CONTENUR

MEET

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There is a clear evolution towards a more universal design.

Javier Casajús Navasal has been part of CONTENUR for over 14 years. He is trained in various branches of Engineering (Industrial Design and Mechanical Engineering) and in entrepreneurship through a PMBA (Professional Master of Business Administration), and has extensive experience in the development of both national and international projects.

His professional background is marked by the development of five Side-Loading models, ten next-generation two-wheel container models, two four-wheel container models, and a complete range of litter bins. The most recent project he has been involved in is the launch of the first crane-lit container manufactured using polyethylene injection moulding: the 360IGLOO.

In 2002, CONTENUR revolutionised the market by launching the first side-loading container made of injected high-density polyethylene. Today, more than 20 years later, it is once again transforming the world of recycling with the marketing of the first crane-lift container made of injected polyethylene. How would you describe the evolution of the recycling and waste management market in recent years?

In recent years, solid urban waste containers have become just another element of street furniture, giving priority to aesthetics and integration in cities.

The citizen has become the focus of attention, placing value on accessibility and user experience. In this aspect, there is a clear evolution towards a more universal design, where the identification of the type of waste and ergonomics have greater relevance in an increasingly diverse society.

Another fundamental aspect is social commitment to the environment and sustainability. This new scenario has generated, on the one hand, new waste streams with different solutions depending on the type of waste and market, and, on the other hand, the manufacture of more sustainable products under Eco-design standards.

> ***The citizen has become a priority.***

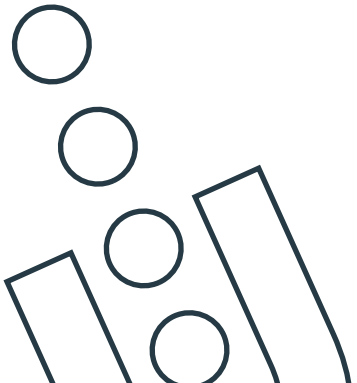
CONTENUR bases its innovation activities on technical solutions and developments aimed at creating products that help clients improve recycling rates and the quality of recyclable materials. What challenges has CONTENUR's R&D department had to face during the development process of this new crane-lift container?

In order to improve recycling rates through collection containers, it is important to place the citizen at centrestage during the design phases.

On one hand, the image that containers project in a city reflects the city's own commitment, influencing the level of responsibility that citizens feel towards recycling tasks. This is why the aesthetics, maintenance, and cleanliness of these containers are of paramount importance.

The way citizens perceive their city in this regard is fundamental to their commitment to recycling efforts.

On the other hand, the user experience in recycling tasks must be optimal, ergonomic, and straightforward. This level of engagement is achieved through solutions that make containers more accessible and better identified. The way citizens interact with the containers and recognise each type of waste is crucial for increasing recycling rates in municipalities.



> ***The way citizens perceive their city is fundamental.***

When it comes to product range, the company has one of the most extensive in the market, covering everything from two- and four-wheel containers to litter bins manufactured using injection moulding. From your point of view, what competitive advantages does polyethylene injection moulding offer compared to other manufacturing methods? Has any innovation been implemented in the injection process to optimise the efficiency of the new product?

Talking about the injection moulding manufacturing system means being at the forefront of technological processes. Injection moulding is the most efficient process from a sustainability standpoint, as it involves lower resource consumption and results in products that are easier to recycle.

From a design perspective, it allows for optimising shapes, reducing components, and designing more precise fittings, as the process is more stable and consistent than other technologies such as rotational moulding.

Regarding the manufacturing process itself, injection moulding allows for optimisation and increased efficiency of material, energy, and production resources, resulting in a higher number of parts produced per hour.

All of this translates into more efficient, higher-quality, and more sustainable products, with improved delivery times for our customers.

The innovation in the new product's injection process has been primarily focused on reducing the number of components required and maximising the use of reclaimed materials in the manufacture of the new models.

CONTENUR produces more than one million containers a year in its factories across Europe and Latin America, being a world leader in large-volume containers. What advantages do you believe the new 360IGLOO has compared to other containers currently available on the market?

The 360IGLOO is the model that has been designed specifically for the city of Madrid. With over 15,000 units in use since last year, it has already become a benchmark for any city and market.

The new 360IGLOO meets the demands of today's society, offering a modern and streamlined design for contemporary cities, with reduced visual impact thanks to its lower height.

> ***The new 360IGLOO meets the demands of today's society.***

> ***We have managed to become a global benchmark.***

A universal design that ensures accessibility for all citizens, and a sustainable, optimised manufacturing process that allows the use of recycled materials throughout the entire product.

The 360IGLOO is introduced to the market as the first injection-moulded crane-lift container, offering all the advantages of serial production of a plastic product—from ease of cleaning, maintenance, and durability, to reduced noise impact during collection compared to other types of containers, such as metal ones.

CONTENUR's activity is firmly linked to environmental sustainability as a manufacturer and supplier of equipment aimed at encouraging and improving recycling in cities. What role has sustainability played in the design and manufacturing of the new 360IGLOO? Is recycled polyethylene used in the injection moulding processes? How does this impact the quality of the product?

When designing a product, one of our main guiding principles is Eco-design.

This approach allows us to evaluate the real life cycle of a product, considering, during the design process, the sustainability requirements that today's society is demanding.

In this case, and in conjunction with the CIRCLE® project, it has enabled us to introduce recycled material—sourced from containers already in use in the city of Madrid—into the manufacturing of the new 360IGLOO models.

The entire 360IGLOO project was designed to maximise the value chain by optimising the use of recycled materials in the injection process of all new components, while ensuring the same quality and performance as those made with virgin materials.

And finally, CONTENUR has been manufacturing and marketing containers made from injection-moulded high-density polyethylene for over 35 years. How does the company manage to maintain its leadership in such a specialised market?

For over 35 years, CONTENUR has specialised in the manufacturing, marketing, and maintenance of large-capacity containers produced through injection moulding.

CONTENUR has developed four generations of Side-loading containers, with a total of seven models. In addition, over the past year, a new injection-moulded crane-lift container has been introduced for vertical collection. This has enabled us to become a global reference in this type of solution, with cities such as Madrid and New York choosing our models.

Maintaining market leadership requires consistently delivering the best products and services.

Through our commercial network, we are able to gain a deep understanding of the needs of each market, with customer focus being the key to creating impactful, reliable, and long-lasting solutions.

> ***One of the main pillars is Eco-design.***

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