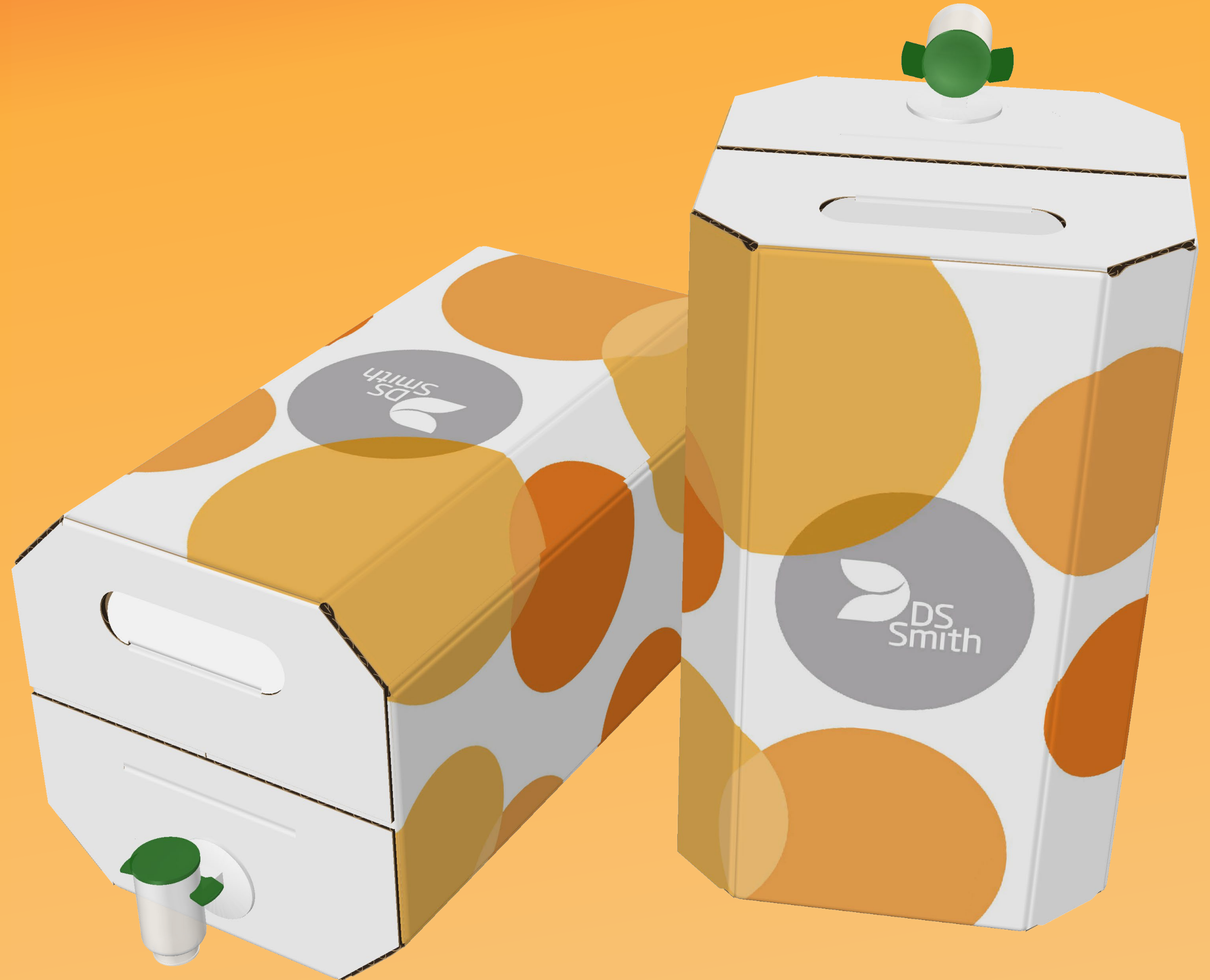




Bag-in-Box

Reliable and efficient filling of your drinks and liquids



The Power of Less®

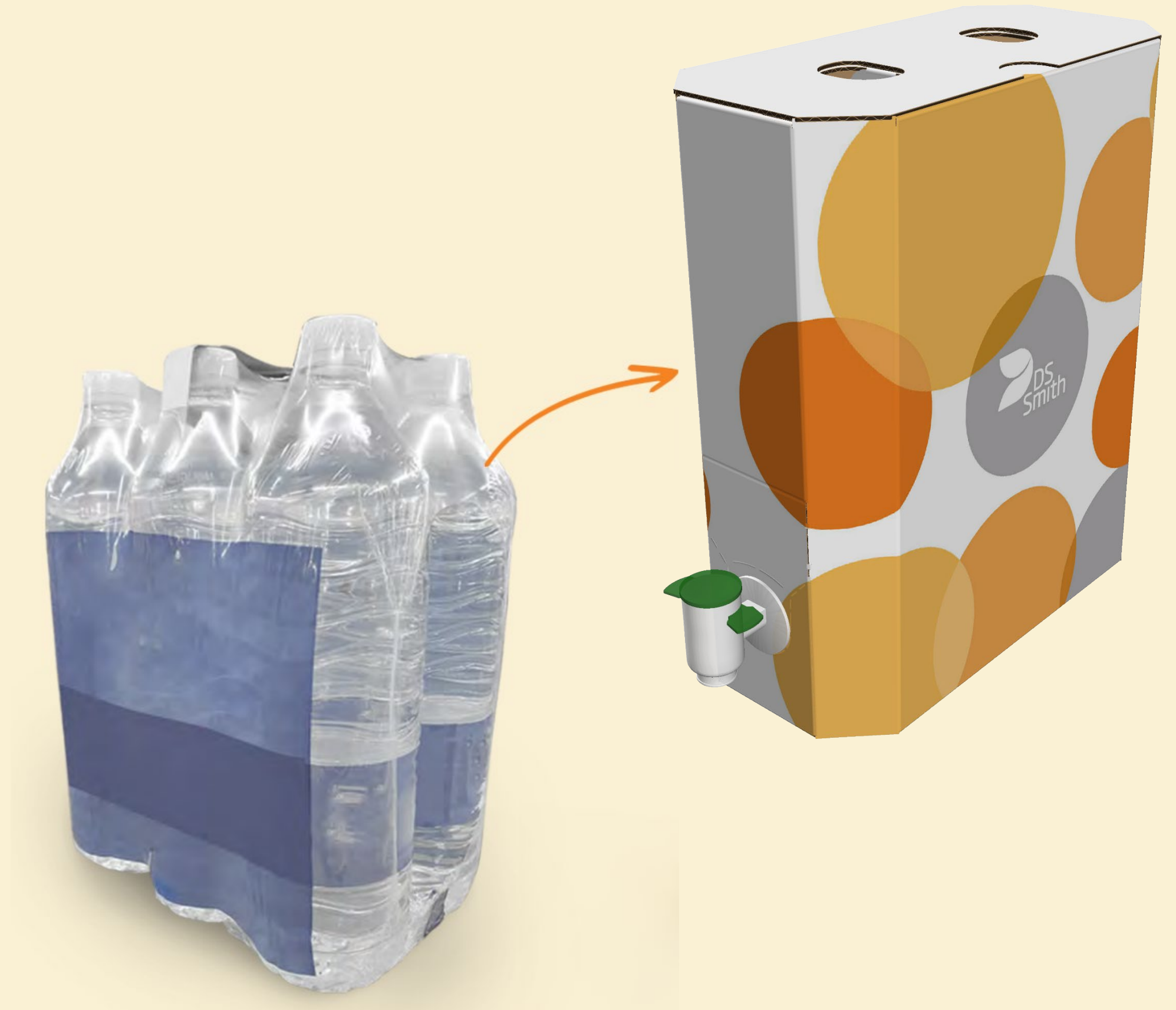
Why do we need an innovative packaging solution liquids?

There are many good reasons, but plastic replacement is a good starting point

Multipacks of water and soft drinks are often packed in shrink wrap to bundle them.

But shrink wrap has been identified by many as a problem plastic, and producers are looking for fibre-based alternatives that can offer the same convenience to consumers - but without compromising their ability to promote their product.

Creating an alternative packaging solution is not an easy process, collations of large bottles require packaging that can withstand the weight and the demands of the supply chain.



How does it work?



Bag:

- Leak proof
- Can be filled with different liquids with different viscosities
- Totally closed → no air can enter (oxidation)
- Less plastic



Tap:

- Self-closing for easy and precise dispensing - without spilling
- Allows quick and safe dispensing
- Available in multiple variations depending on the product viscosities
- Available in mono material
- Protects the liquid inside (no air can enter - oxidation)



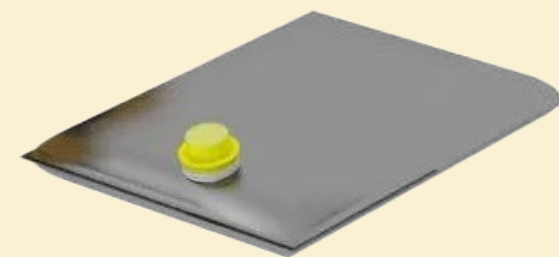
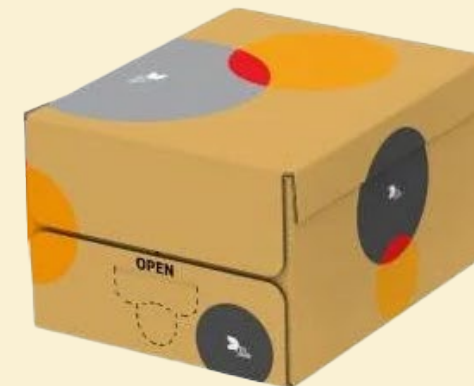
Outer Box:

- Protects the product from external influences such as light → increases shelf life (because liquid is in the dark)
- easy stackable (stability for the bag inside)
- available in different shapes & variations (up to 25 L with 4 corners, 6 corners, 8 corners)
- 360° printable

Discover Bag-in-Box

The Bag-in-Box solution will make you stand out on the shelf and in store. It allows 360° branding and is easy to handle for the consumer.

Our packaging solution necessitates minimal materials to safeguard liquid contents, resulting in plastic and energy conservation while reducing CO2 emissions.



Enhanced
sustainability



Stands out
in store



Tested and
validated



Superior customer
experience



The Bag-in-Box packaging system can play a role in your journey towards a more circular economy. Its **fully recyclable cardboard exterior and recycle-ready inner bag** reduce plastic consumption and conserves energy. The inner bag can be effortlessly separated from the outer box, enabling a **straightforward recycling process** right from the comfort of your home.

Brands aim **to captivate at retail outlets** and points of purchase. Our offering impresses with a naturalistic aesthetic and feel, providing a **360-degree printable exterior**. The outer container facilitates vibrant, attention-grabbing designs, enabling superior branding prospects whether merchandised on shelves or pallets. The bag-in-box format can prolong liquid freshness by shielding contents from elements like light through the cardboard outer layer.

Bag-in-Box packaging **arrives compacted prior to filling**, enabling **space efficiency during** warehousing and shipping. Once filled, the containers are stackable, modular, and maximize spatial usage, accommodating more product per pallet while reducing transportation needs. The decrease in storage footprint equates **to lower storage costs, diminished handling fees, and minimized product movement overall**.

Our offering boasts **effortless operation**. The tap's intuitive design enables simple opening and precise single-handed dispensing. **Complete liquid evacuation** is achievable without lifting the hefty container. Moreover, our space-efficient product **simplifies storage** and suits compact residential or commercial spaces.

Spadel, a case study

From : 6x PET bottles



To : 1x 5L BiB



The story

The octagonal 5L Eco Pack is the latest innovation flowing from Spadel and DS Smith's partnership over the last decade.

As a B-Corp certified company, Spadel consistently seeks new ways to reduce its environmental footprint. DS Smith helped Spadel find and tailor its ideal packaging solution using their PackRight approach. This is a collaborative, four-step development process: starting with gaining insights, then moving on to pack development, testing and implementation.

DS Smith and Spadel cooperated from early design all the way to our machine factory in Dijon, France, and installed a packing line at the Spadel's site that uses advanced technology to produce the Eco Packs,



The packaging solution

Octagonal box made of cardboard and a plastic bag holding 5L liquid

- 65% less plastic used*, extends water's shelf life
- 100% recyclable, using unbleached, uncoated cardboard to minimize fiber
- Where colour is added to the cardboard, only water-based inks are applied.
- Octagonal shape reduces cardboard used and allows stacking 6 levels high without pallets
- Materials designed for easy separation and recycling at home
- Advanced technology packing line installed at Spadel site to produce Eco Packs.



*Average plastic reduction (in g/l) compared to packs SPA® Reine 6x1L and 6x1.5L



Engage in the future of responsible packaging

Click [here](#) to visit our website for more information on DS Smith bag-in-box