



INDOX ENERGY SYSTEMS

QUOTATION FOR FUEL SEMITRAILERS



OFFER N° 231200301

Client: EUROSPEED

Country: RUMANIA

Date: 08/12/2023

Att.: Ionuț PAVĂL



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1.- Introduction

This quotation has been prepared for the demand of price for JETA A1 semitrailer with capacity for 36 m³, 1 compartment.

Our standard design is based on a cistern of elliptical or television section for a series of advantages that we consider very important for the safety of the vehicle and to prevent accidents:

- a) The center of gravity in an elliptical section is much lower than that of a circular section, which greatly improves the stability in the curves. Specifically our cistern has exceeded by 5% the minimum angle required by Regulation R111 rollover prevention, in standard version.
- b) the useful area in an elliptical section is much greater than in a circular section, the great advantage is that, for the same capacity, the length is much smaller which allows an improvement maneuverability in the vehicle.
- c) INDOX builds 100% all the vehicle in its facilities which guarantees a good assembly between the running gear and the transport tank of fuel liquids without improving the center of gravity since it does not overlap, but is installed in the interior of the chassis.

In any case, we are at your disposal to adapt them to your specifications and start working with you.



1 - TECHNICAL DESCRIPTION:

TOTAL CAPACITY	36.000 LTS (+ 4% Camera)
COMPARTMENTS:	1 MANLIDS: 1
CAPACITY PER COMPARTMENT:	36.000
WEIGHT TARE:	5.750 kg (±3%)

✓ General:

Use: For transport of ADR class 3, JET A1

Construction: Self-standing shape elliptical conical

Section transversal: Elliptical

Design Code: EN-13094

Regulation: ADR 2015, class 3 coding LGBF

✓ Main Technical Features:

Material	Aluminum alloy type 5186NG s/EN 10204 3.1B
Baffles	As technically needed / As per ADR requirements
Thickness	As per ADR
Design temperature:	-40 ... +50°C
M.A.W.P.:	0.20 bar
Test Pressure :	0.5 bar

✓ Inspections and Tests:

Vessel	X ray inspection
Test and testing samples	All required per ADR. Hydraulic test, volume measurement, tightness.
Certification body:	Bureau Veritas Spain
Calibration:	Each compartment gross capacity and probe height checked only.

✓ **Charge, Discharge: (RIGHT HAND SIDE REAR PART)**

Liquid Phase:

Bottom valve complies with ADR Regulations & UNE-EN 13308.	1 pcs x comp.
API loading valve complies with API RP1004 & UNE-EN 13308, with a sight glass and interlock to control of bottom valve.	1 pcs x comp.
Dry-break 4" (Ø104) plus black cap. Selectivity to be defined by the customer.	1 pcs x comp.
1" Drain valve + coupling for test	1 pcs x comp.

Gas Phase:

Vapour recovery vent valve complies with UNE-EN13082 in manhole.	1 pcs x comp.
Vapour recovery adaptor complies with EN 13081 & API RP1004.	1 pcs

Equipment:

Integral manhole covers DN500 with ADR Regulations, API RP1004 & UNE-EN 13317.	1 pcs x comp.
Internal Relief Valve complies with UNE-EN 14595.	1 pcs x comp.
Optic overfilling sensor 5 wire complies with 94/9/CE (ATEX) & EN13992:2003.	1 pcs x comp.
Overfilling socket, type 4J Slotted / 10 Pin connector complies EN13922:2003.	1 pcs.

Accessories:

Aluminium box for charge/discharge equipment, including a flame proof lamp.	1 pcs.
4" API Gravity Drop Adaptor with handle complies with API RP1004 & UNE-EN 13315.	Not included
SYM DN 80 Connection.	Not included
Adaptor SYM DN 80 to MK 80 & SYM DN 80 to Vapour recovery system	Not included

Pneumatic Elements:

Interlocks in API Coupling for open bottom valves.	1 pcs x comp.
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Extras:

Flange with black flange to further connection an electronic level.	Not included
Pneumatic high-level sensor	1 pcs x comp.
Test button for pneumatic sensor	1 pcs.

✓ **Equipment Divers:**

Top longitudinal spill box according to EN-13094 with drain tubes.	1 pcs.
Aluminium ladder at rear end.	1 pcs.
Non-slipping walkway in aluminium.	1 pcs.
Hand rail in stainless steel that bends from ground.	1 pcs.

✓ **Running Gear:**

Chassis	High strength steel.
Axle system	Pneumatic Tridem Suspension SAF INTRADISC
Axles:	3 x Load capacity 9 tonnes DISC BRAKE, two line service brakes.
Kind of suspension:	Pneumatic
Lift axle:	First axle.
Braking system:	EBS 2S-2M + RSS Brand: WABCO according CE regulations, connections 15 PIN ISO7638 and ISO 1728 & ISO 1729.
Air vessel:	1 x 100 lts. Material: Aluminium
King pin:	International, diameter 2" Height 1150 mm ±2 % laden.
Landing legs:	Two speed, heavy duty with rocking feet.
Tyres:	6 + 1 pcs. CONTINENTAL T Dimensions : 385/65 R22,5"
Rims:	6 + 1 pcs. Steel wheels offset 120 mm
Mudguards:	6 pcs. PVC mudguards fitted over each running gear wheel complete with anti-spray flaps fitted over the rear wheels only.
Bumper:	Aluminum section bumper bar incorporating lights, long vehicle sign and the number plate holder fitted to the tank rear conforming to Indox construction and CE regulations.

Sideguards:	Lightweight aluminum sideguard assemblies will be fitted in accordance with CE regulations, where is required.
Electrical system:	24V. according to ADR, 1 x 15 PIN Connection ISO 12098
Spare wheel holder:	1 pcs. Include.
Wrench for spare wheel mounting:	1 pcs. Include.
Wheels chocks:	2 pcs. Material: Polypropylene.
Other options:	(*)

(*) Detail description is given in Section "Included Options"

✓ **Accessories:**

Fire extinguishers:	2 pcs x 9 kg, placed at both sides of vehicle.
Tools cabinet:	1 pcs in the rear side.
Earthing reel:	Optional.
Earthing points to the chassis:	2 pcs Material: brass
Support for UN plate marking:	1 pcs. Plate doesn't come into supplied kit.
Support for dangerous marking:	3 + 3 pcs. In both side and rear end.
Diamond sticker dangerous identification:	Included 3 + 3 pcs.
Hose carrier:	2 pcs x side, type Ø160 mm x 6 mts ALUMINIUM
Hose:	Not Included.
ADR Spill Kit:	1 pcs
	<ul style="list-style-type: none"> ▪ Short Handle plastic shove. ▪ ADR 10 LT collecting container (empty). ▪ Drain cover (40 x 40).

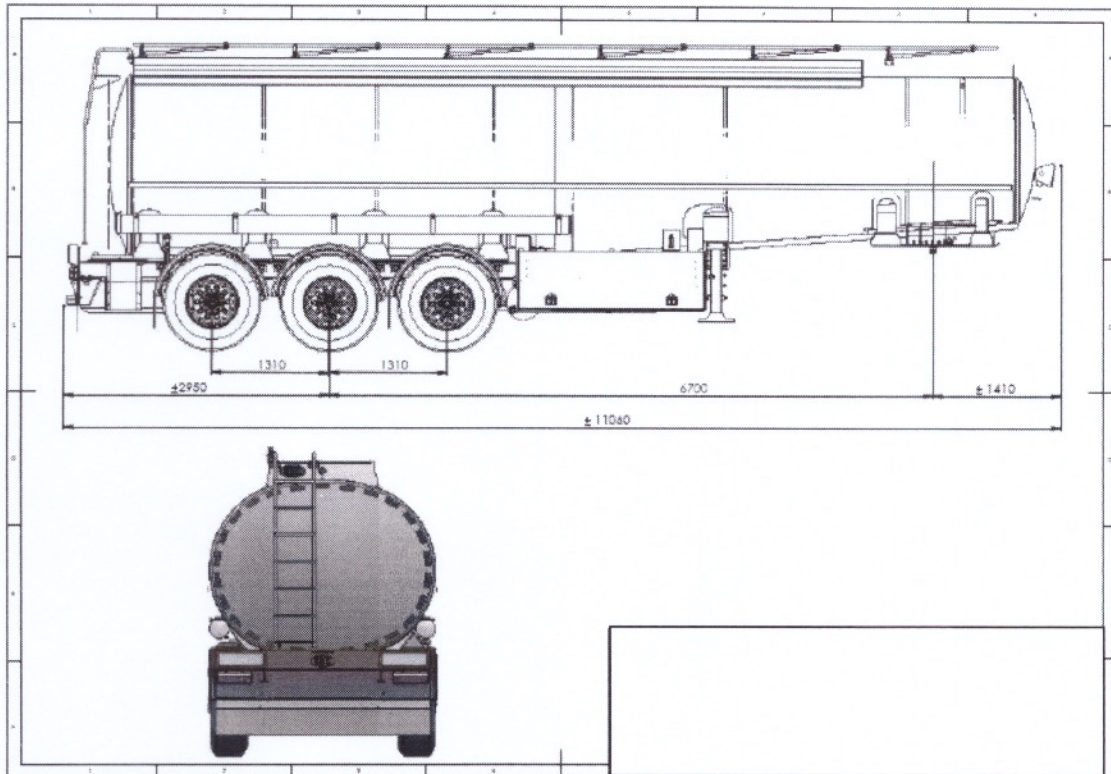
✓ **Painting**

Tank, external surface:	Two component acrylic paint, 2 layers.
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Tank, internal surface:	Cleaning aluminium
Reflecting tape:	According to EC R-104 standard, bot lateral sides, and rear side red colour
Customer logotype:	Not included.
✓ Documentation	
Quality book:	Quality book in English language, 1 pcs
Manual:	Use manual, in English language, 1 pcs
Certificates	ADR.

✓ **General Arrangement drawing**





3.- ECONOMIC APPROACH

3.1.-Pricing

The price for one unit according to the technical specifications detailed above is:

Description	Units	Exworks Unit Price €	Total amount €
36 m3 JET-A1 Fuel Semitrailer	1	79.400,00 €	79.400,00 €
Optional: Self-loading hose 3" x 5500 mm with MK-VK 80 3"	2	240,00 €	480,00 €
TOTAL PRICE			79.880,00 €
Commercial discount (valid until 15/12/2023)	1	- 3.000,00 €	- 3.000,00 €
FINAL PRICE			76.880,00 €

3.2.- Payment terms:

We propose the following payment terms:

- 30% by bank transfer as Down Payment.
- 70% by bank transfer after confirmation that the equipment is ready, always before delivery.

3.3.- Delivery terms

ExWorks Incoterms 2010, Fonolleres, Spain.

Delivery time: In case of order confirmation before 15th December, delivery time for one unit would be:

Week 17/2024 (April 2024)

3.4.- Validity

This offer has a validity of 7 days from the submission.

Delivery time will have to be discussed in case of receiving the order after the 15th December.

3.5. – Warranty

This offer has a warranty period of 12 months (further information in Warranty conditions section).

Anglesola, 8th December 2023

Signature:

Jordi Segura Morancho
Sales Director Europe
INDOX ENERGY SYSTEMS, S.L.

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WARRANTY CONDITIONS

1.- Warranty period:

1.1.- The warranty period of equipment manufactured by INDOX ENERGY SYSTEMS S.L., hereinafter referred to as INDOX, is twelve (12) months from the date stated on our delivery note to the first buyer. Unless other conditions have been established in writing in the body of the contract.

1.2.- Under no circumstances shall the actions covered by the warranty have the effect of extending the warranty beyond the agreed terms

2.- Scope of warranty:

2.1.- This warranty covers only equipment manufactured by INDOX, covering labor and boiler materials. Equipment from outside suppliers to INDOX are excluded and would be subject to the warranty criteria and conditions of the manufacturer of that item (e.g. axles, pumps, valves, etc.). Any delivery of materials that fall under the warranty will be covered under FCA conditions according to INCOTERMS 2010.

2.2.- The warranty on parts not manufactured by INDOX will be applied exclusively to parts recognized as defective by the supplier's own technical support after all associated problems have been taken into account. The application of the warranty consists in delivering new parts to replace defective ones or repairing them, according to the supplier's own technical support. Replacement costs and/or repairs that arise are excluded from the scope of the warranty. To be accepted under warranty, the customer agrees to return the damaged or defective material via post at his/her own cost within fewer than 10 days of receipt of the new part for further analysis with the supplier; otherwise, an invoice will be issued for this material.

2.3.- This warranty extends only to the first owner of the unit and cannot be transferred without the written consent of INDOX.

2.4.- INDOX assumes no liability for damages and losses that may arise from defects found in parts or in the construction of equipment, even in cases where an accident has occurred, being limited only to the application of the warranty conditions. Under no circumstances will consideration be given to or liability or charges accepted for direct or indirect damage to third parties, consequential losses, loss of profits or interruption of business activity, or cases considered to be force majeure.

2.5.- Items not covered by the warranty include: wear due to use, general checks and inspections, adjustments, accidents, overturning, vaporization of tanks and degasifications, staff travel, transportation to workshop, towing or the consequences of immobilizing the vehicle.

2.6.- If the repair is to be carried out anywhere other than at our workshops, then travel, accommodation and meal-allowance costs incurred by our staff shall be borne by the customer.

2.7.- Any damage caused by lack of cleaning, both internal and external, as well as that arising from misuse or negligent use of the equipment under conditions other than those specified during the sale are excluded from the scope of the warranty.

2.7.- During the warranty period, the customer is required to cover the costs of the maintenance operations detailed in the manuals for each piece of equipment, in an authorized workshop or previously recognized official service provider in the area. INDOX reserves the right to decline the equipment warranty upon detection of a failure to maintain the equipment and its component parts.

3.- Cancellation of warranty:

The warranty is considered cancelled and void automatically and in full when:

- The buyer-user has not made payments within the deadlines set down in the purchase order or sale contract.
- The buyer-user uses the equipment for a service other than the one for which it is intended.
- The buyer-user does not follow the instructions for use, cleaning, lubrication and maintenance specified for each piece of equipment, i.e. improper use.
- The buyer-user makes modifications to the equipment without the consent of INDOX.
- The buyer-user does not return the defective or damaged material to INDOX.

4. Application and processing of warranty:

4.1.- Any defect that involves activating the warranty must be made known to INDOX.

4.2.- To qualify for any actions under the warranty, the equipment should be necessarily serviced at the INDOX factory by a qualified technical support technician, or in an authorized workshop or recognized official service provider in the area. The request shall always be made by the customer in writing (fax, e-mail, post) by sending the duly completed warranty claim form, which should include any attached photographs and reports. Requests can be made by telephone only in the case of emergencies and must subsequently be ratified by one of the forms of communication stated above within 24 hours.



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1.- Introduction

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Our standard design is based on a cistern of elliptical or television section for a series of advantages that we consider very important for the safety of the vehicle and to prevent accidents:

- a) The center of gravity in an elliptical section is much lower than that of a circular section, which greatly improves the stability in the curves. Specifically our cistern has exceeded by 5% the minimum angle required by Regulation R111 rollover prevention, in standard version.
- b) the useful area in an elliptical section is much greater than in a circular section, the great advantage is that, for the same capacity, the length is much smaller which allows an improvement maneuverability in the vehicle.
- c) INDOX builds 100% all the vehicle in its facilities which guarantees a good assembly between the running gear and the transport tank of fuel liquids without improving the center of gravity since it does not overlap, but is installed in the interior of the chassis.

In any case, we are at your disposal to adapt them to your specifications and start working with you.

1 - TECHNICAL DESCRIPTION:

TOTAL CAPACITY	36.000 LTS (+ 4% Camera)
COMPARTMENTS:	1 MANLIDS: 1
CAPACITY PER COMPARTMENT:	36.000
WEIGHT TARE:	5.750 kg ($\pm 3\%$)

✓ General:

Use: For transport of ADR class 3, JET A1

Construction: Self-standing shape elliptical conical

Section transversal: Elliptical

Design Code: EN-13094

Regulation: ADR 2015, class 3 coding LGBF

✓ Main Technical Features:

Material	Aluminum alloy type 5186NG s/EN 10204 3.1B
Baffles	As technically needed / As per ADR requirements
Thickness	As per ADR
Design temperature:	-40 ... +50°C
M.A.W.P.:	0.20 bar
Test Pressure :	0.5 bar

✓ Inspections and Tests:

Vessel	X ray inspection
Test and testing samples	All required per ADR. Hydraulic test, volume measurement, tightness.
Certification body:	Bureau Veritas Spain
Calibration:	Each compartment gross capacity and probe height checked only.

✓ **Charge, Discharge: (RIGHT HAND SIDE REAR PART)**

Liquid Phase:

Bottom valve complies with ADR Regulations & UNE-EN 13308.	1 pcs x comp.
API loading valve complies with API RP1004 & UNE-EN 13308, with a sight glass and interlock to control of bottom valve.	1 pcs x comp.
Dry-break 4" (Ø104) plus black cap. Selectivity to be defined by the customer.	1 pcs x comp.
1" Drain valve + coupling for test	1 pcs x comp.

Gas Phase:

Vapour recovery vent valve complies with UNE-EN13082 in manhole.	1 pcs x comp.
Vapour recovery adaptor complies with EN 13081 & API RP1004.	1 pcs

Equipment:

Integral manhole covers DN500 with ADR Regulations, API RP1004 & UNE-EN 13317.	1 pcs x comp.
Internal Relief Valve complies with UNE-EN 14595.	1 pcs x comp.
Optic overfilling sensor 5 wire complies with 94/9/CE (ATEX) & EN13992:2003.	1 pcs x comp.
Overfilling socket, type 4J Slotted / 10 Pin connector complies EN13922:2003.	1 pcs.

Accessories:

Aluminium box for charge/discharge equipment, including a flame proof lamp.	1 pcs.
4" API Gravity Drop Adaptor with handle complies with API RP1004 & UNE-EN 13315.	Not included
SYM DN 80 Connection.	Not included
Adaptor SYM DN 80 to MK 80 & SYM DN 80 to Vapour recovery system	Not included

Pneumatic Elements:

Interlocks in API Coupling for open bottom valves.	1 pcs x comp.
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Extras:

Flange with black flange to further connection an electronic level.	Not included
Pneumatic high-level sensor	1 pcs x comp.
Test button for pneumatic sensor	1 pcs.

✓ **Equipment Divers:**

Top longitudinal spill box according to EN-13094 with drain tubes.	1 pcs.
Aluminium ladder at rear end.	1 pcs.
Non-slipping walkway in aluminium.	1 pcs.
Hand rail in stainless steel that bends from ground.	1 pcs.

✓ **Running Gear:**

Chassis	High strength steel.
Axle system	Pneumatic Tridem Suspension SAF INTRADISC
Axles:	3 x Load capacity 9 tonnes DISC BRAKE, two line service brakes.
Kind of suspension:	Pneumatic
Lift axle:	First axle.
Braking system:	EBS 2S-2M + RSS Brand: WABCO according CE regulations, connections 15 PIN ISO7638 and ISO 1728 & ISO 1729.
Air vessel:	1 x 100 lts. Material: Aluminium
King pin:	International, diameter 2" Height 1150 mm ±2 % laden.
Landing legs:	Two speed, heavy duty with rocking feet.
Tyres:	6 + 1 pcs. CONTINENTAL T Dimensions : 385/65 R22,5"
Rims:	6 + 1 pcs. Steel wheels offset 120 mm
Mudguards:	6 pcs. PVC mudguards fitted over each running gear wheel complete with anti-spray flaps fitted over the rear wheels only.
Bumper:	Aluminum section bumper bar incorporating lights, long vehicle sign and the number plate holder fitted to the tank rear conforming to Indox construction and CE regulations.

Sideguards:	Lightweight aluminum sideguard assemblies will be fitted in accordance with CE regulations, where is required.
Electrical system:	24V. according to ADR, 1 x 15 PIN Connection ISO 12098
Spare wheel holder:	1 pcs. Include.
Wrench for spare wheel mounting:	1 pcs. Include.
Wheels chocks:	2 pcs. Material: Polypropylene.
Other options:	(*)

(*) Detail description is given in Section "Included Options"

✓ **Accessories:**

Fire extinguishers:	2 pcs x 9 kg, placed at both sides of vehicle.
Tools cabinet:	1 pcs in the rear side.
Earthing reel:	Optional.
Earthing points to the chassis:	2 pcs Material: brass
Support for UN plate marking:	1 pcs. Plate doesn't come into supplied kit.
Support for dangerous marking:	3 + 3 pcs. In both side and rear end.
Diamond sticker dangerous identification:	Included 3 + 3 pcs.
Hose carrier:	2 pcs x side, type Ø160 mm x 6 mts ALUMINIUM
Hose:	Not Included.
ADR Spill Kit:	1 pcs
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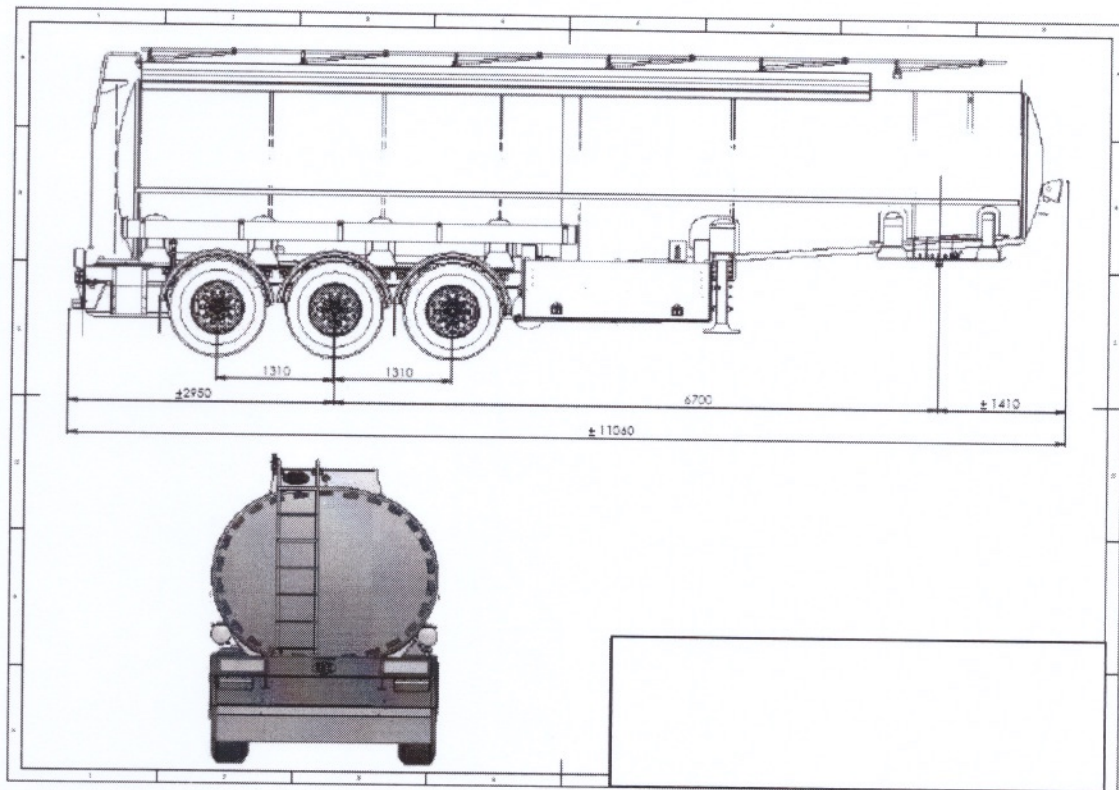
✓ **Painting**

Tank, external surface:	Two component acrylic paint, 2 layers.
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Tank, internal surface:	Cleaning aluminium
Reflecting tape:	According to EC R-104 standard, bot lateral sides, and rear side red colour
Customer logotype:	Not included.
✓ Documentation	
Quality book:	Quality book in English language, 1 pcs
Manual:	Use manual, in English language, 1 pcs
Certificates	ADR.

✓ **General Arrangement drawing**





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TOTAL PRICE			79.880,00 €
Commercial discount (valid until 15/12/2023)	1	- 3.000,00 €	- 3.000,00 €
FINAL PRICE			76.880,00 €

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We propose the following payment terms:

- 30% by bank transfer as Down Payment.
- 70% by bank transfer after confirmation that the equipment is ready, always before delivery.

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ExWorks Incoterms 2010, Fonolleres, Spain.

Delivery time: In case of order confirmation before 15th December, delivery time for one unit would be:

Week 17/2024 (April 2024)

3.4.- Validity

This offer has a validity of 7 days from the submission.

Delivery time will have to be discussed in case of receiving the order after the 15th December.

3.5. – Warranty

This offer has a warranty period of 12 months (further information in Warranty conditions section).

Anglesola, 8th December 2023

Signature:

Jordi Segura Morancho
Sales Director Europe
INDOX ENERGY SYSTEMS, S.L.

EUROSPEED

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1.- Warranty period:

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