. They also feature self-correction functions to ensure precise filling with minimum deviation possible. The tank level can be adjusted to various products and enables a fast and flexible changeover that increases overall production efficiency. The Combi Predis FMm’s reliability is based on optimised flow rates, a fully automatic cleaning system and SIP temperatures that are adaptable to product and shelf life requirements. Based on a weight filling technology, the Combi Predis GWm also benefits from an adjustable tank level that allows accurate filling for a wide product variety. It enables a 98% efficiency rate and foam reduction due to its low and high flow speeds.

SIDEL SERVICES GIVE A LITTLE BIT MORE

The performance of all our solutions is enforced through training programmes to ensure you and your team get the most out of your equipment right from the start. We also offer maintenance agreements, preventive maintenance, line audits, hotline support and remote access services to maximise your line efficiency over time.
CONSUMPTION REDUCTION
A LITTLE LESS
REALLY CAN GO
A LONGER WAY

REDUCING THE AMOUNT OF CONSUMED MATERIAL, ENERGY, WATER AND CHEMICALS HAS FAR-REACHING POSITIVE EFFECTS IN TERMS OF REDUCED COSTS AND ENVIRONMENTAL IMPACT.

PET PACKAGING BOOSTS MARGINS
Packaging liquid dairy products without affecting safety, quality and customer appeal is challenging. Sidel enables producers to significantly differentiate their brand with the right PET package and filling solutions while maintaining liquid dairy beverage integrity.

It starts with a thorough analysis of your product and brand aspirations. Our experts first evaluate if a PET barrier would be beneficial. They can adjust the bottle shape and weight, adapt a short neck finish for lightweight closure, and design the most suitable preform for the right mechanical bottle resistance. During the industrial production, they also help to define the appropriate heating and blowing process.

The unique preform neck protection in the oven, integrated quality-control systems and auto adjustment functionalities ensure the optimal weight distribution without jeopardising the mechanical bottle performance. The bottles produced will retain their integrity from packing to consumption as well as ensure the proper beverage protection – while fulfilling shelf life requirements.

FEWER CHEMICALS, LESS WATER AND ENERGY
Sidel’s dry-preform and cap decontamination, Predis and Capdis, offer significant environmental benefits such as minimal chemical usage and the use of hydrogen peroxide mist that removes the need for rinsing water. In comparison, traditional aseptic filling systems with wet bottle rinsing consume approximately 180 m³ of sterile water and 220 L of chemicals per day. Compared to dry bottle decontamination, the aseptic Combi Predis FMa Capdis can cut annual costs by up to 30%.

“Compared to a standard machine, we have cut our overall water consumption by a factor of three for all of our production facilities. We also lightened our one-litre bottle by 4 g on an aseptic line with wet decontamination of bottles. It now weighs 28 g, and the goal is eventually to get it down to 24 g.”
– LSDH, France

PROVEN
NO WATER
AND ALMOST NO CHEMICALS ARE USED FOR DRY BOTTLE AND CAP DECONTAMINATION
PACKAGING SOLUTIONS THAT KEEP IN YOUR PRODUCT QUALITY

THE RIGHT PACKAGING IS CRUCIAL
There are multiple variables that can affect product integrity as well as many possibilities to enhance it. By incorporating Sidel’s scientific, creative and industrial expertise early in the process you can optimise your bottles and ensure food safety, while achieving a faster time to market. Sidel will help you streamline your industrial bottle design and production. Our approach includes optimising bottle weight while improving bottle stability and rigidity to maintain product integrity across the supply chain. We can also work with your creative design teams (either in-house or an external agency) to give life to an industrial package.

LIQUID-PACKAGE INTERACTION ANALYSIS
Sidel believes there is only one product that matters: yours – the liquid and the package together. Light, oxygen and temperature can influence the quality of your end products. So our liquid-package interaction experts perform laboratory tests under real supply chain conditions. These test various options to determine the best packaging solution for the desired shelf life and distribution method. They take into account the recipe, processing parameters and production conditions. The analysis also:

- Characterises beverages, with or without particles, to understand their features and define the right complete bottling solution.
- Assesses beverage behaviour in a variety of packaging (barrier materials) to minimise or eliminate the risk to product integrity and quality posed by micro-organisms, light, oxygen and temperatures.
- Provides microbiological and trouble-shooting analyses and complex specific validation protocols on site.

Based on their analysis, our experts can advise you on a very effective and safe packaging solution for your products according to the required shelf life.

WITH SIDEL, YOU HAVE THE EXPERTISE AND CONVENIENCE OF A SINGLE PARTNER

EXTENDED PERFORMANCE ACROSS THE LINE
We make sure that our complete line solutions offer a distinct competitive edge in a highly competitive beverage market. From overall project design, to the line’s installation in your facility and on-going lifecycle management, you will benefit from having all the necessary capabilities in one supplier. We apply our engineering expertise and advanced technical solutions to create greater line reliability with the ability to adapt to very specific needs.

Our fully integrated solutions employ the processing equipment and capabilities of Tetra Pak Processing Systems. You can benefit from our extensive expertise on how to best match your beverage recipe to the optimal treatment, filling and packaging solutions. Our collaboration puts the experience gained from more than 80 global joint complete line projects at your disposal. Our project management team always aims to deliver on time and in full with a fast ramp up. By taking a holistic view of the production cycle and line performance, we can optimise uptime and operating costs and help maintain the line’s performance throughout its lifetime.

LABELLERS
With Sidel Matrix™ Rollfed you can speed up label application and cut costs on everything from materials to maintenance. It allows customers to produce attractive labels at a reasonable cost. It can also handle outputs from 30 to 40,000 bottles per hour, and bottle diameters from 45 mm to 160 mm and can comfortably manages various materials and very lightweight bottles.

Sidel Rollsleeve is a flexible 2-in-1 solution that easily switches between shrink-sleeve labels for shaped containers and classic hot-melt applications. As well as enabling customisation, it helps lower your costs and environmental impact by reducing film thicknesses and avoids the use of glue and solvents. The heat and cool sealing system ensures precise and repeatable overlap closure and excellent post-shrinking.

END-OF-LINE
Sidel supplies complete line solutions by integrating end-of-line solutions that fit your line specifications in terms of layout, output and flexibility. Wrapping and packing solutions may include traditional and robotic technologies capable of multiple production speeds. These flexible and ergonomic solutions can handle a variety of film and cardboard secondary packaging types. They also facilitate fast automatic changeovers and take up minimal floor space.

Customised and efficient palletising/depalletising solutions cater to all speed requirements for all beverage applications and containers. Depending on whether they are traditional or robotic, the solutions contribute to an increase in modularity or speed. Low on maintenance, palletising/depalletising solutions can be customised and adapted to customer factory and logistics constraints.

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A FILLING SOLUTION FOR EVERY NEED

PRODUCING SAFE LIQUID DAIRY PRODUCTS REQUIRES A RELIABLE BOTTLING LINE THAT HANDLES EACH BEVERAGE CORRECTLY
Whatever your distribution method, we have the appropriate packaging equipment to match and protect your beverage.

LIQUID DAIRY PRODUCTS STORED AT AMBIENT TEMPERATURES
The aseptic Combi Predis FMa Capdis is designed to ensure food safety. It is characterised by its hygienic design and flexibility based on Sidel’s unique patented preform and cap decontamination.

- Suitable to fill still products as well as different viscosities, pulp and pieces sizes.
- Sustainable and cost effective: dry preforms and caps decontamination with hydrogen peroxide (H2O2) vapour.
- Full bottle shape and lightweight freedom: the empty bottle does not undergo any thermal stress.
- Magnetic flow meters and pneumatically operated filling valves.
- A completely aseptic filling environment: up to 120 hours of continuous production.
- High equipment availability: only three hours cleaning and sterilisation required between productions.

LIQUID DAIRY PRODUCTS STORED IN REFRIGERATORS
The ultra-clean Combi Predis FMm enables a refrigerated beverage shelf life up to 120 days.

- Preserved sensitive beverage integrity: dry preform decontamination.
- Safe and flexible: ultra clean flow-meter filling technology.
- Optimal safe and hygienic production: self-drainable surfaces as well as a fully automated cleaning in place (CIP) system.
- Adjustable cleaning process according to the shelf-life requirements: adaptable sanitisation temperatures and cleaning detergents flow rates.

The Combi Predis GWm provides ultra-clean filling with dry preform decontamination for yoghurt with fruit pieces while enabling a shelf life up to 60 days.

- Great production variety: Possibility to fill liquid and viscous products with particulates up to 5x5x5 mm.
- Faster and flexible production: changeover without any tools.
- Configurable: Low and high flow speed, less foam.
- Magnetic flow meters and pneumatically operated filling valves.
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WE PROVIDE A LITTLE BIT MORE WITH SIDEL SERVICES™

Our six service areas combine to better meet your needs

With Sidel Services, we put your needs at the centre. We use our range of services and years of experience to give you a little bit more of a lot, adding value to your installed Sidel equipment, your products and your bottom line.

Our six service areas have more than eight decades of beverage industry expertise, including 80 years of filling, 50 years of blowing, 40 years of aseptic packaging and 30 years of PET packaging.

Maintenance
Whether planned or unplanned, we can help you maintain your line efficiency, turning costly downtime into profitable uptime.

- Maintenance agreements
- Technical and field support, including hotline assistance
- Diagnostic visits
- Asset management

Line Improvement
We can help you determine your line’s potential and benefit from the very latest technology, taking your line to the next level.

- Remote data analysis
- Line audits
- Options and upgrades
- Second-hand equipment

Training
We offer courses, seminars and tailored programs on how to safely and efficiently operate, maintain and troubleshoot equipment.

- Training programmes and solutions
- Competence audits

Spare Parts & Logistics
For emergencies, stock replenishment or planned maintenance, we deliver original spare parts wherever you are in a timely manner.

- Original Sidel spare parts
- Intelligent replacement
- Global logistics and delivery

Line Conversions & Moulds
We enable you to package new liquids, shapes and bottle sizes on your existing line with speed, quality and peace of mind.

- Line conversions
- Original Sidel moulds

Packaging
From technical design to industrial production, we help you create bottles that cost less, protect the liquid and result in superior customer satisfaction.

- Packaging and preform design
- Packaging optimisation
- Packaging qualification
- Liquid-package interaction analysis

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Maintaining the natural vitamins for fresh milk, drinking yoghurt, UHT milk and soya milk is very important. These products are more sensitive to light and oxygen, and we can provide the special protection they require in PET to prevent the development of microorganisms and maximise their safety and shelf life.

Carbonated soft drinks (CSD) are non-alcoholic beverages that typically contain carbonated water, sugar (or a substitute) and a flavouring agent. In a market where variety can be a competitive advantage, we enable you to produce multiple PET products on one line with quick changeovers, lighter bottles and strong mechanical performance.

Juices, nectars, soft drinks, isotonics and teas of many flavours and textures are becoming increasingly popular. It’s all about variety. For these products, we can help you differentiate your PET packaging and protect your products’ quality, taste and vitamins – without using preservatives or additives.

As the world’s most widely consumed alcoholic beverage, beer is becoming increasingly popular in PET. Due to its sensitivity to light, oxygen and temperature, careful attention is required to preserve the beer’s refreshing taste. We can help you ensure higher safety and quality while maintaining high packaging productivity.

Whether well water, spring water or distilled water, carbonated or non-carbonated, your water product is perfectly safe in PET. We can help you maintain its pure, natural taste while giving you complete freedom of shape, higher uptime production, reduced energy consumption and increased cost-efficiency.
DISCOVER ALL THE PROVEN POSSIBILITIES FOR LIQUID DAIRY PRODUCTS AT SIDEL.COM/LDP

Sidel is the leading global provider of PET solutions for liquid packaging. We are committed to being the most innovative, responsive and reliable partner, providing sustainable solutions for the beverage industry.

Headquartered in Switzerland, we have production sites in 13 countries and 30,000 machines installed in more than 190 nations worldwide. With over 5,500 employees worldwide, we provide optimal PET packaging solutions for water, soft drinks, milk, sensitive products, edible oils and alcoholic beverages including beer.

We aim to create value for our customers by giving them A Better Match. This is the tailored solution that caters for their needs exactly. We do this by offering flexible and reliable production systems that are easily adaptable to market developments and future technology, supported by value-added services.

We are Sidel.
We are A Better Match.