

**bigD**  
Design  
that matters  
**Industrial Design**

**INGETEAM.**  
EV charger

Industrial Design and  
Development of the Rapid  
ST-60 ultra-fast charger

Ver caso >

**ASTI.**  
AMRs

Redesign of the AMR range  
and engineering/  
manufacturing of the  
enclosures.

Ver caso >

**COMANSA.**  
Crane cabin

Industrial Design and  
Development of Crane Cab  
in a Human Centred Design  
process.

Ver caso >

**INGETEAM.**  
EV charger

Industrial Design and  
Development of the Rapid  
ST 180-400 KW ultra-fast  
charger.

Ver caso >

**INGETEAM.**  
Inverter

Industrial Design and  
Development of the hybrid  
inverter (solar+batteries).

Ver caso >

**BELLOTA.**  
Pruning shears

Industrial design and  
development of electric  
pruning shears

Ver caso >

**ABB.**  
3D sensor

Industrial design and  
manufacturing of 3D sensor  
for quality inspection.

Ver caso >

**MELER.**  
Manual Applicator

Industrial Design and  
Development up to injection  
of manual Hot Melt  
applicator.

Ver caso >

**COMANSA.**  
Crane cabin

Industrial Design and  
Development of Crane Cab  
in a Human Centred Design  
process.

Ver caso >

**INGETEAM.**  
EV charger

Industrial Design and  
Development of the Rapid  
ST 180-400 KW  
charger

**INGETEAM.**  
EV charger

This is bigD

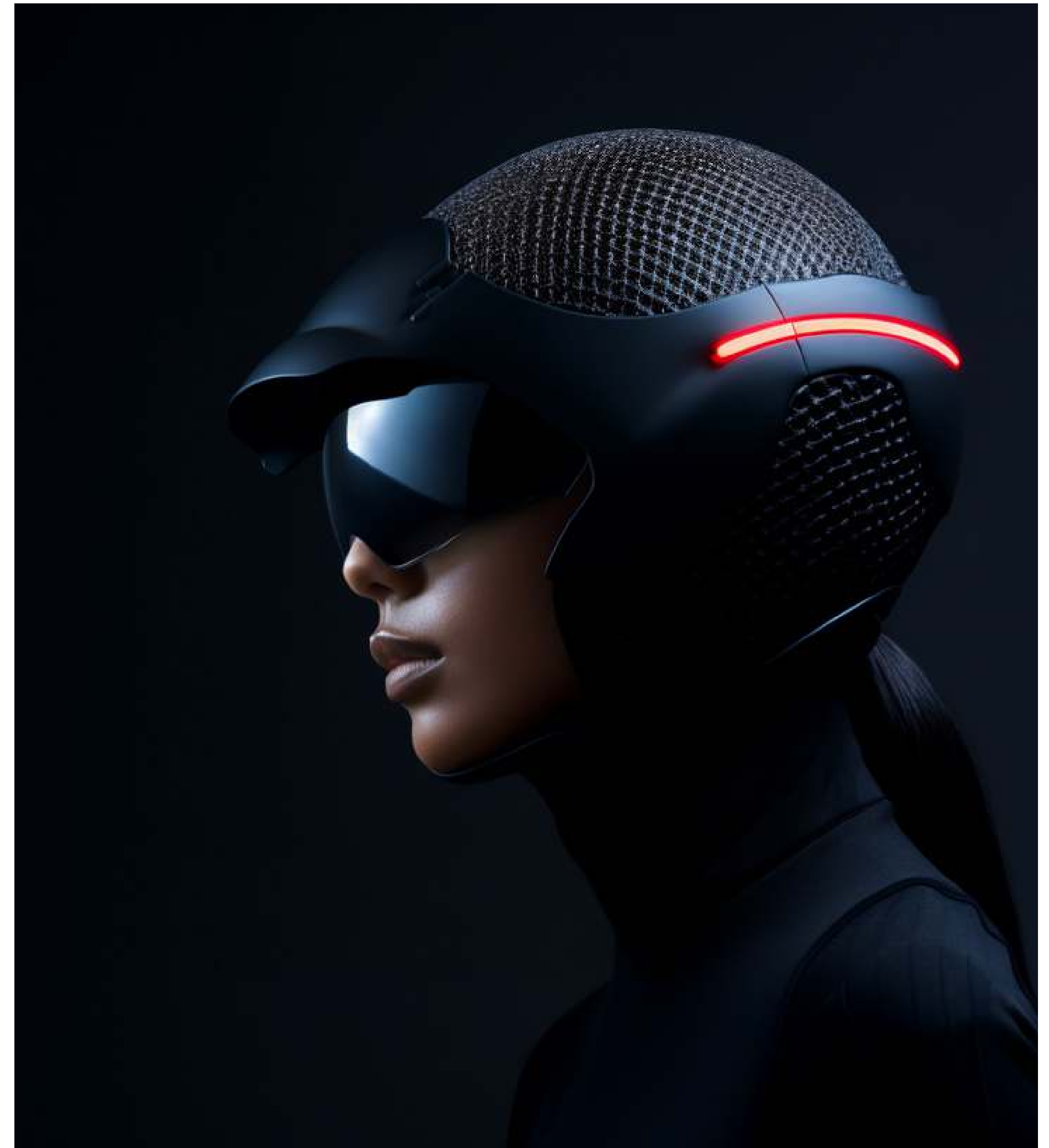
# 10 Years

Accompanying our clients innovating on physical and digital products through

**Design + Engineering**

**+ Advanced Manufacturing.**

At bigD, we redefine design innovation by seamlessly blending visionary concepts with precision engineering and advanced manufacturing. We craft solutions that push boundaries, backed by an award-winning legacy and a commitment to client success. As the driving force behind transformative designs that lead markets, welcome to bigD, where innovation takes center stage.



Only one company can be the cheapest,  
all the rest need **Design**.

This is bigD

## 2 business units

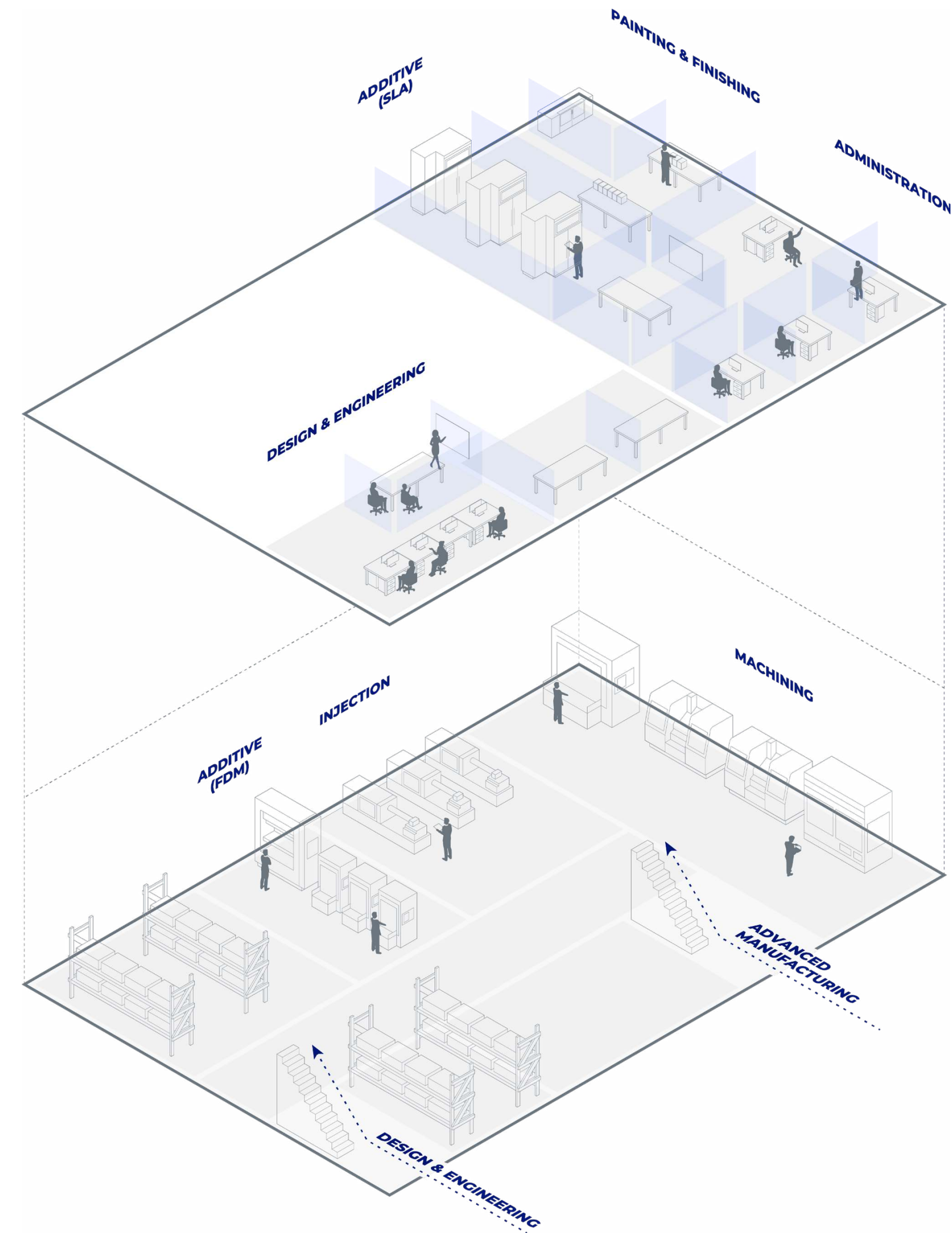
that makes an unbeatable service for our clients, merging +25 years experience on manufacturing by Wehl&Partner with +10 years of design talent in bigD.

### Design for Industry

We specialize in both **Industrial Design** and **Digital Design**, creating innovative, user-centered physical and digital products. Our focus is on delivering excellent design, usability, and functionality.

### Advanced Manufacturing

Through our partnership with Wehl & Partner, we provide Advanced Manufacturing services. This encompasses the utilization of various **subtractive** and **additive manufacturing** technologies for producing prototypes and series production parts.



This is bigD

# Internationally located

## Head Quarters

Pol. Ind. Morea Sur Ampliación Calle  
D, 31191 Beriáin, Navarra, España

## Commercial Delegation

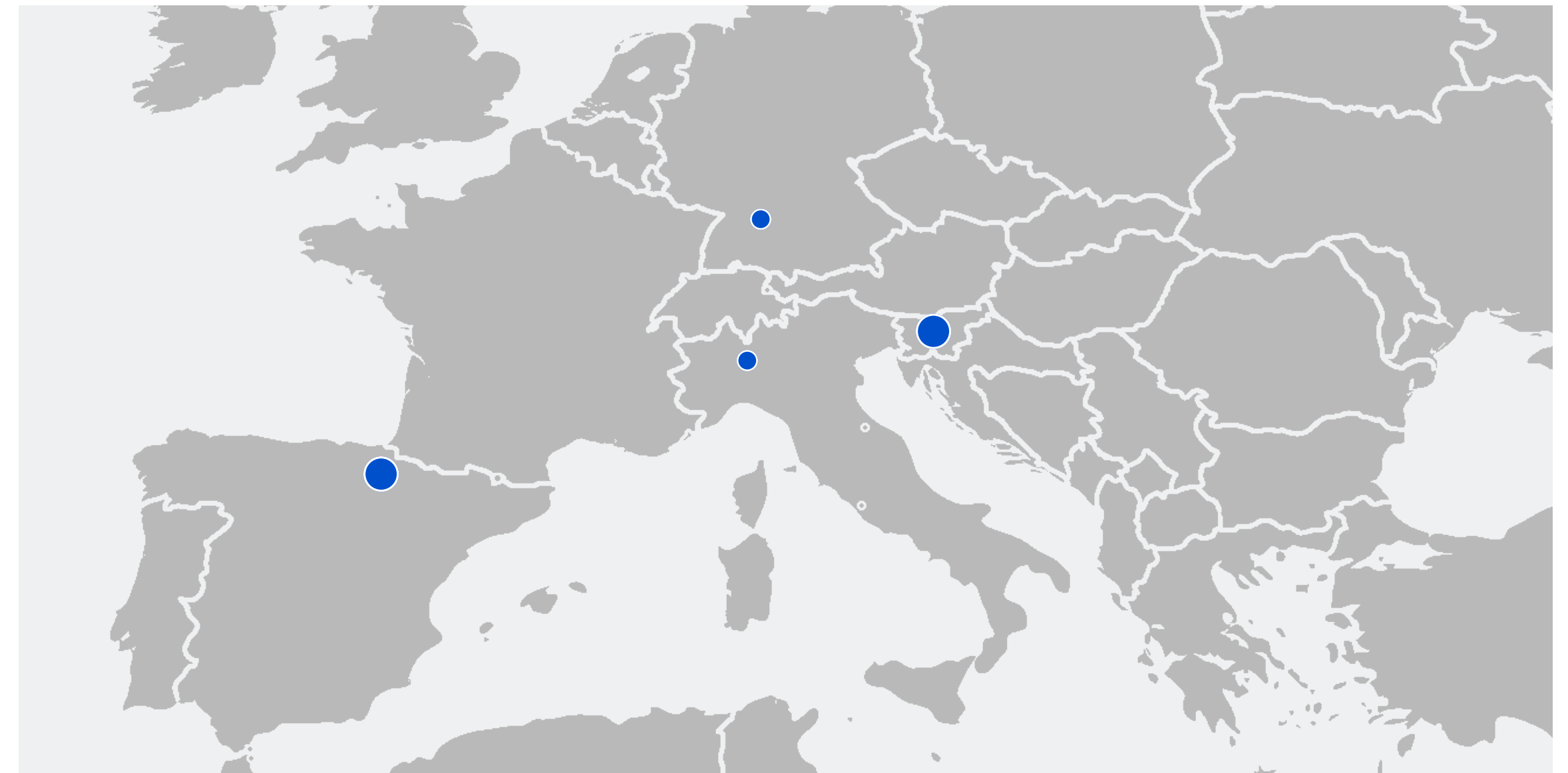
Trg komandanta Staneta 8, 1000  
Liubliana, Eslovenia

## Partner Office

Via Giovanni Bellezza, 7, 20136  
Milano MI, Italia

## Wehl & Partner german manufacturing plants

Rottweil, Deutschland / Salach,  
Deutschland



This is bigD

# Industry specialized

We design technical and technological products tailored to demanding industrial b2b markets.

At bigD, our expertise lies in crafting products tailored for industrial applications. We take pride in creating designs that not only meet but surpass stringent industry standards, including IP ratings, UL regulations, and demanding environmental conditions. Our commitment to ensuring durability, cost-effectiveness, and strict adherence to standards guarantees that your products are reliable, compliant, and prepared to excel in challenging environments.



This is bigD

# Working for leading clients

We collaborate with leading clients as their design partners

ABB

BELLOTA

Ingeteam

Sunsundegui

COMANSA

CEGASA

3M

VeriDas

tematic

meler

Be Planet factory

and many more



This is bigD

# +15 International Awards

That support the quality of our work and provide confidence to our clients, while also elevating their products to the top international design level.



**FROM SPAIN  
WITH DESIGN**





This is bigD

# ISO 9001 & 14006 Ecodesign

Help us ensure proper project management of complex projects meeting quality standards.

ISO 9001 and ISO 14006 play pivotal roles at bigD in streamlining our industrial design activities. ISO 9001 enables us to uphold quality management systems, ensuring consistent and exceptional design processes

Certifications:



This is bigD

# +30 great professionals

We count with young talented professionals and senior engineers to face the most demanding projects.

From qualified technicians expert in manufacturing and materials that control our machinery, to engineers at our technical office that excel in both design and engineering. Our supporting team of sales and post sales are always willing to help our clients.



This is bigD

Industrial Design

Digital Design

Advanced Manufacturing

Contact

# Our Services

## Industrial Design >



Design and engineering of innovative products that stand out from the competition.

## Digital Design >

UX/UI Design



Interface design with user experience at the center.

## Advanced Manufacturing >

Powered by Whel&Partner



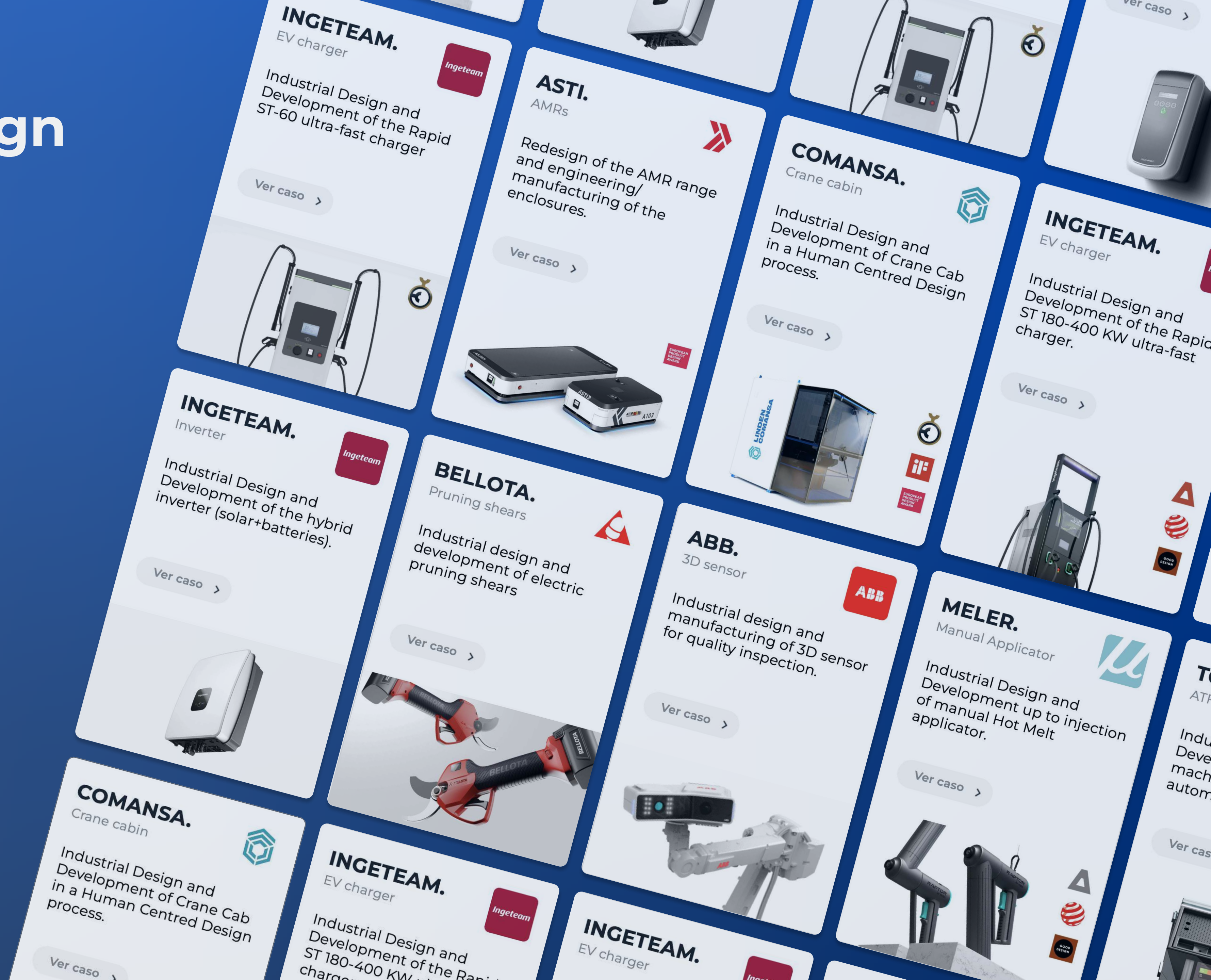
Manufacture of parts and assemblies from prototype to series 0.

Our Services

# Industrial Design

We are specialists in the design of technical and highly technological products, oriented to b2b and industrial sectors to improve:

1. Innovation and Functionality
2. Sustainability and Efficiency
3. Competitive Differentiation

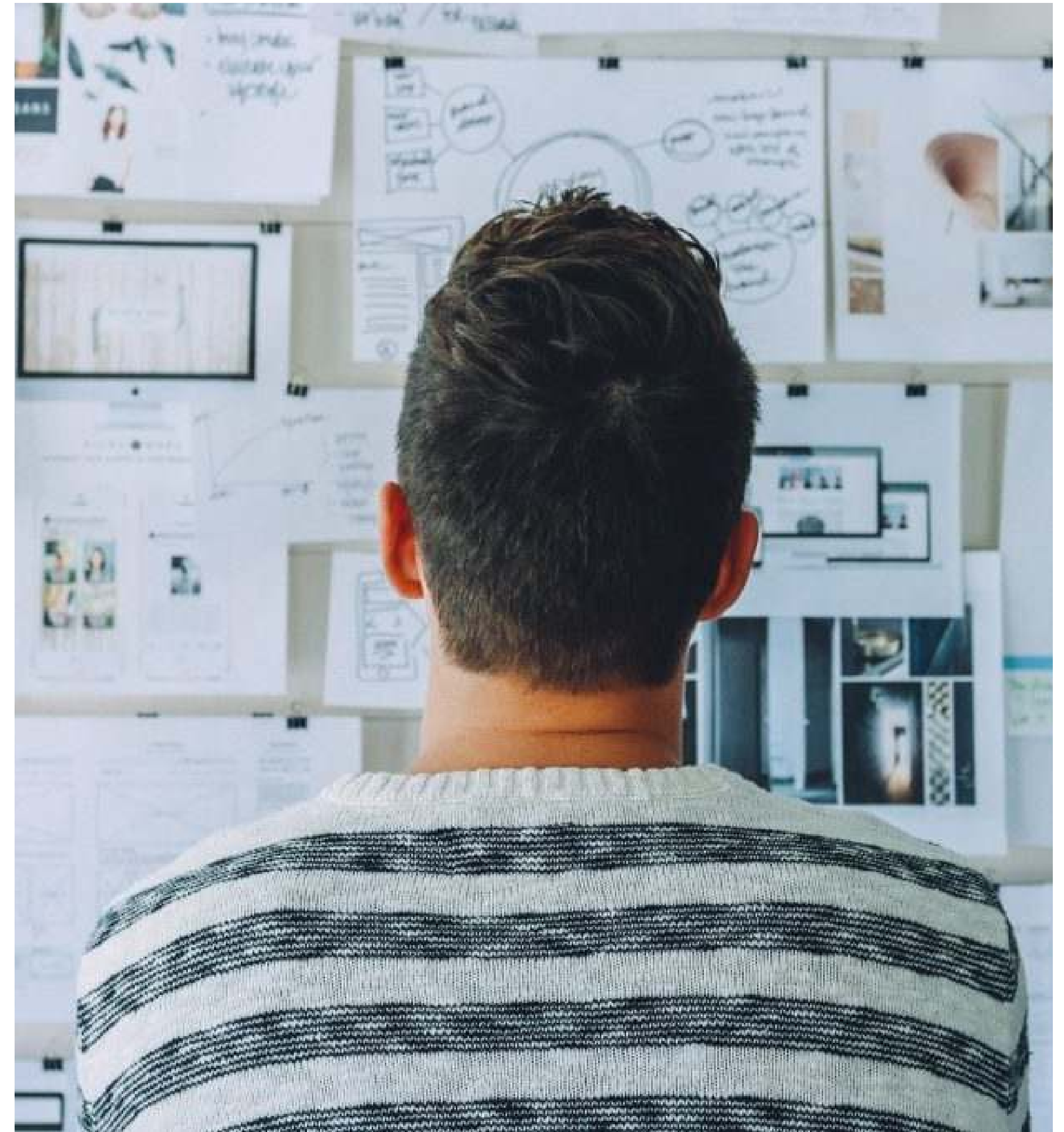


Our Services

# Industrial Design

## Phase 1: Research

Industrial design research involves a comprehensive exploration of market needs, user behaviors, and technological trends. It delves into consumer demands, competitor analysis, and user-centric insights to inform product development.

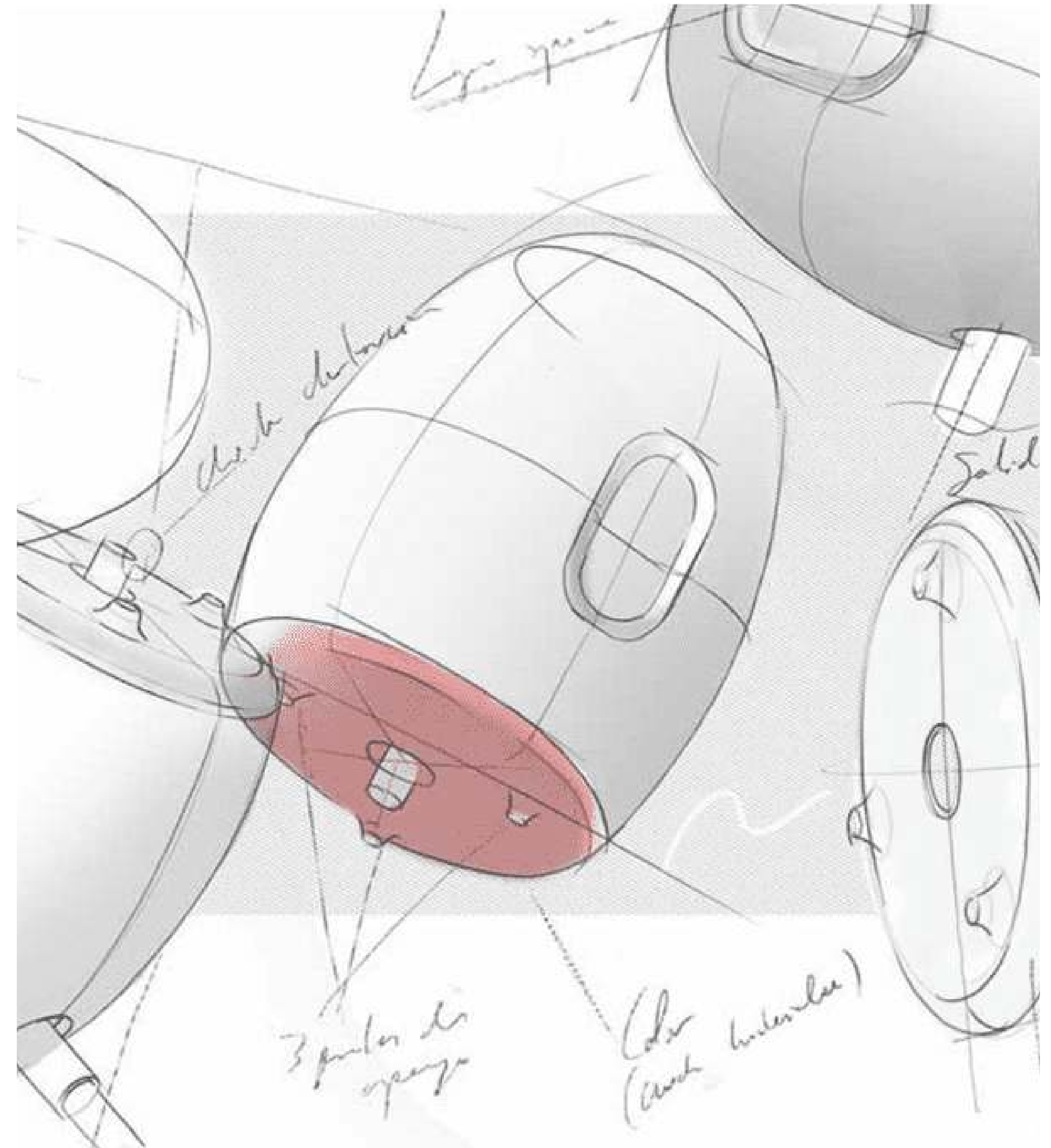


Our Services

# Industrial Design

## Phase 2 : Concept Sketch

Designing a concept which is innovative, capable of meeting technical requirements and business objectives, is the result of a subtle and complex balance. At bigD we have been able to surprise the markets with differential proposals for years.



Our Services

# Industrial Design

## Phase 2: Concept Rendering

bigD integrates rendering software like KeyShot strategically in the concept phase, generating hyper-realistic renderings that vividly illustrate design visions. This approach enables clients to visualize products authentically, facilitating informed decision-making and fostering a deeper understanding of the final outcomes before production.

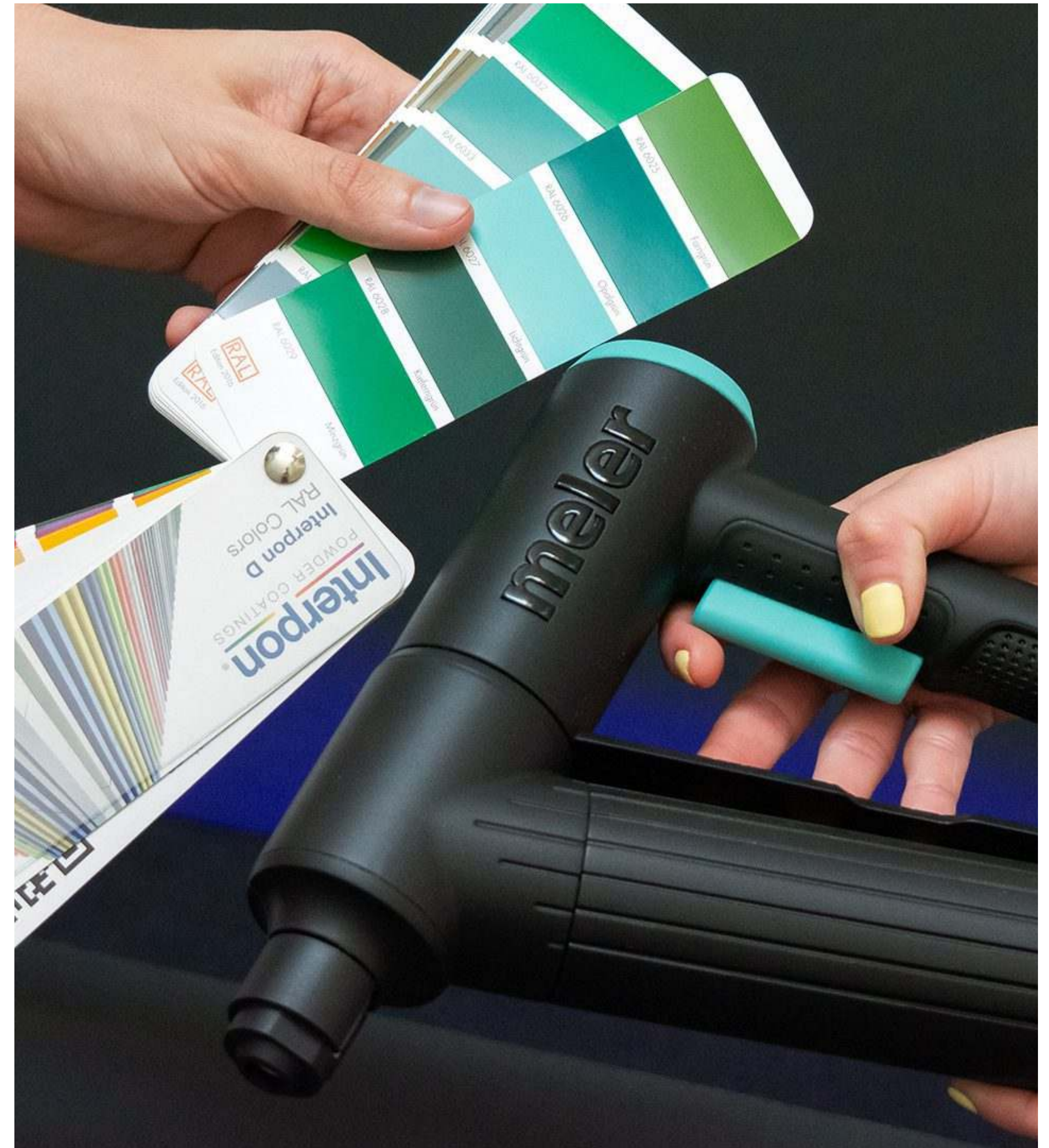
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# Industrial Design

## Phase 2: Design follows VBL

VBL (Visual Brand Language) shapes a brand's identity through consistent design elements like colors, materials, and shapes. In industrial design, it ensures products reflect the brand's values, fostering instant recognition and a strong emotional connection with consumers. It unifies designs, enhancing brand loyalty and making the brand stand out in the market.





# Industrial Design

## Phase 2: Concept Prototype

Prototyping products in real scale is crucial in industrial design to validate functionality, ergonomics, and aesthetics. It helps detect design flaws, assess user interaction, and ensure that the final product meets expectations before mass production. This process saves time and costs by addressing potential issues early, leading to refined and successful end products.



Our Services

# Industrial Design

## Curated Case Studies

Project:

Autonomous Mobile Robots

Client:

Asti Mobile Robotis - ABB



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Industrial Design

Digital Design

Advanced Manufacturing

Contact

Our Services

# Industrial Design

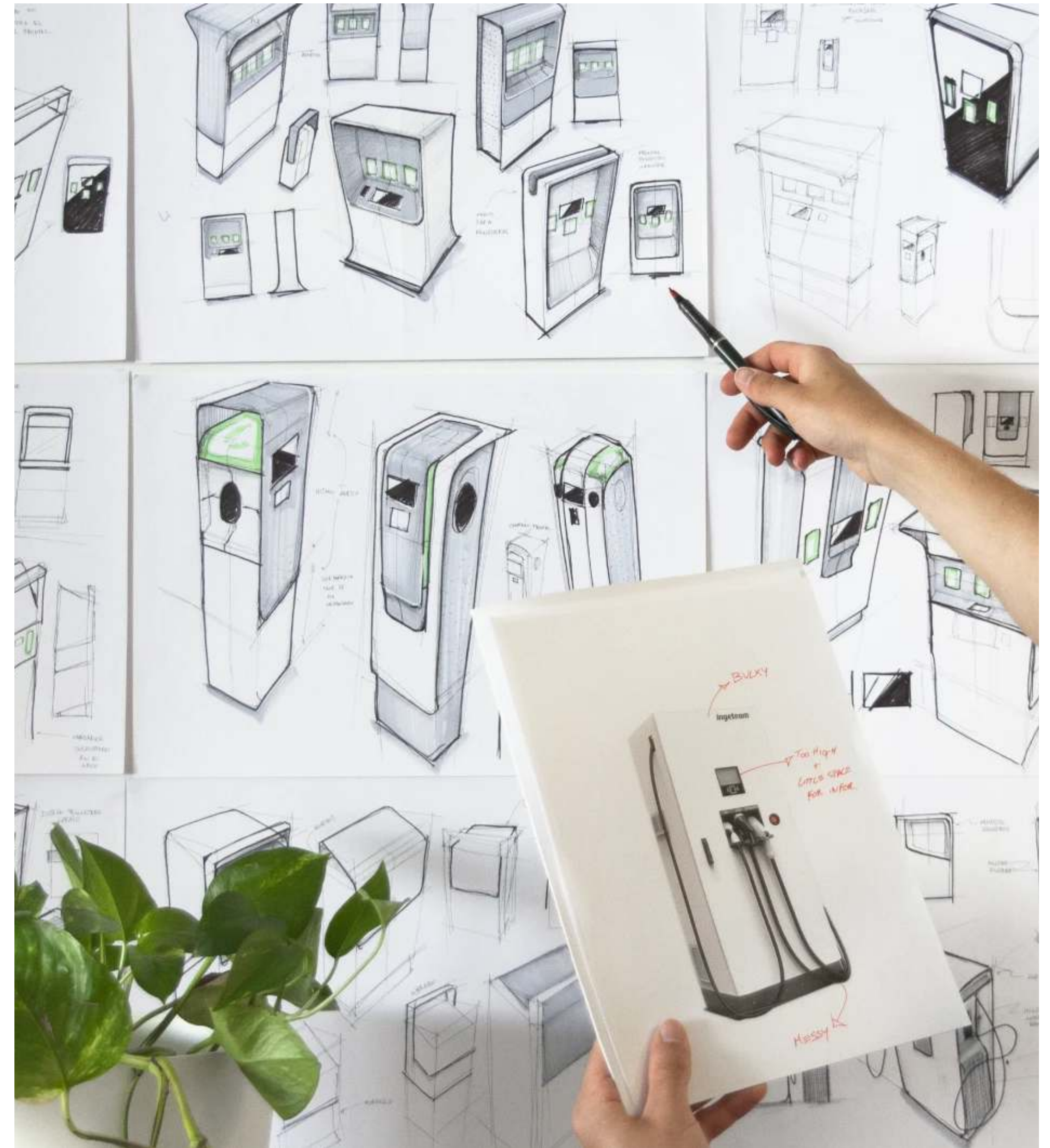
## Curated Case Studies

Project:

DC EV Charger

Client:

Ingeteam



Our Services

# Industrial Design

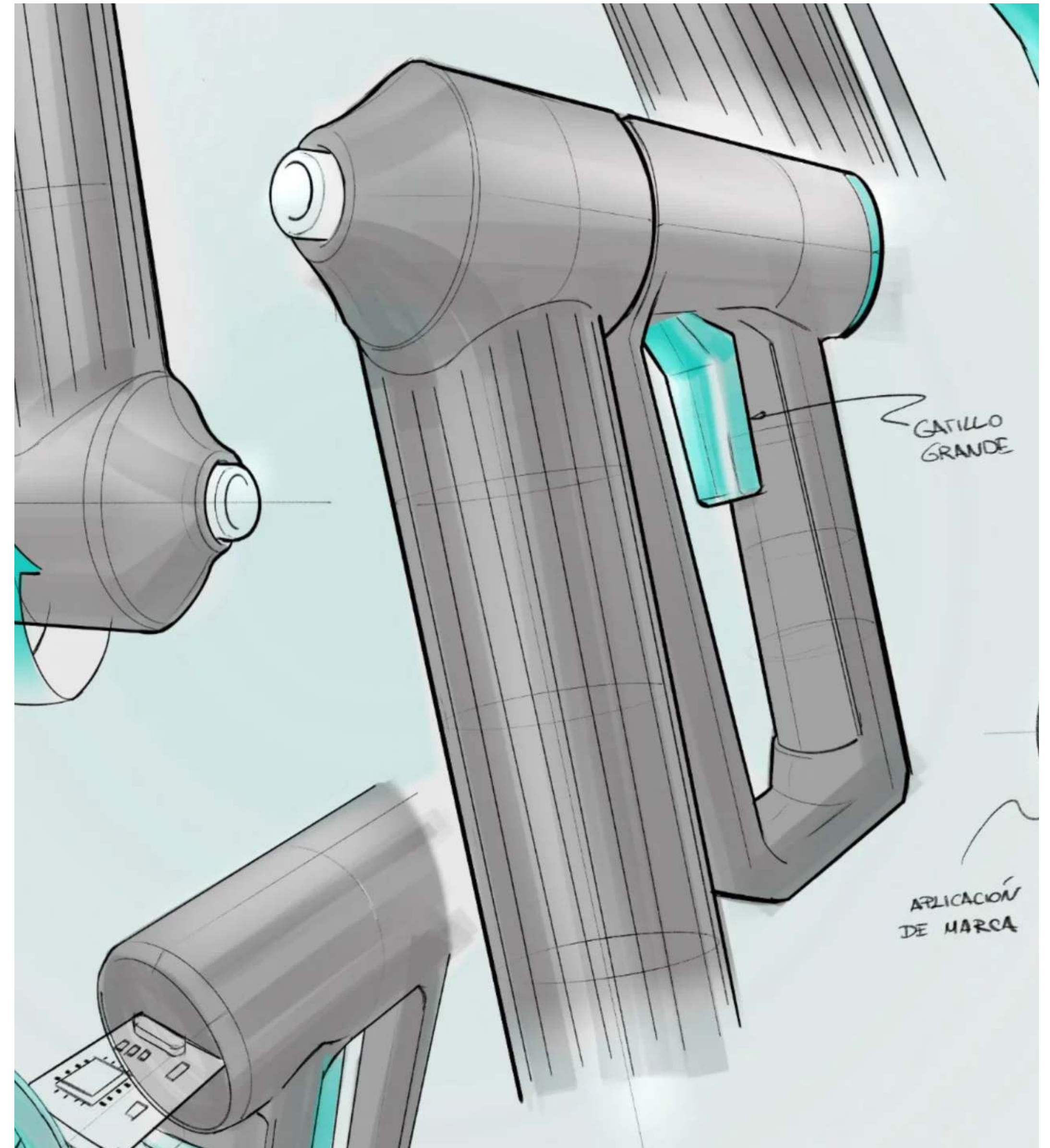
## Curated Case Studies

Project:

Hot Melt Applicator

Client:

Focke Meler Gluing Solutions



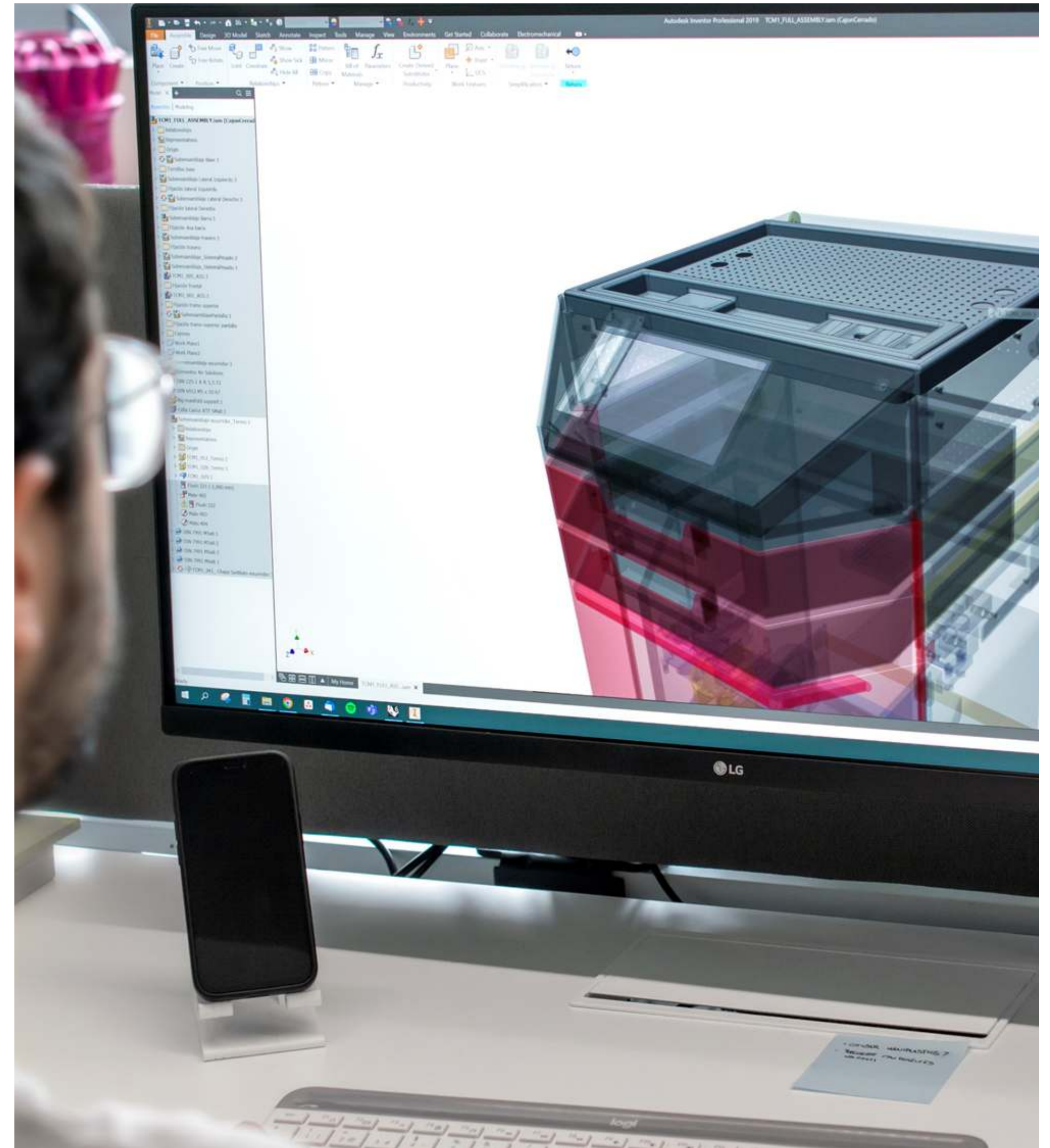
# Industrial Design

## Phase 3: CAD Development

Parametric design fundamentally transforms product development by introducing a systematic approach. It allows designers to establish relationships between various elements of a design, enabling quick adjustments when parameters change.

This method not only enhances efficiency but also ensures accuracy and consistency throughout the design process.

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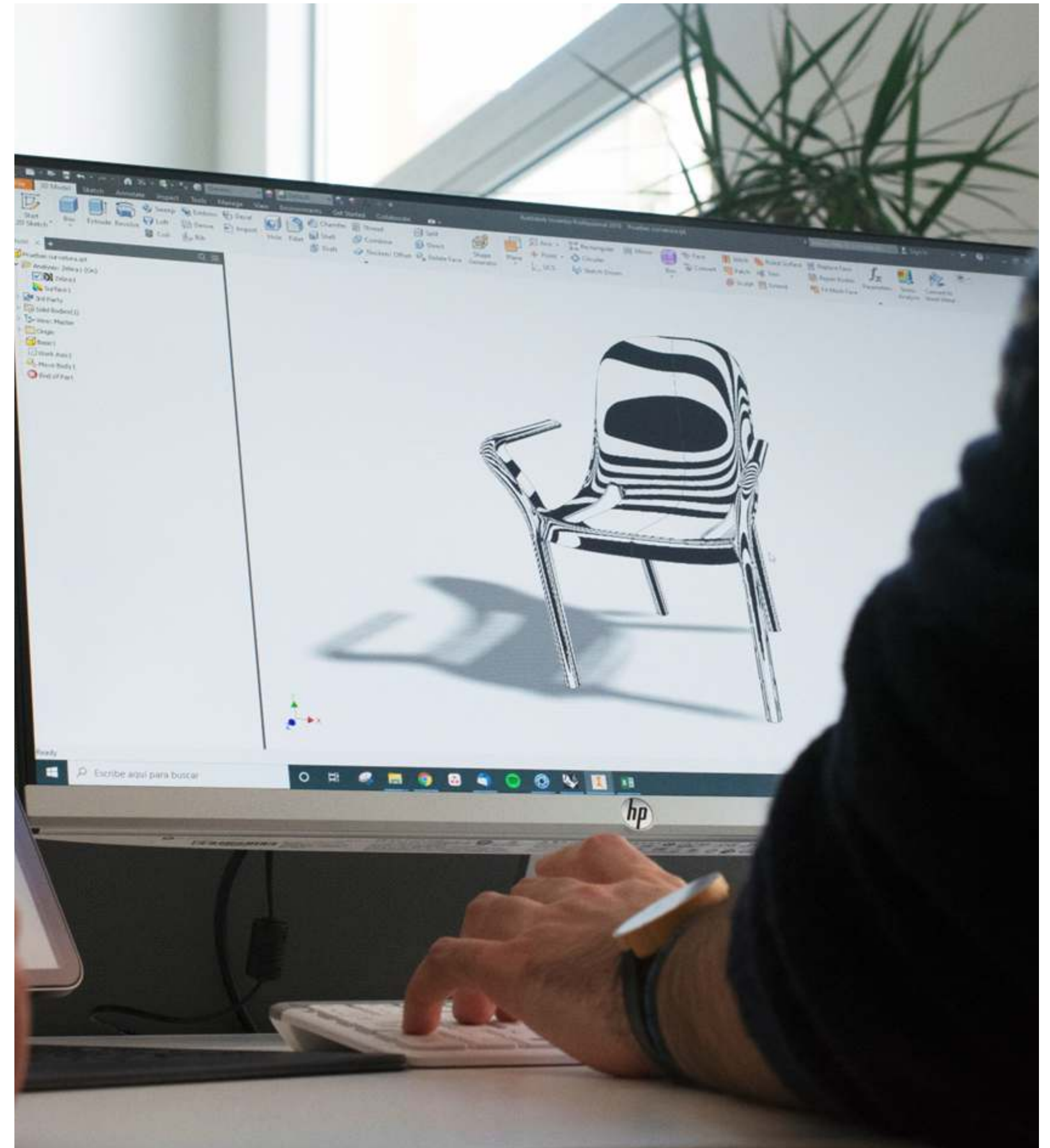


Our Services

# Industrial Design

## Phase 3: CAD Development

Surface transitions in CAD modeling are critical for seamless and functional designs. G0, G1, G2 continuity: Represents positional, tangential, and curvature alignments respectively, crucial for fluid transitions and preventing disruptions in the design's visual flow. G3 curvature continuity includes the concept of 'Acceleration' of curvature.

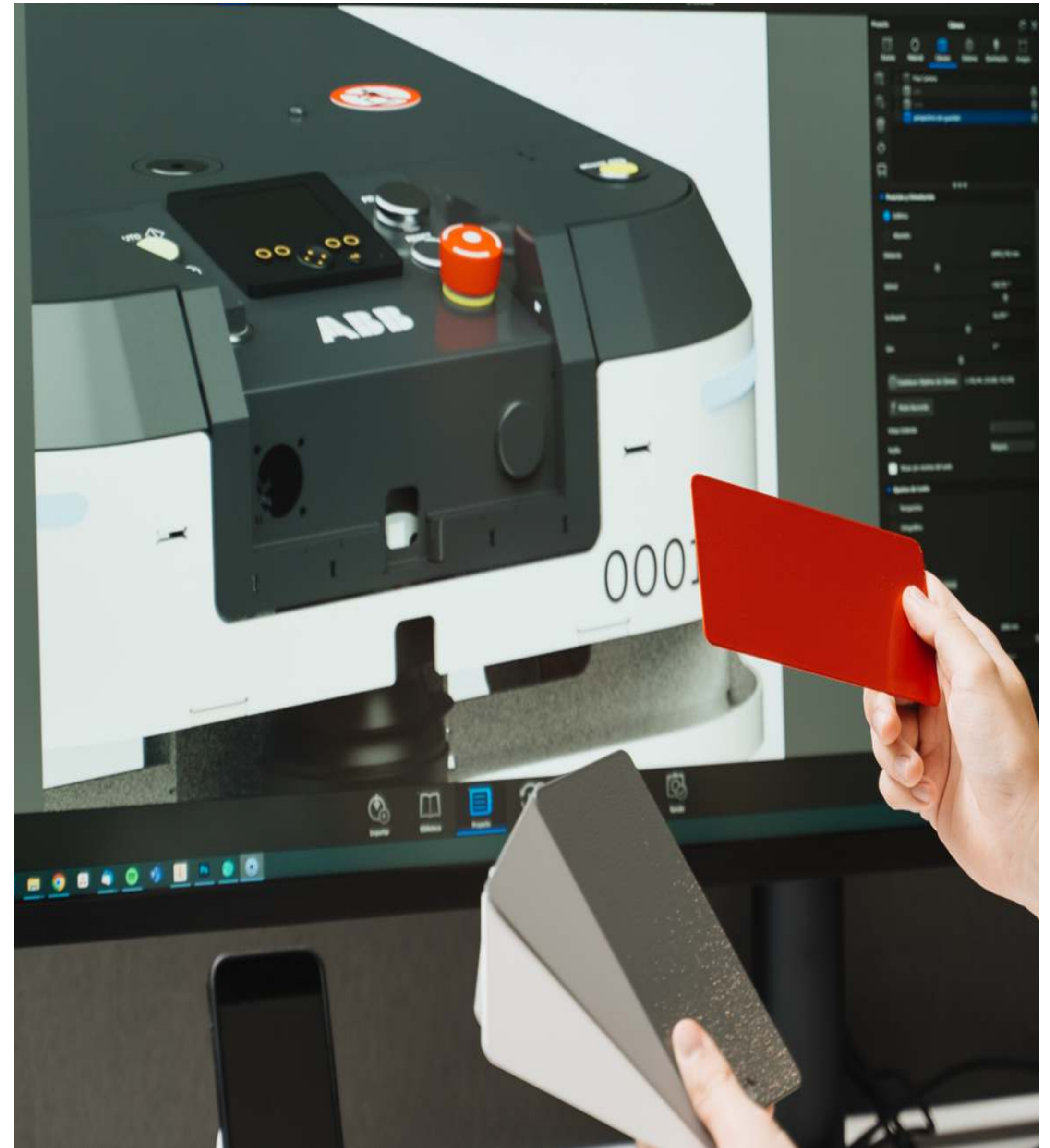


# Industrial Design

## Phase 3: CMF definition

CMF (Colors, Materials, and Finishes) in industrial design refers to the selection and application of specific color schemes, materials, and surface treatments in product development. It's a strategic process that considers the visual, tactile, and functional aspects of a product, aiming to enhance its appeal, usability, and overall aesthetics.

CMF decisions influence how a product looks, feels, and interacts with users, impacting its market positioning and user experience.



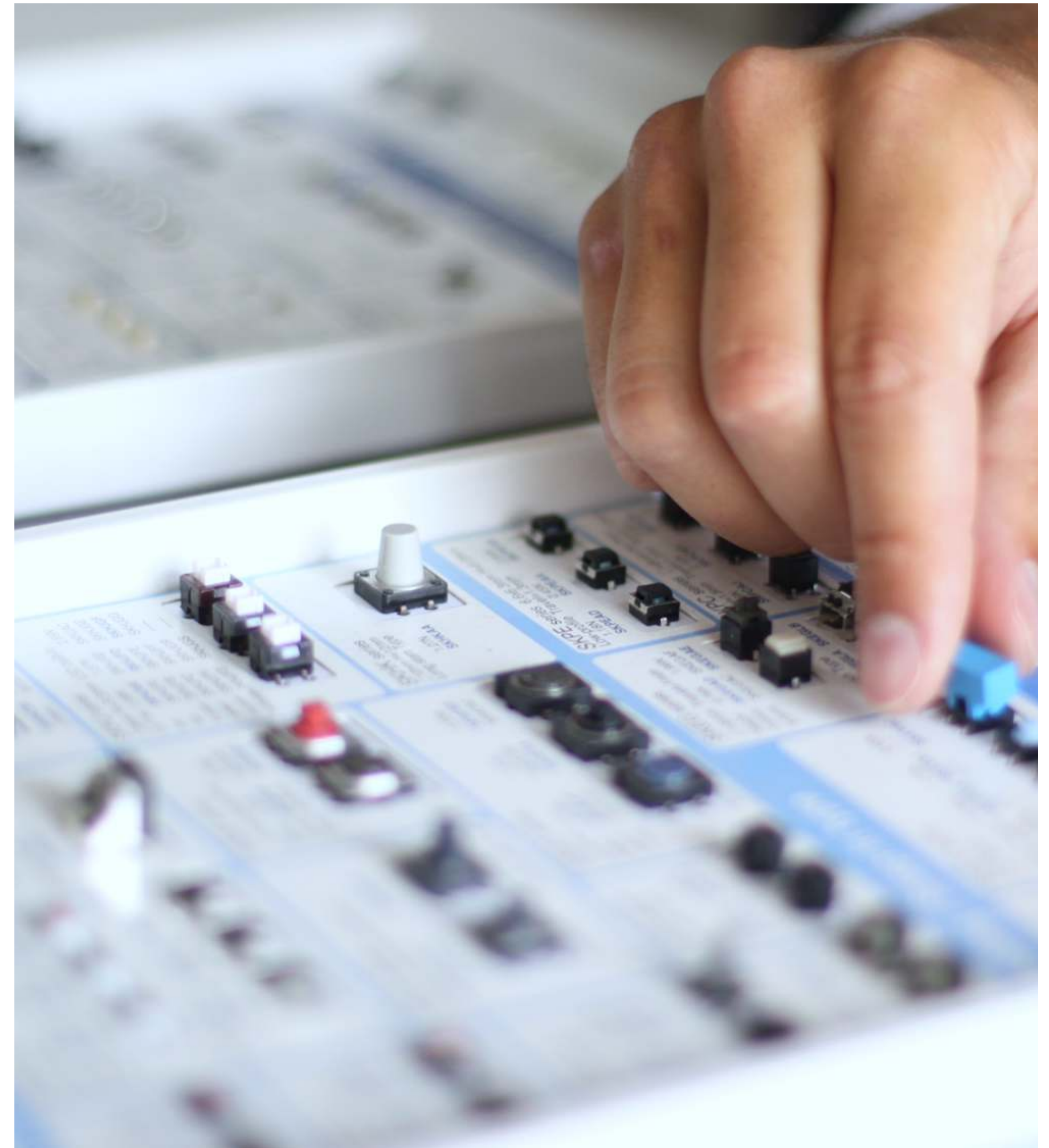
Our Services

# Industrial Design

## Phase 3: Commercial Components

Exploring possibilities of commercial components in the industry.

bigD collaborates with top-tier suppliers renowned for their exceptional quality, ensuring a robust industrial design process. These partnerships guarantee access to premium materials and resources, bolstering the company's capacity to deliver excellence in design innovation.

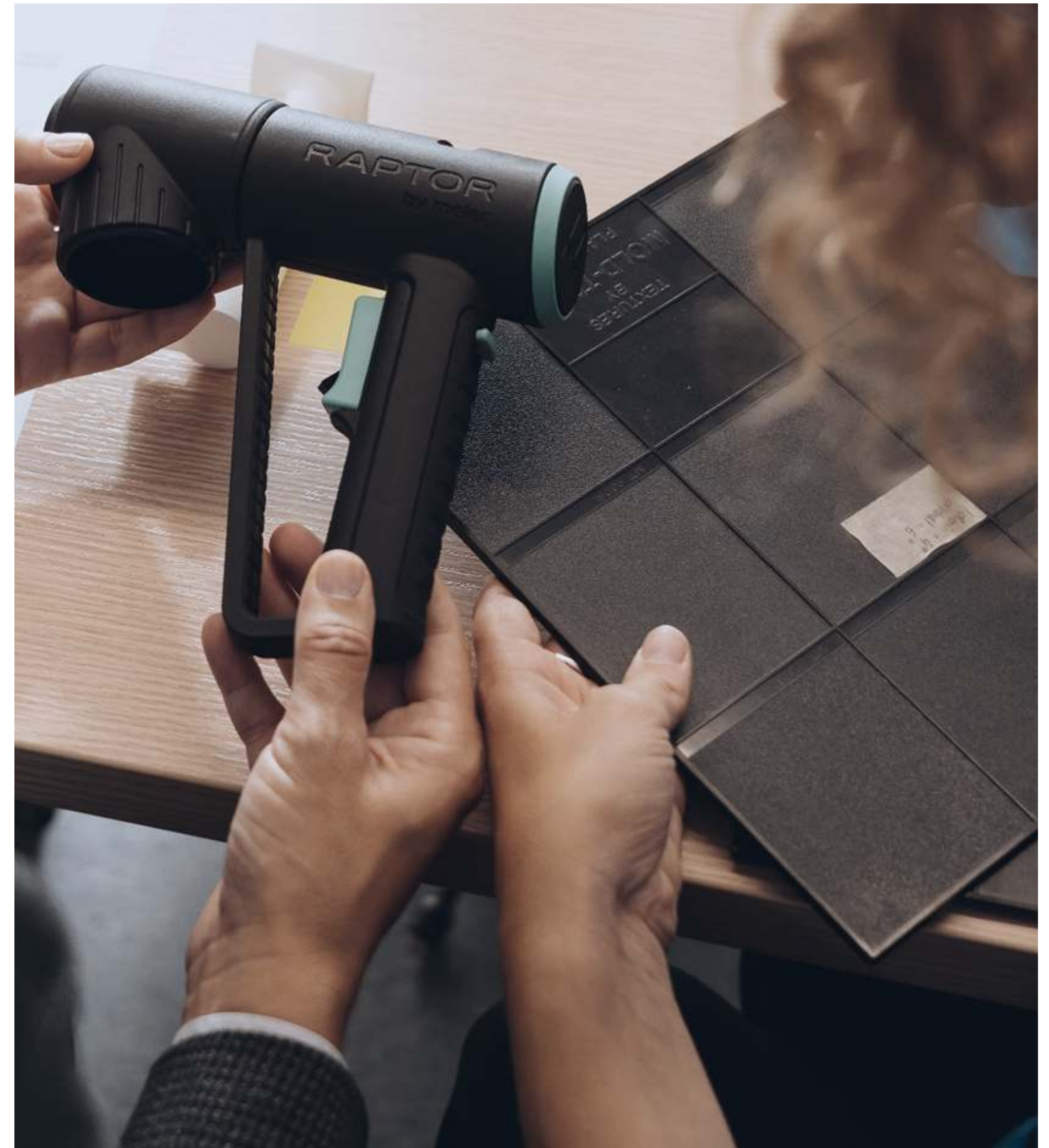




# Industrial Design

## Phase 3: Design definition

In industrial design, meticulous attention to details is crucial as it influences the product's aesthetics, functionality, and user experience. Surface texture in injected plastic parts, like achieving a smooth or textured finish, significantly impacts grip, appearance, and manufacturing feasibility, defining the tactile and visual feel of the end product. In injection molding, several surface texturing standards exist, including VDI, SPI, and MT.



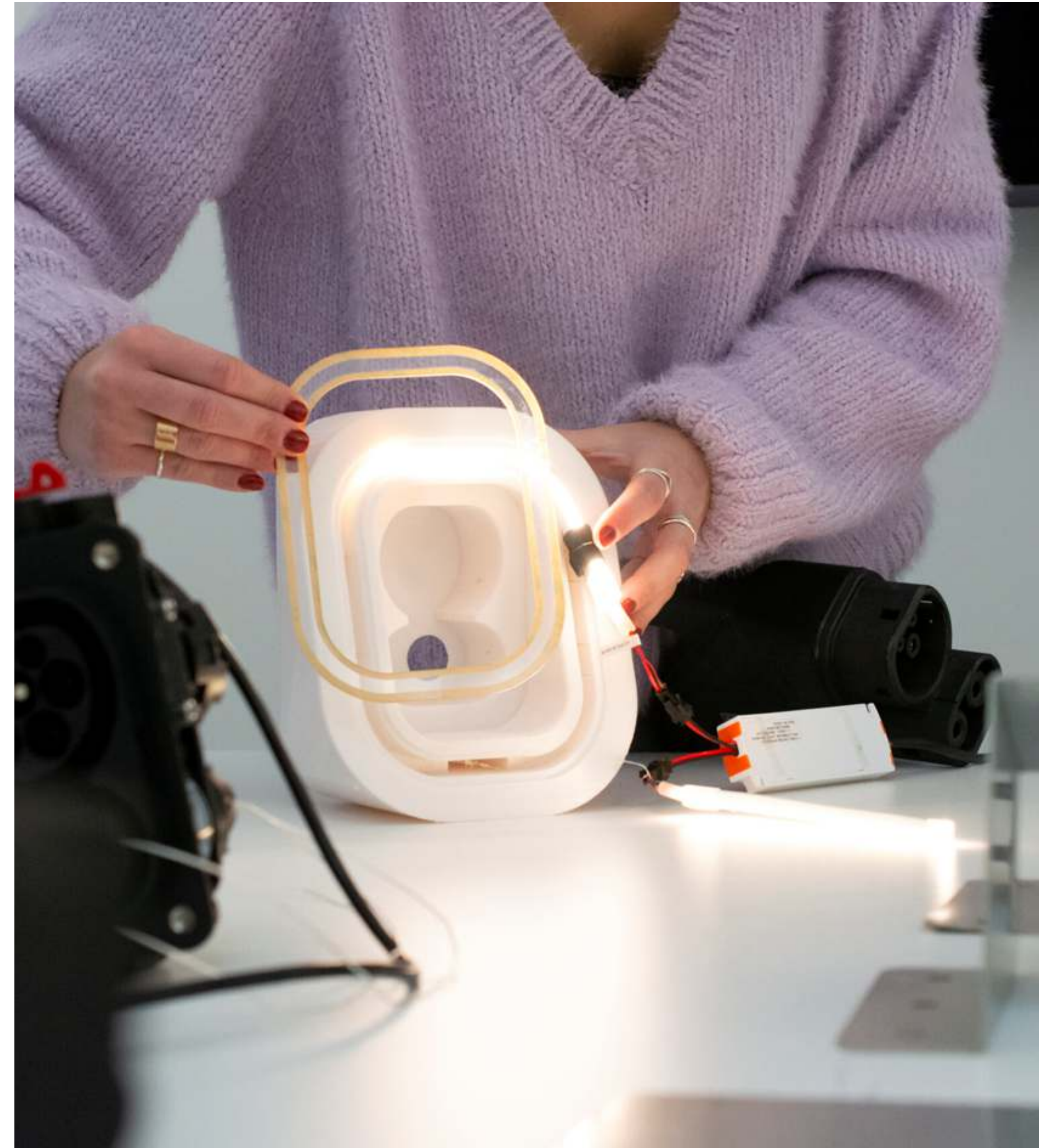
Our Services

# Industrial Design

## Phase 3: Prototyping

Prototyping is pivotal in industrial design as it brings concepts to life, validating functionality, aesthetics, and feasibility before mass production. It enables refinement, uncovering design flaws early on, saving time and costs.

Additionally, prototypes aid in gathering user feedback, ensuring the final product meets expectations and market demands.

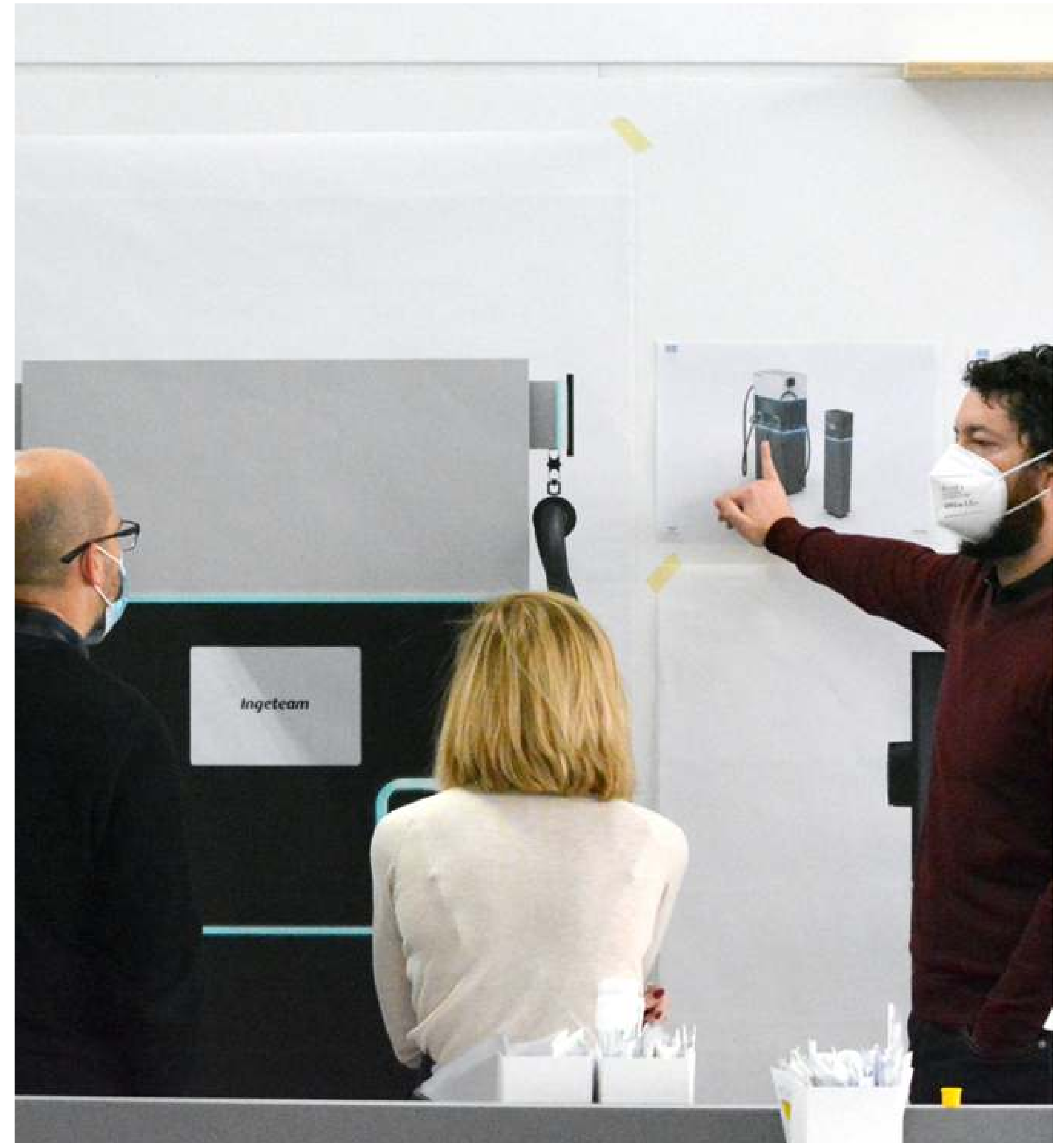


# Industrial Design

## Phase 3: Client involvement

At bigD, client collaboration is intrinsic to the industrial design process. They involve clients from ideation to execution, fostering an interactive approach where client input shapes the design direction.

Regular consultations, feedback sessions, and iterative design reviews ensure alignment with client needs and preferences, ensuring the final product resonates effectively with their vision and objectives.



# Industrial Design

## Phase 4: Industrialization

Our commitment extends beyond conceptualization—we take our designs to the final stages of engineering. From final CAD files for injection molding or thermoforming, to metal sheet bending, ensuring precision and manufacturability.

By delivering comprehensive engineering support, we empower our clients to bring our designs to life with utmost confidence and efficiency.

This end-to-end approach guarantees not just innovative concepts, but tangible, production-ready solutions that meet the highest standards of quality and manufacturability.



Our Services

# Industrial Design

## Curated Case Studies

Project:

Autonomous Mobile Robots

Client:

Asti Mobile Robotis - ABB

“With bigD we have taken a step forward in design that sets us apart from our competitors.”

Julián Campo, Eng. Manager at ABB Robotics

[↓ Case Study](#)

International Awards:



This is bigD

Industrial Design

Digital Design

Advanced Manufacturing

Contact

Our Services

# Industrial Design

## Curated Case Studies

Project:

Electric Pruners Shears

Client:

Bellota

“Despite tight deadlines, BigD’s tracking and traction have ensured that the project has been delivered on time and with quality.”

Asier Garate, Product Design & Development Manager at Bellota

[↓ Case Study](#)

International Awards:



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Our Services

# Industrial Design

## Curated Case Studies

Project:

Hot Melt Applicator

Client:

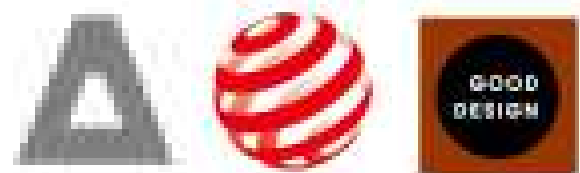
Focke Meler Gluing Solutions

“The bigD team has brought a great aesthetic sensibility together with the necessary technical knowledge to take the concept to manufacturing.”

Alberto Martínez, Mechanical Engineer  
at Meler

[↓ Case Study](#)

International Awards:



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Industrial Design

Digital Design

Advanced Manufacturing

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Our Services

# Industrial Design

## Curated Case Studies

Project:

Inverter

Client:

Ingeteam

[↓ Case Study](#)

International Awards:



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Advanced Manufacturing

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Our Services

# Industrial Design

## Curated Case Studies

Project:

DC EV charger 60kW

Client:

Ingeteam

“Working with bigD means guaranteed success. His constant work was reflected in the result.”

Belen Alfaro, Marketing Manager at Ingeteam

[↓ Case Study](#)

International Awards:



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Our Services

# Industrial Design

## Curated Case Studies

Project:

DC EV charger 180kW

Client:

Ingeteam

“We chose bigD mainly because of the clarity shown in their work process, their enthusiasm in tackling the project and the attention to detail they showed with their own brand.”

Javier Arizcuren, R&D Engineer at Ingeteam

[↓ Case Study](#)

International Awards:



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Advanced Manufacturing

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Our Services

# Industrial Design

## Curated Case Studies

Project:

ATF machine

Client:

Tc Matic

“bigD has been an unbeatable travelling companion, contributing their knowledge and know-how as if they were part of the company.”

M. Sola, CEO at TcMatic

[↓ Case Study](#)

International Awards:



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Industrial Design

Digital Design

Advanced Manufacturing

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Our Services

# Industrial Design

## Curated Case Studies

Project:

AC EV charger 7,4kW

Client:

Ulartec

“We are very satisfied with the work carried out and the experience with BigD throughout the process has been very positive.”

Joseba Ulayar, CEO at Ulartec

[↓ Case Study](#)

International Awards:



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Industrial Design

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Our Services

# Industrial Design

## Curated Case Studies

Project:

Crane Cabin

Client:

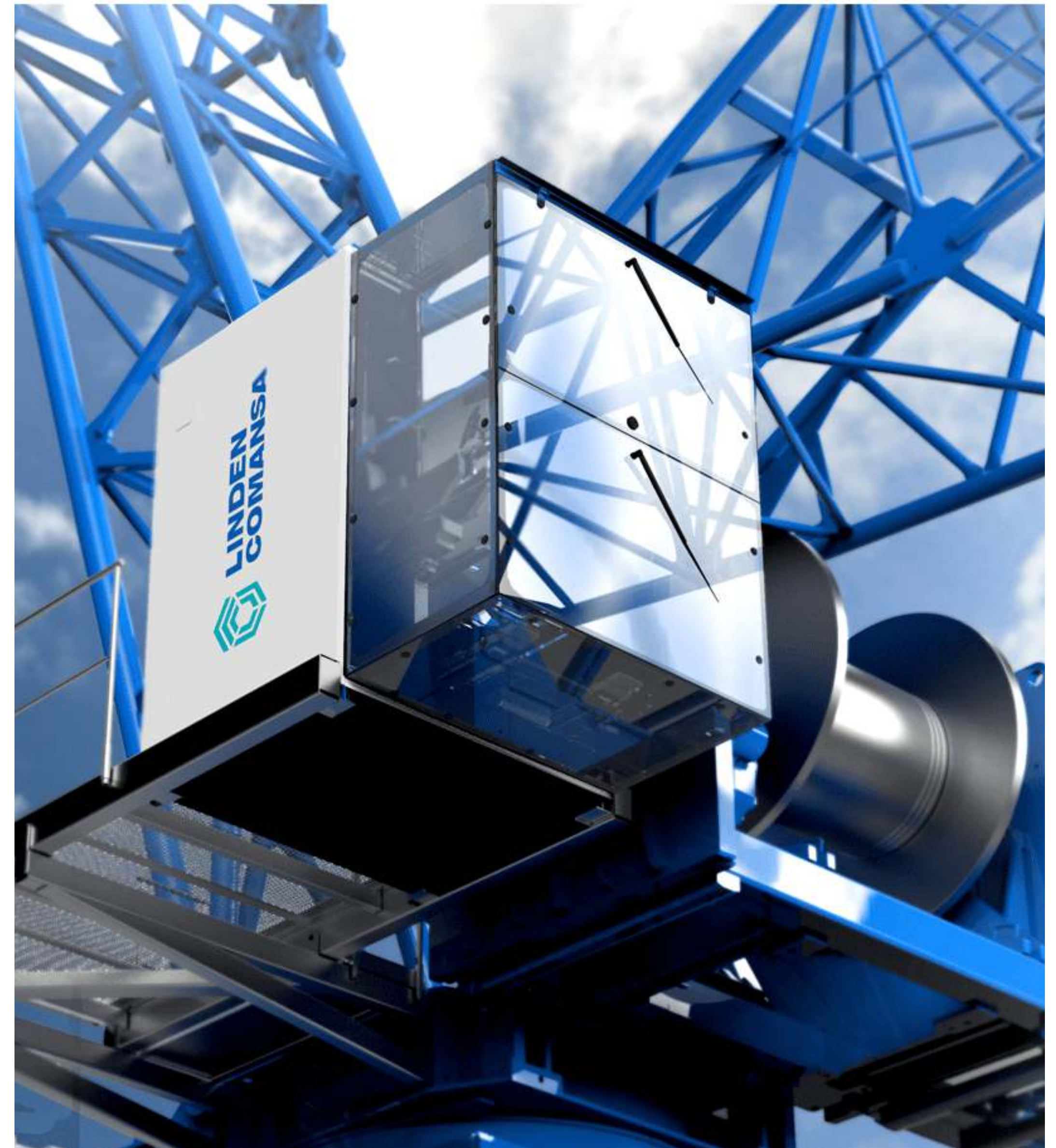
Comansa

“bigD has surprised us in the development in all phases of the project, from the conceptual phase to the final presentation. Creative, professional, young and with a lot of enthusiasm.”

Javier Fernández, Electrical Engineer at Comansa

[↓ Case Study](#)

International Awards:



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Industrial Design

Digital Design

Advanced Manufacturing

Contact

Our Services

# Industrial Design

## Curated Case Studies

Project:

3D Vision Sensor

Client:

ABB

“bigD and WP delivered a high quality project within very tight deadlines.”

Jorge Rodriguez

ABB's 3DVM ABB General Manager

[Case Study](#)



Our Services

# Industrial Design

## Curated Case Studies

Project:

HV batteries storage system

Client:

Cegasa

[Case Study](#)



## Contact

# Let's get in touch

## +4 Countries

Spain, Italy, Slovenia, Germany

## Head Quarters

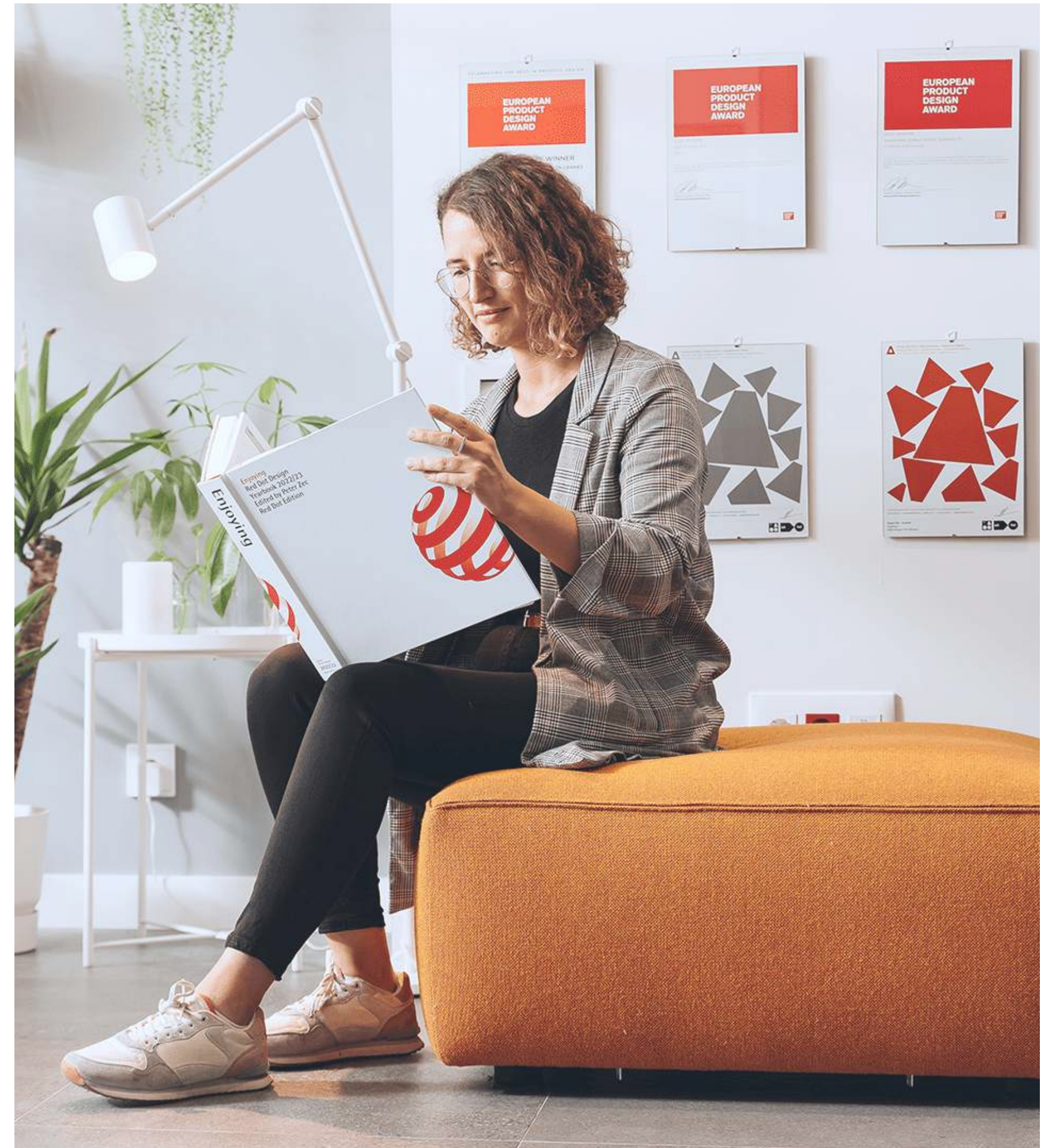
Pol. Ind. Morea Sur Ampliación Calle  
D, 11, 31191 Beriáin, Navarra, España

## +6 Languages

Spanish, German, Italian, English,  
French, Slovenian

✉ [info@bigd.es](mailto:info@bigd.es)

🌐 [bigd.es](http://bigd.es)





**bigD**  
Design  
that matters