

# BEE

ACTIU



# BEE

Inspired by nature



**bee**actiu  
*Vicent Berbegal*



**“BEE” is a piece that takes its inspiration from nature, mainly from bees. Not only because of their morphology, but due to their ability to create spaces for their habitat. It is a piece that includes innovation, materials science, and process sustainability in an iconic silhouette.”**

“BEE” es una pieza que proviene de la inspiración en la naturaleza, principalmente de las abejas. No solo por su morfología sino por su capacidad de creación de espacios para su hábitat. Incluye innovación, ciencia de los materiales y sostenibilidad en procesos en una icónica silueta.”

“BEE » est une pièce qui s’inspire de la nature, principalement des abeilles. Non seulement pour sa morphologie, mais également pour sa capacité à créer des espaces pour son habitat. Elle intègre l’innovation, la science des matériaux et la durabilité des processus dans une silhouette emblématique.”

“BEE” ist ein Design, das von der Natur inspiriert wurde, vor allem von Bienen. Nicht nur wegen seiner Morphologie, sondern auch wegen seiner Fähigkeit, Räume für seinen Lebensraum zu schaffen. Es umfasst Innovation, Materialwissenschaften und nachhaltige Prozesse in einer unverwechselbaren Silhouette.”

**Vicent Berbegal**

**B E E**

/ C O

N / C





BEE strives to combine shapes and volumes to convey a fineness that is as iconic as it is impressive. Something similar to the flight of a bee which, according to the laws of aerodynamics, should not be possible due to how small its wings are in relation to its body... and yet, these incredible insects can fly.

BEE busca conjugar formas y volúmenes para transmitir una delicadeza tan icónica como sorprendente. Algo similar al vuelo de una abeja, que según las leyes de la aerodinámica no debería ser posible debido a las pequeñas dimensiones de sus alas en relación al cuerpo... y aún así, estos maravillosos insectos, consiguen volar.

BEE cherche à combiner les formes et les volumes pour transmettre une délicatesse aussi iconique que surprenante. Quelque chose de similaire au vol d'une abeille, qui selon les lois de l'aérodynamique ne devrait pas être possible en raison des petites dimensions de ses ailes par rapport à son corps... et pourtant, ces merveilleux insectes parviennent à voler

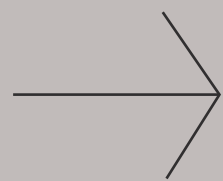
BEE kombiniert Formen und Volumen, um eine ebenso ikonische wie überraschende Zartheit zu vermitteln. Etwas, das dem Flug einer Biene ähnelt, der nach den Gesetzen der Aerodynamik aufgrund der geringen Größe ihrer Flügel im Verhältnis zu ihrem Körper nicht möglich sein sollte... und doch sind diese wunderbaren Insekten in der Lage zu fliegen.



**B E E**

U N I

Q U E





BEE offers an extra-compact exclusive design, with no sharp edges or seams, making it pleasant to touch.

BEE ofrece un diseño único con una compactación extra y un resultado al tacto sin aristas ni uniones.

BEE offre un design unique, très compact, et un résultat tactile sans bords ni joints.

BEE verfügt über ein einzigartiges Design mit besonders kompakter Bauweise und einem angenehmen Tastgefühl ohne Kanten und Fugen.





**B E E**  
V E R  
S A T  
I L E





The versatile nature of BEE means it can adapt to give any space its own unique character. From hospitality to residential or corporate spaces, BEE can be used as an individual chair in hotel rooms, as a guest chair in offices or as a chair in meeting rooms or auditoriums.

El carácter versátil de BEE le permite adaptarse a cualquier espacio para aportarle singularidad. Desde espacios hospitality, hasta residencial o corporate, BEE es capaz de funcionar como silla individual en habitaciones de hotel, como confidente en despachos o a nivel colectivo en salas de reunión o auditorios.

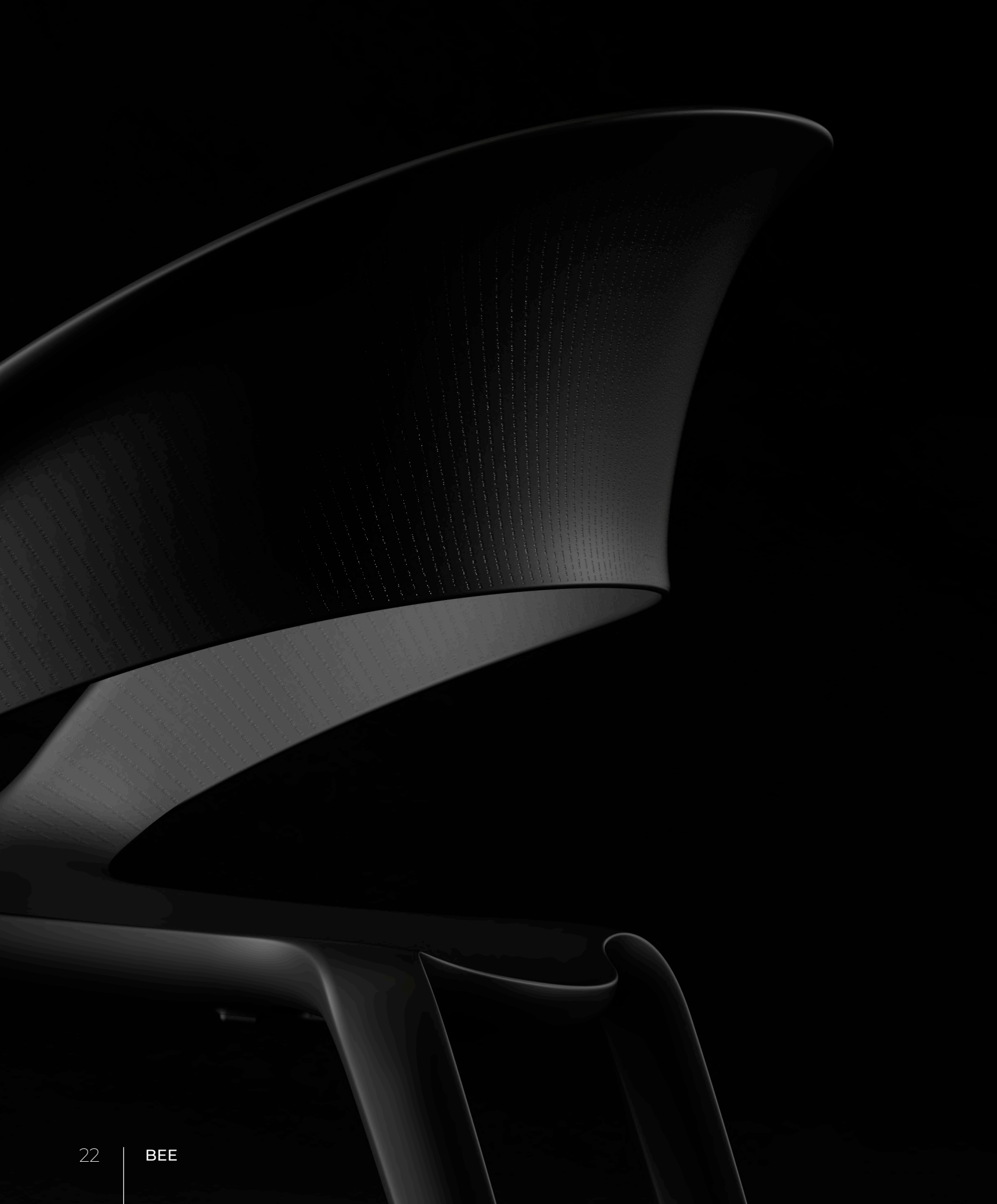
La nature polyvalente de BEE lui permet de s'adapter à tout type d'espace pour lui donner un caractère unique. Des espaces hospitality aux espaces résidentiels ou corporate, BEE peut remplir la fonction de chaise individuelle dans les chambres d'hôtel, de confident dans les bureaux ou de chaise de collectivité dans les salles de réunion ou les auditoriums.

Dank seiner Vielseitigkeit passt sich BEE an jeden Raum an und verleiht ihm einen einzigartigen Charakter. Ob im Gastgewerbe, im Wohnbereich oder in Unternehmen, BEE kann als individueller Stuhl in Hotelzimmern, als Vertrauter in Büros oder als Stuhl für Gruppen in Konferenzräumen oder Auditorien dienen.









## TECHNICAL FEATURES

Información técnica

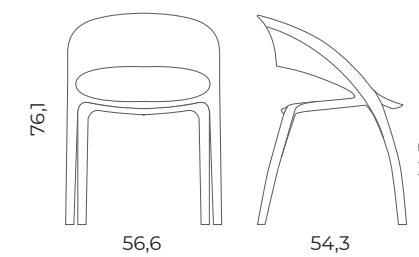
Made of polypropylene with 30% fibreglass and gas-assisted injection; a process that makes each piece significantly lighter and which, in turn, makes them easier to transport as they can be stacked up to five at a time.

Fabricada en Polipropileno con un 30% de Fibra de Vidrio e inyección de gas. Un proceso que permite reducir el peso de cada pieza considerablemente, para facilitar su transporte y permitir un apilado de hasta cinco sillas.

Fabriqué en polypropylène avec 30% de Fibre de Verre et injection de gaz. Un procédé qui réduit considérablement le poids de chaque pièce, pour faciliter le transport et permettre d'empiler jusqu'à cinq chaises.

Hergestellt aus Polypropylen mit 30 % Glasfaser und Gasinjektion. Ein Verfahren, das das Gewicht der einzelnen Elemente erheblich reduziert, um den Transport zu erleichtern und das Stapeln von bis zu fünf Stühlen zu ermöglichen.

### Dimensions / Medidas



### Stacking / Apilamiento



### Colours / Colores



# Bee

— by Vicent Berbegal —



**BEE**

Designed by **Vicent Berbegal**, Bee is inspired by the beauty of nature. Bee combines quality and design in a high-end product. It is the result of a refined work process that includes innovation, technology, materials science and process sustainability.

Made of Polypropylene with 30% Fibreglass, with delicate lines but with a high level of robustness, this resilient piece of engineering has a versatile character capable of adapting to any space as a singular element.



**ACTIU**

[www.actiu.com](http://www.actiu.com)

*Design goes beyond aesthetics: innovation, space and furniture go hand in hand to create environments that are friendlier, more comfortable and more motivating for people: environments that are more dynamic, fresh, creative, ergonomic and functional.*

*A business philosophy in which design forms part of our DNA, as we apply it to every facet of the company: products, architecture, projects, brand, communication, work spaces...*



Model	Bee - 4 legs
Structure	<b>Polypropylene (P.P) frame with 30% fibre glass.</b> Wide range of colours. Technology with gas assisted injection, which generates volumes and sections for a plus in design. - Antistatic treatment to facilitate cleaning. - Stacking caps included.
Seat	Seat, moulded Polypropylene (P.P).
Arms	Model without arms
Structure/Base	4 legs
Supports	Standard: felt silent pad-anti scratch included in each chair (It is advisable not to use with carpet and / or exterior.)
Stacking	The Bee chair is designed for the seats to be stacked on top of one another, with the ability to stack up to 5 chairs in the standard way.
Dimensions	Total seat height: 445 mm Total height: 761 mm Total width: 566 mm Total depth: 543 mm

It is a product composed of: fiber glass to provide greater robustness to the product, antioxidants to prevent the natural decomposition and chalking of the material, and stabilizers to increase its useful life. Due to this, the Bee chair can present small bursts of color on the surface, which are not simply perceived, and which are below the tolerance threshold established by the European standard.

## Stacking

The Bee chair has the ability to stack up to 5 chairs for 4 leg model in the standard way.

### Vertical Stacking for models with and without arms



5 units

#### stacking details

Seat <b>WITHOUT PAD</b>	
Vertical stacking capacity	
Quantity of chairs	
4 legs model	5

## Polypropylene



Polypropylene (P.P) frame with 30% fibre glass. UV resistant for outdoor use and antistatic treatment to facilitate cleaning.

\*Black finish has a special adherent tint for outdoor use. It is got with priming coat and lacquering processes that guarantee the highest visual quality and surface resistance.



## Weight and Volume // Ecodesign

BEE								
Model	Packs	Weight	Volume	Materials Recycled materials	Production Aluminium, steel and wood	Transport Package and thinner free	Use To clean and maintain	Elimination Recyclabilité
	4 units	16,48 kg	0,350 m <sup>3</sup>	High	100%	100%	Easy	High

**Materials:** Maximum use of materials to eliminate and minimize scraps. Use of recyclable and recycled materials in those components that do not affect the functionality and durability.

**Production:** Maximum optimization of energy use. Minimal environmental impact. Last generation technological systems. Zero discharge of wastewater. No VOC coatings. Processes free of heavy metals, phosphates, OC and COD.

**Transport:** Detachable systems. Volumes that facilitate the optimization of space. Maximum reduction of energy consumption by transport.

**Use:** Quality and warranty. Long lasting. Replacements available.

**Disposal:** Waste reduction. Supplier-manufacturer packaging reuse system. Components are easy to be separated. Inks in packaging are water-based, without solvents.

## STANDARDS

Bee has passed tests done in our technical department as well as the tests done in AIDIMA the Technological Institute for furniture. The tests correspond to:

Normativa	Descripción
<b>UNE-EN 581-1:2017</b>	Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 1: General safety requirements.
<b>UNE-EN 581-2:2016/AC:2016</b>	Outdoor furniture. Seating and tables for camping, domestic and contract use. Part 2: Mechanical safety requirements and test methods for seating.
<b>UNE-EN 16139:2013vc2015</b>	Furniture. Strength, durability and safety. Requirements for non-domestic seating.

## Certificates

The different programmes get points in different environmental categories to get the LEED certificate or WELL certificate (sustainability, material and resources, water, energy and atmosphere, inner environment quality, innovation and design).





## ACTIU TECHNOLOGY PARK

### DESIGN & ARCHITECTURE

Space management and design  
Products. Own patents  
Communication

### SUSTAINABILITY

Sustainable production  
Product. Eco-design  
Services, efficient logistics system  
Actiu Technology Park, certified LEED®  
Platinum

### MANUFACTURER

We are manufacturers  
Domain raw materials and processes  
Technology and Innovation  
Standardized and specific solutions

### GLOBAL COVERAGE

Presence in more than 90 countries  
Global equipment solutions. Corporate, Health,  
Education, Contract, Transport.

### CERTIFICATES AND REFERENCES

ACTIU products fulfill all demands about management, quality and sustainability to provide extra value to the projects using recycled materials to get the recyclable final product.



Actiu, the first industrial company  
in the world to obtain the  
**WELL v2 and LEED Platinum Certification**



### ACTIU: 50 YEARS DESIGNING PUBLIC SPACES AND WORKSPACES.

Actiu is an industrial company working within the installation sector and specialising in the manufacture of furniture. Actiu's flexibility and productive capacity enable the company to carry out comprehensive equipment projects worldwide, providing solutions that favour the wellbeing of people.

### ACTIU, 50 AÑOS DISEÑANDO ESPACIOS PÚBLICOS Y DE TRABAJO.

Actiu es una empresa con una trayectoria industrial en el sector de la instalación, especializada en la creación de mobiliario, cuya flexibilidad y capacidad productiva permite desarrollar proyectos de equipamiento global a nivel internacional aportando soluciones que ofrezcan el bienestar de las personas.

### ACTIU, 50 ANS DE CONCEPTION D'ESPACES PUBLICS ET DE TRAVAIL.

Actiu est une entreprise dotée d'un parcours à caractère industriel dans le secteur de l'installation, qui se spécialise dans la création de mobilier, et dont la flexibilité et la capacité de production permettent de développer des projets d'équipement global à un niveau international, tout en apportant des solutions qui puissent offrir du bien-être aux personnes.

### ACTIU, 50 JAHRE DESIGN UND PRODUKTION VON MÖBELN FÜR ÖFFENTLICHE EINRICHTUNGEN UND ARBEITSRÄUME.

Unsere ständige Forschung, Weiterentwicklung, Flexibilität und Erfahrung ermöglichen es uns, Projekte im privaten und öffentlichen Bereich der verschiedensten Sektoren auf nationaler und internationaler Ebene durchzuführen. Stillstand ist uns fremd. Uns treibt das Bedürfnis an, näher an den Menschen zu sein und Lösungsmöglichkeiten zu entwickeln, die den Endnutzern Wohlgefühl bieten.

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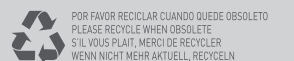
We dream to go beyond our own immediate reality. We design to mature our desires. We walk because only our initiative changes the world and breaks new ground. We move ourselves by being ourselves without the fear of underperforming against our own expectations and goals.

### D. Vicente Berbegal Pérez

President and Founder of the Actiu Group.



ACTIU, National Design Award 2017  
ACTIU, Premio Nacional de Diseño 2017





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