

(207) 989 - 4884
sales@farleyassociates.com

Tailor-made Heavy Load
Transportation Solutions

Revolutionizing Off-Highway
Transport with Next-Gen
Sustainable Vehicles

Up to 400 Tons
Load Capacity

Welcome to Fada

Battery Powered, Efficient, Innovative,
Movement, Automation

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About Us



 **FADA**

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ARGE WERKEN

01 About Fada

About Us

Many years of experience, complete service and complete customer satisfaction.

FADA Engineering is an engineering and machinery company that carries out various intralogistics projects such as storage, convey, rotation and transfer applications in many areas of the industry, in line with customer demands, and combines past experiences with technology and transfers them to the future.

The main themes of the products and services of Fada Engineering, which determines customer satisfaction as the basic principle, are superior quality and sustainability. Thanks to our dynamic staff with up to 15 years of experience, our suppliers with whom we have long and strong relationships, and our understanding of quality with a perfectionist perspective, we establish long-term and reliable relationships by providing the highest level of service to our customers.

With the passion of being innovation-oriented and creating added value, we work with great devotion to increase the productivity of our customers by producing solutions at international quality standards in all processes, from identifying needs to product delivery.

In the light of these principles, FADA Engineering, by realizing dozens of projects from the past to the present, serves to meet the needs of its customers in many different sectors such as railway industry, defense, foundry industry, energy, iron and steel, aluminum and industrial automation, especially in the automotive and logistics sector.

WE ARE TOGETHER!



01 About Fada

Why Fada ?

Passion for R&D and Innovation

We are updating our route with investments, with our innovation-oriented vision; We benefit from all technological opportunities such as Industry 4.0, digitalization, modern technology and the internet of things, and we continue on our way by aiming to be one of the leading companies in the machinery manufacturing and to achieve sustainable growth with our works.

The Perfectionist Perspective

For customer satisfaction, we increase the competencies of our employees, follows national and international standards, protects nature with environmentally friendly products, creates a safe working environment and ensure the continuity by adhering to the principle of "safety first"

Technology and Human

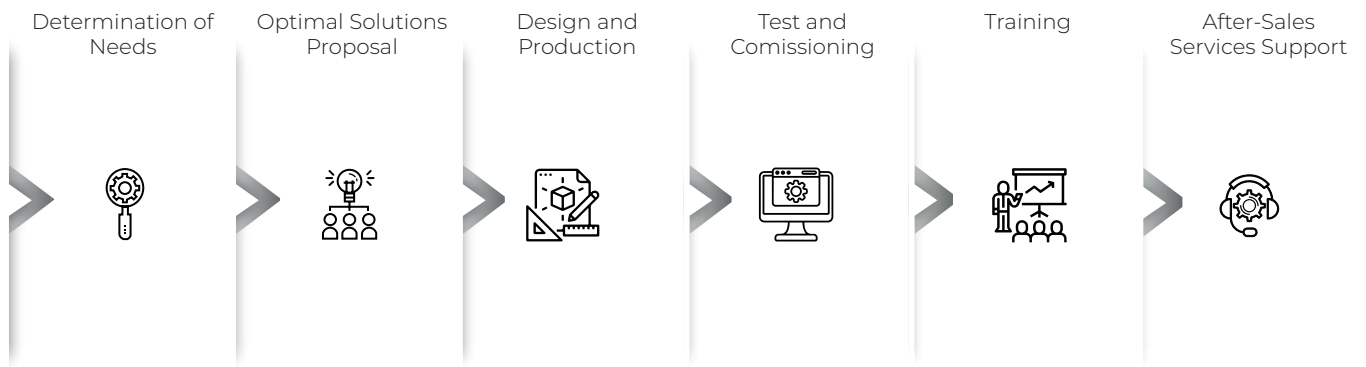
We train and support our employees with a dynamic, innovative and responsible vision that follows the latest technology.

QUALITY



01 About Fada

Work Flow Chart



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Determination of Needs

2

Optimal Solution Proposal

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Design and Production

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Test and Commissioning

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After-Sales Services Support

01 About Fada

Work Flow Chart

1. The Significance of Training:

At Fada Engineering, well-trained employees are crucial for successful industrial transfer cart operation. Training ensures their proficiency in features, functionalities, and safety protocols, enhancing efficiency and promoting a safe work environment.

2. Importance of Test and Commissioning:

At Fada Engineering, Test and Commissioning are vital steps in the manufacturing process. This stage involves meticulous examination and verification of each transfer cart's functionality and performance. Our services aim to identify any potential issues, guarantee optimal performance, and provide customers with reliable and efficient solutions.

3. The Significance of After-Sales Services Support:

At Fada Engineering, we understand that the journey with our customers does not end with the delivery of the transfer carts. After-sales services support is a critical aspect of our commitment to customer satisfaction. Our goal is to ensure that our customers receive unparalleled support and assistance, even after the initial purchase.

4. Design and Production: Crafting Excellence for Customer Satisfaction

At Fada Engineering, we take immense pride in the quality and ingenuity that goes into the design and production of our transfer carts. As a company dedicated to meeting the diverse needs of our customers, we understand that the journey does not end with the delivery of our products. After-sales services support is a critical aspect of our commitment to customer satisfaction, and it all starts with the meticulous process of design and production.

5. Determination of Needs: An Essential Step in Enhancing Customer Satisfaction

At our company, customer satisfaction is our top priority in manufacturing industrial transfer carts. Therefore, we place great importance on the "Determination of Needs" process.

Understanding our customers' needs is a fundamental step in providing them with the most suitable solutions for their operational processes. We work diligently to listen to and comprehend the specific requests and operational requirements of each of our collaborating customers.

6. Optimal Solution Proposal: Customized Transfer Cart Solutions According to Needs

Our company adopts a customer-centric approach in the production of industrial transfer carts. The "Optimal Solution Proposal" process is a crucial step in providing our customers with the best transfer cart solutions that meet their needs.

We begin by understanding our customers' requirements through the "Identification of Customer Needs" process. We carefully assess the business processes, operational demands, and specific requirements of each customer we collaborate with.

**REDUCE
YOUR
CARBON FOOT PRINT
WITH
BATTERY POWERED
TRANSFER CARTS !**



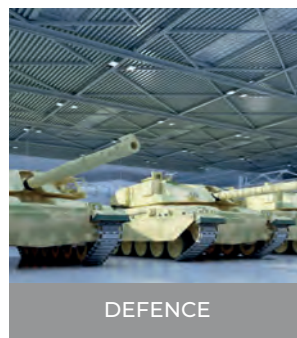


01 About Fada

Industrial Sectors

Fada Engineering, with its design capability, offers high efficiency, low cost, fast and flexible transportation solutions for your industrial load transfer applications.

In this context, from past to present, Coil Handling and Sheet Carriage Trolleys for Iron and Steel Industry and Steel Service Centers; Die Transfer Carts for Automotive, Logistics Industries; Concrete Traverse Transfer Trolleys and Concrete Piece Transfer Carts for Concrete Block Production Sector; Tanker Transport Vehicles, Wagon Transfer Trolleys for Logistics, Railway and Trailer Manufacturing Industries; Wind Turbine and Blade Transfer Carts for the Energy Sector; Transformer Transport Carts, Transformer Transfer Trolleys for Transformer Manufacturing Sector; FADA carries out various studies on Ship Parts Transfer Carts, Yacht and Ship Transport and Transfer Carts for the Shipyard Industry.



AND MANY OTHERS...

01 About Fada

Our Numbers

15⁺

Industries Served

220⁺

Client Served

60⁺

Highly Experienced Staff

3500⁺

Indoor Production
Facilities

4-6[€] million

Annual Sales

700⁺

Project



01 About Fada

They Trusted Us

TIRSAN

armtek
ELEKTRİK

ENPAY
Transformer Components

TOYOTETSU

ünallar^{METAL}

CEMTAS

TATMETAL

揮王企業股份有限公司
HWE WANG ENTERPRISES INC.

arçelik

ASAŞ

TURASAS

Kässbohrer

FORD OTOSAN

telson
TRAILER

BENOPLAST[®]
www.benoplast.com

AssanAlüminyum

PRESEZZI
EXTRUSION

ASTOR[®]
TRANSFORMATOR

GUIDA
COIL PROCESSING EQUIPMENT

ENTRA

BMC

FORTACO

Kibar



Hasçelik

KUZEY STAR
SHIPYARD

SCHMITZ
Cargobull

ARFEM
ALÜMİNYUM

TOKSAN
OTOMOTIV

dostel

VOL-STAHL
SPECIAL PROFILES SINCE 1921
GROUP OF COMPANIES

HİCRİ ERCİLİ

TEKNOSER

ALFA
SOLAR ENERJİ

Ege Endüstri
Ege Endüstri ve Ticaret A.Ş.

GALVA

COİM

CINOX

TELOS
Smart Automation Solutions

KUZEYBORU



Revolutionizing Off-Highway Transportation with Next-Gen, Sustainable Vehicles

02



Our Portfolio

02 Our Portfolio

FRONT WHEEL STEERING TRANSFER CART (FTC)

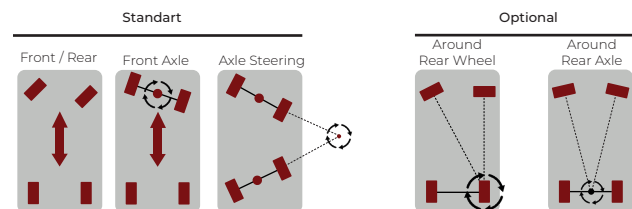


Please scan it to
experience it in
augmented reality.



- Remote and Autonomous Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)

- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground



Techinal Data

Capacity	5 tons to 250 tons	Power Source	Battery / Diesel
Speed	Up to 30m/min	Motors	PMAC / AC High Efficiency Motors
Steering	Front Wheel Steering	Loading Table	On Request
Wheel Type	Rubber / Polyurethane	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	<ul style="list-style-type: none"> - OHS Regulations - EN Standards - CE Certificated 		



02 Our Portfolio

MULTIDIRECTIONAL STEERING TRANSFER CART (MTC)



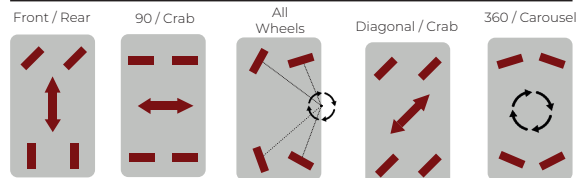
Please scan it to
experience it in
augmented reality.



- Remote and Autonomous Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)

- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground

Standart



Techinal Data

Capacity	5 tons to 250 tons	Power Source	Battery / Diesel
Speed	Up to 30m/min	Motors	PMAC / AC High Efficiency Motors
Steering	All-Wheel Steering	Loading Table	On Request
Wheel Type	Rubber / Polyurethane	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	- OHS Regulations - EN Standards - CE Certificated	Movements	360° rotation (Carousel) and crab movement (horizontal and diagonal movements)



02 Our Portfolio

RAIL TRANSFER CART (RTC)

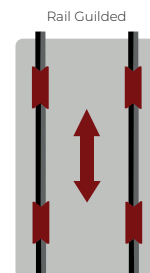


Please scan it to
experience it in
augmented reality.



- Remote Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)

- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground



Techinal Data

Capacity	1 tons to 250 tons	Power Source	Spring Drum, Bus-Bar, Cable Carrier, Battery, Diesel
Speed	Up to 60m/min	Motors	AC / DC Electric Motor, Hydraulic / Pneumatic Actuator
Steering	All-Wheel Steering	Loading Table	On Request
Wheel Type	Steel / Casting Wheel	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	<ul style="list-style-type: none"> - OHS Regulations - EN Standards - CE Certificated 		



02 Our Portfolio

DIE CHAGING and TRANSFER CART (DTC)



Please scan it to
experience it in
augmented reality.



- Remote Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)
- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground

± 90° steering



Technical Data

Capacity	5 tons to 50 tons	Power Source	Battery, Diesel
Speed	Up to 20m/min	Motors	PMAC / AC high efficiency motors
Steering	Single-Wheel Steering	Loading Table	On Request
Wheel Type	Vulcollan / Polyurethane	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	<ul style="list-style-type: none"> - OHS Regulations - EN Standards - CE Certificated 		

02 Our Portfolio

COIL HANDLING CART (CHC)



Please scan it to
experience it in
augmented reality.



- Remote Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)
- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground

± 90° steering



Technical Data

Capacity	5 tons to 50 tons	Power Source	Battery, Diesel
Speed	Up to 20m/min	Motors	PMAC / AC high efficiency motors
Steering	Single-Wheel Steering	Loading Table	On Request
Wheel Type	Vulcollan / Polyurethane	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	<ul style="list-style-type: none"> - OHS Regulations - EN Standards - CE Certificated 		

02 Our Portfolio

HEAVY DUTY TRANSFER CART (HDC)



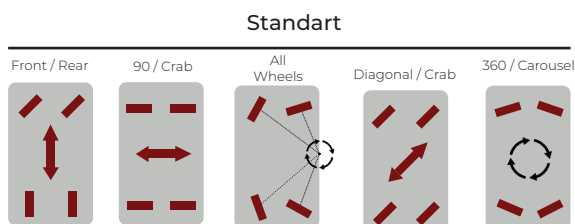
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- Remote and Autonomous Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)

- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground

Techinal Data



Capacity	100 tons to 250 tons	Power Source	Battery / Diesel
Speed	Up to 20m/min	Motors	PMAC / AC High Efficiency Motors
Steering	All-Wheel Steering	Loading Table	On Request
Wheel Type	Vulkollan	Security	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	On Request
Certification	- OHS Regulations - EN Standards - CE Certificated	Movements	360° rotation (Carousel) and crab movement (horizontal and diagonal movements)

02 Our Portfolio

AIR CUSHION VEHICLE (ACV)

Aerofilm



- Remote Control
- Ergonomic Design
- Anti-collision Safety System
- Hydraulic Lifting Systems (Optional)
- Rotating Systems (Optional)
- Customized Top Platform Design for the Load
- Wheel Options Suitable for Ground

Air Cushion



Technical Data

Capacity	5 tons to 400 tons	Power Source	Battery, Diesel
Speed	Up to 12m/min	Motors	Pneumatic
Steering	Single-Wheel Steering	Loading Table	On Request
Wheel Type	Rubber / Polyurethane / Vulkollan	Movements	Laser and Ultrasonic sensors, bumpers
Control	Remote Control / Autonomous	Dimensions	360° rotation and crab movement and diagonal movements
Certification	- OHS Regulations - EN Standards - CE Certificated	Air Power Source	0.6-0.8MPa, 25 m³/min

02 Our Portfolio

AIR CUSHION VEHICLE (ACV)

Aerofilm

FADA is the Aerofilm partner.

About Aerofilm

Dedication is the key to our success. We have been in our industry for over 40 years. And by 'our industry' we mean Air Caster Transportation. Nothing more, and certainly nothing less. That's because we're very good at what we do. Our roots are in engineering, and we have built our business by working closely with our clients. By listening to what they need and combining that with our expertise and experience, we are able to consistently develop custom made solutions.

We are Aerofilm: Freedom to move!

Air and Floor

To successfully work with Air Casters and maintain the floating stage of the load, two requirements are needed at all times. A suitable floor and enough compressed air:



02 Our Portfolio

AIR CUSHION VEHICLE (ACV)

Aerofilm

FADA is the Aerofilm partner.

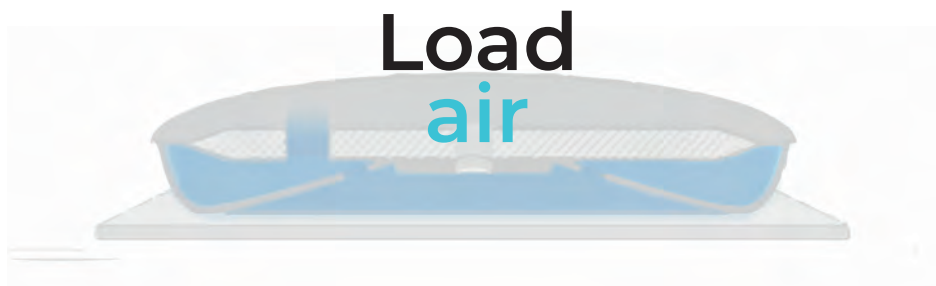
Technology

Air Casters can move the heaviest objects, transporting them from one place to another within the assigned vicinity. This is some impressive technology, but how does it work?

The membrane inflates with compressed air. The membrane inflates like a balloon, and the torus design of the membrane makes sure an air chamber is created underneath the Air Caster and lifts the object.



With a balance in weight, pressure, and design an accurately controlled “outflow” of air is created out of the membrane. This continuous and exact controlled leakage forms a paper-thin air film between the floor and the Air Caster. The thickness of the air film is about the same as a human hair.



By keeping balance in the outflow of air, the load is now in a floating stage. Like “air hockey”, the friction between the floor and the load is almost reduced to zero. Every horizontal movement is possible; without movement restrictions. Only 1 pound of force is needed to set 1,000 pound of load in motion.



03



Control and Safety Systems

03 Control and Safety Systems

Control Systems

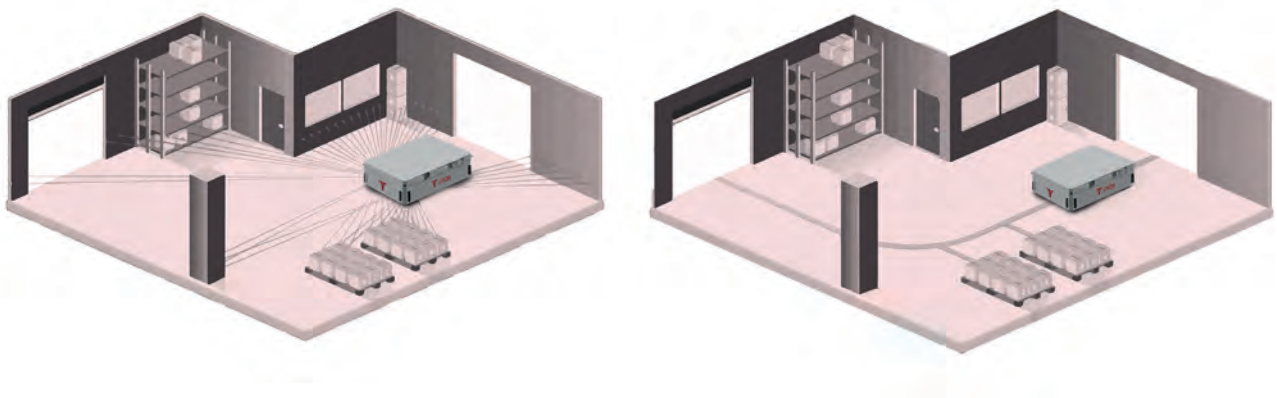
Remote, MTC,
Natural Navigation

Industrial transfer carts are often used for moving heavy loads and the four control systems mentioned allow for the use of these carts in various circumstances and different conditions.

1- Remote Control: This control system allows an operator to control the transfer cart from a certain distance. The remote control is an important safety feature, especially when working in hazardous or hard-to-reach areas. It is useful in situations that require the operator to be near the cart.

2- Magnetic Track Guided: Magnetic track guided allows a transfer cart to move automatically on a specific path. This system is often used for transfer carts that move regularly on a specific route in factories or warehouses. The cart proceeds on the route where magnetic tapes are placed and follows this tape.

3- Natural Navigation: The natural navigation control system allows the transfer cart to operate on its own, without the need for human intervention. These systems typically use sensors, artificial intelligence, and machine learning technologies to make the cart interact with its environment. Autonomous control systems can follow complex routes and automatically respond to various obstacles.



Our Partners :

SICK
Sensor Intelligence.

Leuze

BLUEBOTICS
— Your Vehicle Navigation Partner

NAVITEC
SYSTEMS

tele radio
wireless solutions



03 Systems

Safety Systems

Laser Scanner, Ultrasonic Sensor, Bumper, Laser Light, Warning Light

Laser Scanner: Laser scanners are sensors used to provide safety measures for industrial transfer carts. They use laser beams to continuously scan their surroundings and detect objects in the environment. By performing these scans, they can identify obstacles around the cart and minimize the risk of collisions. If an obstacle is detected, the system may reduce the cart's speed, bring it to a stop, or alert the operator. This provides an important safety layer for protecting workers and preventing damage to goods.

Ultrasonic Sensor: Ultrasonic sensors are another safety system used for distance and obstacle detection in industrial transfer carts. These sensors emit sound waves to measure distances and prevent potential collisions. The sensors send out ultrasonic waves, and by measuring the time taken for the waves to bounce back after hitting an object, they can determine the distance to nearby objects. This information can be used to automatically slow down or stop the cart to prevent collisions.

Bumper: Industrial transfer carts are typically equipped with bumpers at their front and rear. These bumpers serve to cushion the impact in case of a collision, reducing the risk of damage to both the cart and the surrounding materials. Considering that transfer carts can potentially be hazardous even at low speeds, bumpers help mitigate the effects of such collisions.

Laser Light: Laser lights are often installed on industrial transfer carts as a visual safety feature. These lights project a visible laser line in front of or around the cart, warning nearby workers of the vehicle's presence and its intended path. This helps enhance awareness in busy industrial environments, reducing the chances of accidents.

Warning Light: Flashing or rotating warning lights alert nearby personnel when the cart is moving, enhancing visibility and reducing accident risks.

These safety systems are used to ensure worker safety and protect equipment during the operations of industrial transfer carts. Thanks to automation and sensor technologies, these vehicles can perceive environmental factors more accurately and minimize collision risks, creating a safer working environment.



Our Partners :





LASER
SCANNER

EMERGENCY
STOP

ULTRASONIC
SENSOR

BUMPER

04



Transfer Cart Technologies

04 Transfer Cart Technologies

Our Options



SPECIAL VEHICLE DIMENSIONS

The standard size of our vehicles is G: 2,3m x L: 4,5m x H: 0,85m. Vehicle dimensions can be changed according to the operation or demand.



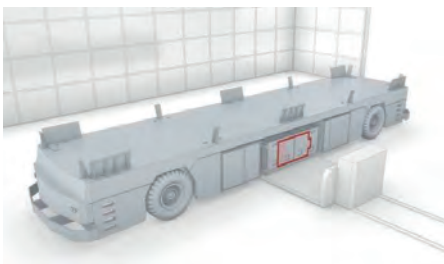
SPECIAL DESIGN TOP TABLE

Customisable top table designs are used in our transfer trolleys according to the load and load geometry to be transported.



HYDRAULIC LOAD LIFTING

Hydraulic lifting feature can be added to the vehicle upon need and demand. It is offered as an option.



QUICK BATTERY REPLACEMENT KIT

If it is desired to change the battery of the vehicle easily, a quick change kit can be designed for this.



IoT (Internet Of Things)

With our IoT solutions integrated with the ECU, data such as battery charge status, voltage, current, temperatures, service time, wheel angles, and commands can be instantly monitored via the web.



LOAD WEIGHING SYSTEM

It is used to measure the weight of the product placed on the vehicle. It can be integrated upon request.



MULTIFUNCTION REMOTE CONTROL WITH JOYSTICK

It is the remote control that we use as standard in our vehicles. Many information such as battery percentage, speed, manoeuvre selection can be displayed on the screen on the remote control. Joysticks make it easy to use.



HMI DISPLAY

Thanks to the HMI screen on the vehicle, you can view information such as alarm information, battery percentage, operating mode. It is used as standard in our vehicles.



WIRELESS CHARGING KIT

Depending on demand or operation, a wireless charging unit can be integrated into the cart as an option.



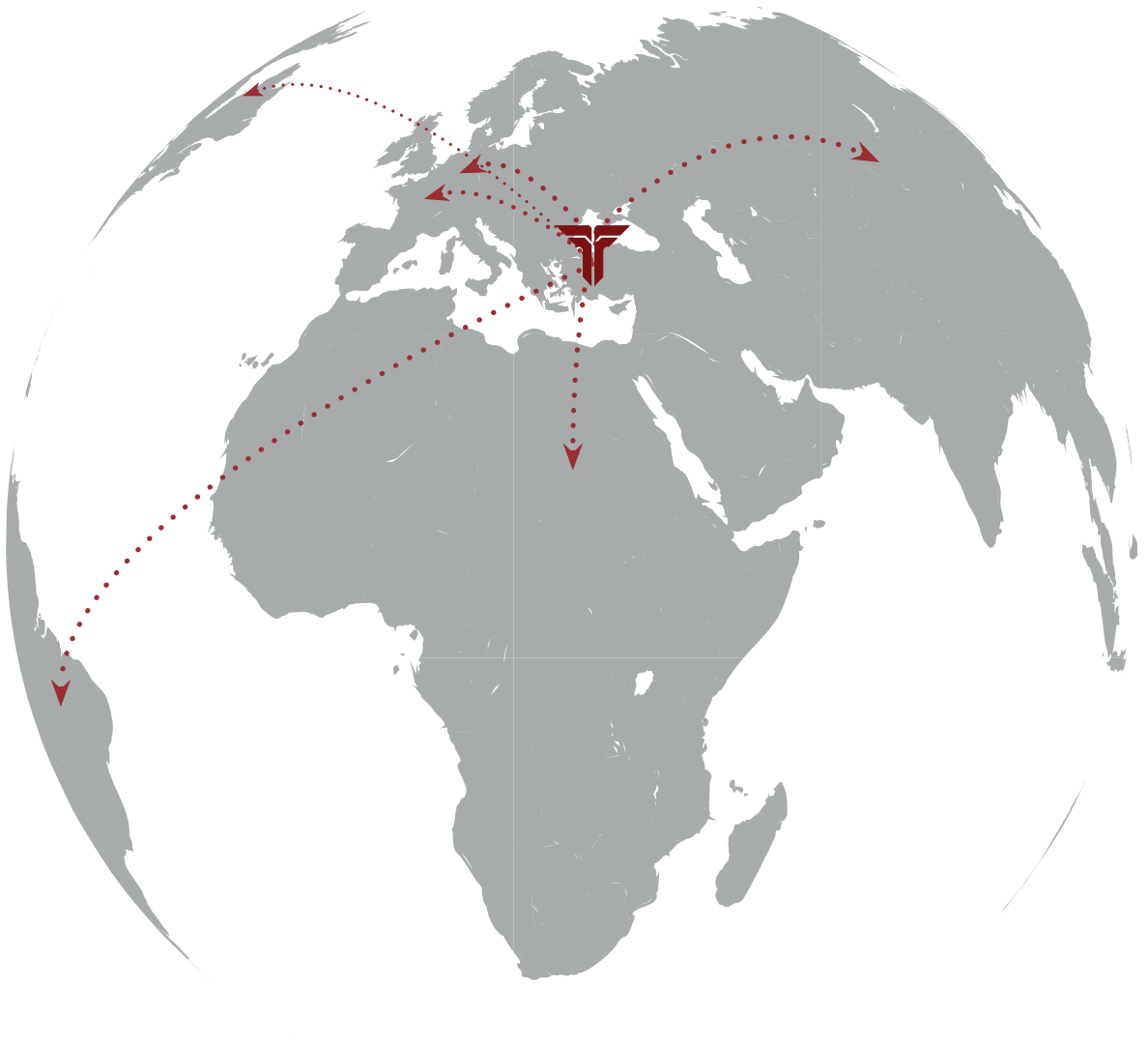
After-Sales Support

After-sales support is crucial to ensure the continuous and effective operation of industrial transfer cars. This service includes various maintenance services, part replacements, technical support, and training.





**“Fada Engineering
is Expanding Globally.”**



Become Our Transfer Cart Distributor

Bring Innovative Solutions to Your Region!

We continue to make a difference in logistics and production processes worldwide with our transfer cars. Join our sales and distribution network in your region and become our distributor, offering the most innovative and reliable solutions in the industry. With the assurance of FADA Engineering, let's grow together and build a strong partnership in your local market.

