



**BERGADANA**  
ADVANCED CAR SOLUTIONS

CPI TECHNOLOGY  
FOR AMBULANCES ASSEMBLY

**CPI KITS**  
BY BERGADANA



**Transforma 21, S.L.**



## A service-minded car-body maker company

In such a globalised and technified world as the current one, any situation requires the highest performance and effectiveness. The car-body maker company, Transforma 21, S.L. is aware of this reality, transforming, creating and offering services to fulfill the requirements of the market in medical vehicles, hearses and police vehicles.

The main goal of Transforma 21, S.L. is offering high quality products using technology at the service of transformation. From the first conception of every project, intervention on the vehicle is minimised and new technologies that allow transformations adapted to each client are implemented.

# INVESTMENT IN R&D+i CONTRIBUTES TO IMPROVE PERFORMANCE AND EFFECTIVENESS OF EMERGENCY SERVICES

## Abilities and experience

Transforma 21, S.L., under the commercial name of Bergadana, has more than 45 years of experience which position it as a model in the sector. The evident international vocation of the company allowed it to distribute its products around the world, offering more than 15.000 units to the market, specially in the European, Latin American and North African markets.

Currently, Bergadana invests, day after day, to continue strengthening its presence and leadership in the sector of medical emergencies both with the commercialisation of emergency vehicles and their kits and with the conclusion of agreements with the main international operators and manufacturers. Thanks to technological exchanges, much progress has been introduced in the sector.

Moreover, the team of Bergadana, including engineers, designers, product developers, technicians, assemblers and specialists, among others, works together to make progress in design, production and product distribution. Consequently, great results are obtained, both at a technical and organisational level, which ensure a constant focus on competitiveness and constant improvement.

Simultaneously, investment in R&D+i contributes to improve the performance and effectiveness of emergency services. Besides, the social responsibility of the company has made it possible to provide a great number of fast assembly kits to public and private services.





# INCORPORATING PIONEERING TECHNOLOGICAL ADVANCES IN THE SECTOR

## Technological innovation

Our passion for innovation has driven Bergadana to integrate several technological novelties in the design and manufacturing of their products. Therefore, a greater safety level and environmental commitment have been reached.

The R&D+I department is responsible for investigation, testing and implementation of new technologies to improve the efficiency of products and continue developing pioneer solutions in the sector.

From this point, CPI, Bersee and LED technologies as well as the usage of Abs material should be highlighted.

- The incorporation of Bersee system, together with touchscreens, allows for managing, controlling and supervising the whole electrical equipment of the vehicle, making the tasks of medical staff easier and increasing the patient's comfort.
- Second Generation CPI technology makes the vehicles ergonomic, practical and at the same time, respectful with homologation directives, as well as with rules on resistance, safety and interior conditioning. Moreover, the use of Abs material guarantees the cars to have surfaces that are resistant to chemical agents, antistatic and with matt finishing.
- The implementation of a Pioneer lighting system in the sector, based on LED technology and energy saving, allows the control and regulation of light intensity in the medical room with the aim of respond to the different requirements of the staff and the patient.
- The integration of the innovative air conditioning system, Air Flow, guarantees a fast heating of the room as well as the uniformity of the desired temperature.
- This new technology can spread cool and hot air in a balanced proportion through sheet air curtains. Thanks to this system, Bergadana vehicles combine comfort and functionality with the greatest efficiency.

# ASSEMBLY KITS FOR AMBULANCES, THE REALIZATION OF A COMMITMENT

The firm commitment of Bergadana to the application of technological innovation has enabled the company to have a significant production capacity, prepared to meet the needs of its customers worldwide.

Bergadana innovative mentality has generated new products, processes and services of high quality that are sold to a fully competitive price. In this sense, the creation and marketing of assembly kits for ambulances should be emphasised.





## Standardised kits

Bergadana assembly kit for ambulances is basically composed of 4 CPI complete modules (separation panel, roof panel, right and left side panels) as well as wiring and its mounting manual.

The company has kits for the following vehicles:

### **Type A1 medical vehicle**

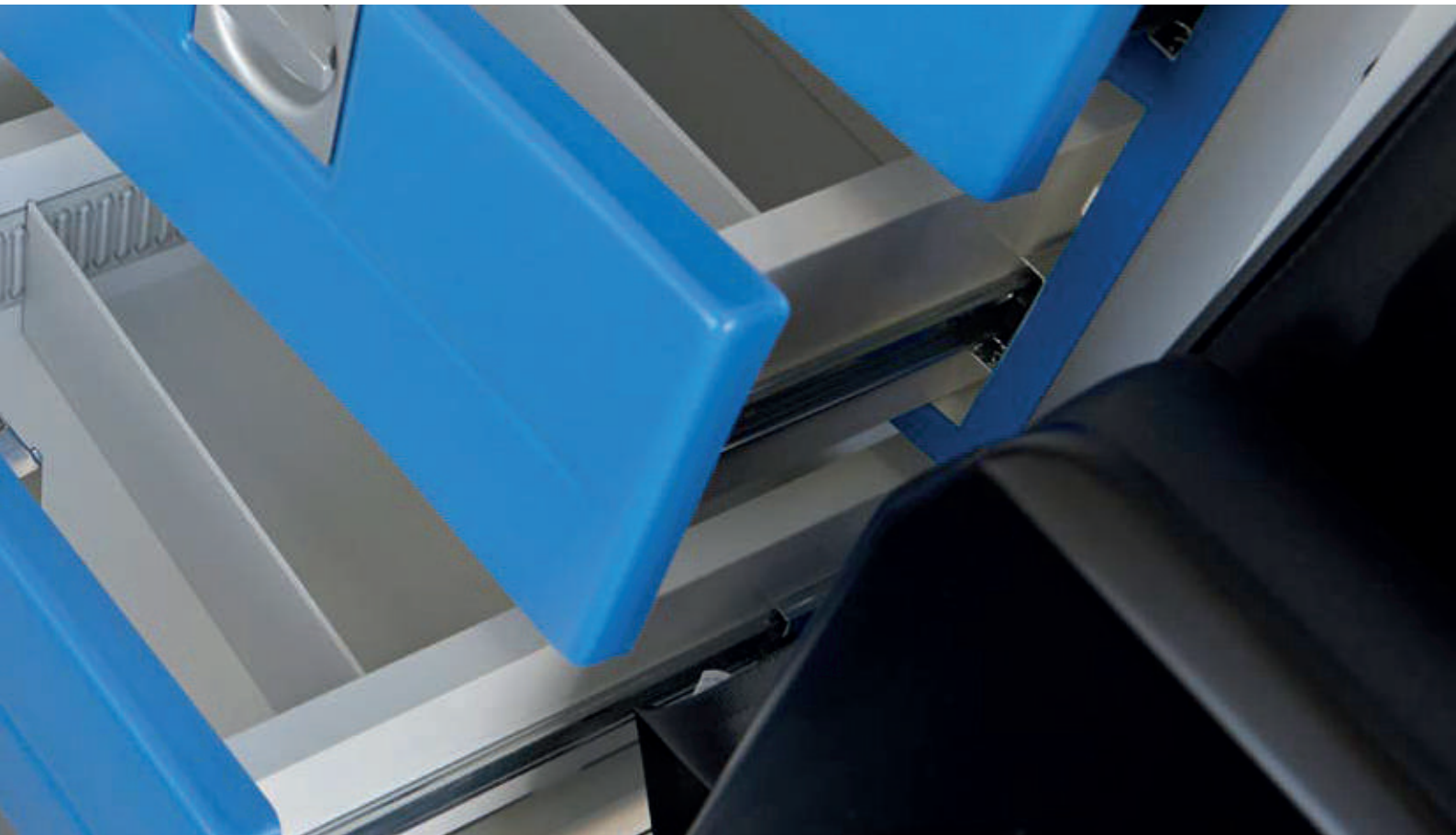
- Mercedes Benz Vito
- Renault Trafic
- Nissan NV 300

### **Type B/C ambulances**

- Mercedes Benz Sprinter (L2H2)
- Renault Master, Nissan NV400,
- Ford Transit (L3H3/L3H2)

### **Type A2 medical vehicle**

- Renault Master, Nissan NV400,
- Mercedes Benz Sprinter (L2H2/L2H1)







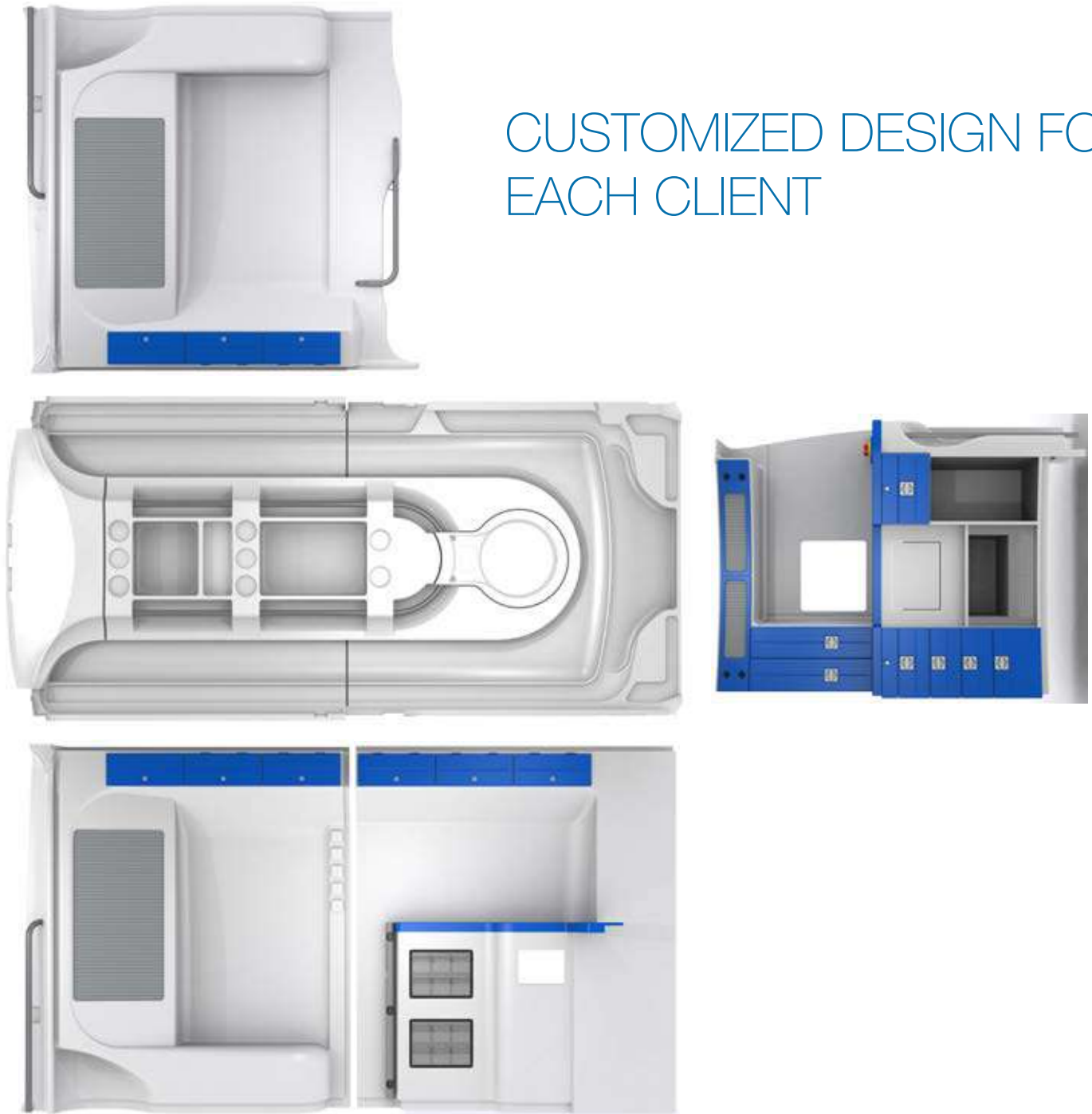
# CPI KITS

BY BERGADANA





## CUSTOMIZED DESIGN FOR EACH CLIENT



### Custom-made Kits

Bergadana, apart from commercialising standardized ambulances in kits, offers manufacturing and design plans on non standardized vehicles.

The Company, upon express customer request, develops basic kits for ambulances which, without resigning to a high quality medical room, allow to complete the unit with local products which help the development of auxiliary industry of the recipient country.

Moreover, Bergadana offers their technology to help in the total development of the unit, as well as a training for assembly in situ.

# DIALOGUE WITH THE CLIENT IS THE BASE OF OUR PRODUCTS

## Production Model

The production model of Bergadana permits generation multiple alternatives of an only product according to the specific requirements of each client. This is obtained thanks to a solid and efficient creation, production and logistics chain.

### **Clients needs assessment**

The Company has the necessary communication channels so that clients can express their requirements. To Bergadana, dialogue with the client is the base of their products as well as one of the distinctive features of their business philosophy.

During the design process, the R&D+i department works on this basis to make the most suitable kit to the client's requirements. The fact of having a multidisciplinary work team allows the support of the best professionals in each step of its development.

### **Design and development**

Bergadana has a team of specialists to investigate, design and develop their kits. The design department is specialised in generating innovative proposals with a personal identity that adapts to the specific requirements of each project.

During this process, the specific features of the kit are determined, defining its shape and technical features. Its conceiving is highly benefited by technical knowledge and the efficient manufacturing process of Bergadana.

It is important to highlight that Bergadana has the necessary technique to perform 3D volumetrics given by the vehicle manufacturer and, in case the manufacturer does not have this information, it can be obtained through a process of 3D scanning.

Consequently, the panels of the kits can be precisely assembled.







# OUR PRODUCTS UNDERGO RIGOROUS QUALITY CONTROLS

## **Product manufacturing**

The industrial site of Bergadana is specially equipped for kits production. Investment in specialised machinery to offer the best technological advances, as well as in high quality materials and pieces, optimizes the several stages of the production process, benefitting both the client and the final product.

As a result of this effort, in 2009, Bergadana created the Compaq Plus Integrate technology (CPI), a fusion between the advantages of the traditional systems of lining, furniture and isolation, using the most advanced materials. Thanks to this technology, we have managed to overcome the disadvantages of using materials like fiberglass or polyurethane.

The CPI application process includes the AA+mat, a material that increases uniformity of surfaces and suppresses reflections. This process includes the projection of Greensir, a high density ecologic polyurethane. This material permits reducing the weight of reinforcements, angles, corners and edges, and it creates a compact, uniform, resistant piece which is easy to clean and with no vibrations.

Thanks to the use of CPI technology, we obtain a compact material with the structural features of fibre and all the advantages of Abs thermoforming, making it easier both to shape big pieces and their wrapping and transportation.

During the manufacturing process of the kit, the electrical system is also assembled. Bergadana has the most suitable electrical complements for each kit, adjusting the cost without avoiding quality. The whole production line undergoes a rigorous quality control that allows the commercialisation of safe and efficient units.

## **Logistic service**

Facing several logistic requirements from the globalisation of the market, Bergadana has created a department specialised in offering the most efficient solution for each client.

The logistic service of Bergadana performs the tasks related to management, manipulation and expedition of kits, with the most suitable strategy for protection and transportation of each shipment.

To this end, the company previously acquires a knowledge of the logistic features of the recipient country. This strategy allows the company to offer a highly efficient service with great results both at a national and international level. The company works with international professionals, strategically selected, to respond to transport requirements in a fast and efficient way.

### **Assessment and training in situ**

The commitment of Bergadana with their clients is evident in their engagement in the assembly process. Through the years, the company has developed several training lines to guarantee a successful assembly of all their kits.

Bergadana training is adapted to the needs of each client, offering the necessary knowledge and technology to the total development of the units. Although design quality eases the assembly process, it is considered to be very positive that local technicians know the suitable work and safety processes.

Thus, Bergadana has created a product implantation serviced formed by technicians who are specialised in kits assembly. They travel internationally to fulfil each client's requirements, adapting to each vehicle specifications.

During the assembly of the first units, we offer a backing service that offers the local technicians the necessary knowledge to continue the production in a completely autonomous way. This service also helps speed productivity and efficiency of assembly processes.



BERGADANA IS  
DISTINGUISHED FOR HAVING A  
CLOSE TRUST RELATIONSHIP  
WITH THEIR CLIENTS BASED  
ON TRANSPARENCY AND  
HONESTY, WHICH LASTS  
AFTER EACH PROJECT IS  
FINISHED





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ADVANCED CAR SOLUTIONS

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