

VTIndustrial_{SL}

POWER + CONTINUITY
Power to keep you moving...



Company Presentation

* A VT GLOBAL GROUP COMPANY



POWER + CONTINUITY
Power to keep you moving...

COMPANY PROFILE

- 01 Who we are
- 02 What we offer
- 03 Product Range
- 04 Brands

Who we are



VT INDUSTRIAL SL is a **VT GLOBAL** subsidiary, dedicated to the manufacture and distribution of batteries for industrial applications, such as Forklift Trucks, Reach-truck, Pallet stackers and shortly for all Lifting Equipment, Energy Storage Systems, Solar Systems, Marine and Recreational Applications related to Traction, Semi-Traction, Deep Cycle Battery Systems for the **Logistics, Transportation, Warehousing, Industrial, Material Handling, Solar and Energy Storage** sectors worldwide.

VT INDUSTRIAL SL, offers **Made In EU** Traction and Motive Power batteries and as well as solutions for Semi-traction, Mobility, UPS applications with Lead-Acid Flooded, Lead-Acid Gel, Hybrid and Lithium-ion (LiFePO4) batteries for **Motive Power, Energy Storage Systems**, and **Deep Cycle Battery Systems** with its strong product portfolio.

VT INDUSTRIAL SL is exclusive distributor of **ENEROC LITHIUM SYSTEMS, LUCAS INDUSTRIAL , HYUNDAI SUNGWOOLITE INDUSTRIAL**, and **GIRLING INDUSTRIAL** brands in a very wide territory throughout the world.



Jose Miguel Alvarez De Palacio
Founding Partner

“

The guiding principles incorporated to the organisation is to supply a symbol of a **Long Cyclic Life Products, Customized, Fast and Professional Solutions** and **Professional After-Sales Service** to enable our partners to work continuously...

”

What we offer



Battery Assembly

24V to 96V,

65 Ah to 1500 Ah,

Motive Power Lead-Acid PzS, PzB, PzV, PzVB,

Motive Power Lithium-Ion (LFP) Systems

Energy Storage Systems (LFP)

Superior Quality Fast & Reliable Assembly,

Made In Spain

Energy Storage Engineering

Lithium-Ion Battery system with wide voltage range of **24V-750V** enables us to offer solution to adapt to different applications and industries

Standard and customized battery products provided to meet project requirement

Industry-leading 6 years warranty and worldwide service support

Top-level products with high quality and extraordinary performance

Battery Supply

Full Range **2V Traction Cells**,
Complete **Traction Batteries**

Semi-Traction Monoblocks 6V, 8V, 12V

Lead-Acid Flooded, Lead-Acid Gel, Hybrid

Complete **Lithium-ion Battery Systems**,

Lithium-ion Low Motive Batteries



Forklifts



Floor cleaning equipment



Material handling equipment



Automated guided vehicles (AGVs)



Aerial work platforms

Product Range



DIN / BS MOTIVE POWER BATTERIES



DEEP CYCLE BATTERIES FLOODED AND GEL



LITHIUM-ION BATTERY SYSTEMS



CATL

EXCLUSIVE PARTNERS

EXIDE
TECHNOLOGIES

Lucas

SOLITE
TRACTION BATTERY

Unlimited Power
ROCKET
Since 1952 BATTERY

ENEROC

EXIDE
INDUSTRIES LIMITED


Sonnenschein

GNB
INDUSTRIAL POWER
A Division of Exide Technologies

 **Eternity**
TECHNOLOGIES

INCI GS YUASA

Product Range



STATIONARY ENERGY STORAGE



DEEP CYCLE BATTERIES FLOODED AND GEL



OPZS ENERGY SOLUTION



EXCLUSIVE PARTNERS



Product Range by Application



MOTIVE POWER BATTERIES

TUBULAR LEAD-ACID BATTERIES (PzS – PzB)

2V Flooded Lead-Acid (PzS-PzB) batteries are used for electric forklifts, reach trucks, order pickers, pallet trucks, pallet stackers, AGVs shortly all types of electric forklift applications which requires high level of power, long service life, maximum reliability and cyclic endurance.

VT INDUSTRIAL PzS-PzB batteries are recognised as the most cost-effective and well-proven quality solution at the highest technology integrating the European harmonization of the DIN and BS ranges which meets the the standards DIN/EN 60254 and IEC 254-2.



CELL TECHNOLOGY	VLA TUBULAR VENTED
PLATE TECHNOLOGY	+ TUBULAR SPINE PE GAUNTLET, - FLAT GRID
TERMINALS	BOLT-ON
CAUNTLET	NON-WOVEN WITH HIGH VOLUME POROSITY
ELECTROLYTE	30 °C: 1,29 ± 0,01 kg/l
LIFE CYCLES	UP TO 1500 @ 80 % D.O.D. At 27 - 30 °C
COMPLIANCES	EN60254-1 & EN60254-2 and IEC254-1 & IEC254-2

Lucas

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Product Range by Application



LITHIUM-ION MOTIVE POWER BATTERY SYSTEMS



ENEROC is a global leader in lithium battery solutions for forklifts, aerial work platforms, golf carts and construction vehicles, founded in 2018 and headquartered in Hangzhou, China. The main founding partners of ENEROC are CATL, the world's largest lithium cell manufacturer, as well as HELI and HANGCHA, the forklift manufacturers, and **VT INDUSTRIAL S.L.** as the exclusive partner for Spain, Portugal and Morocco.

ENEROC

CATL

Lucas

CELL PACK PRODUCER	CATL, the world's safest and most advanced LiFePO4 batter cells engineered and produced.
TELEMATICS MANAGEMENT SYSTEM	Remotely monitor battery status, collect and analyze data
SAFE AND RELIEABLE	4.000 + Cyclic Life (80 % Dod)

Product Range by Application



MOTIVE POWER BATTERIES

GEL BATTERIES (PzV)

Traction Gel Batteries (PzV) are valve-regulated systems which are specifically developed for electrical machine charging applications in the Pharmaceutical, Food, Chemical and similar industries for electric material handling machines due to the high operational safety, absence of liquid electrolyte, extreme low emission and high degree of environmental friendliness of the product range. Traction Gel Batteries (PzV) do not require maintenance and can work in below 0 °C temperature conditions as well.



Lucas

EXIDE
TECHNOLOGIES

SOLITE
TRACTION BATTERY

CELL TECHNOLOGY	VRLA TUBULAR
PLATE TECHNOLOGY	+ TUBULAR SPINE, - FLAT GRID
TERMINALS	INSULATED BOLT-ON , FM 10
ELECTROLYTE	SILICA GEL FORM
LIFE CYCLES	UP TO 1400+ @ 80 % D.O.D. At 27 - 30 °C
COMPLIANCES	EN60254-1 & EN60254-2 and IEC254-1 & IEC254-2

Product Range by Application



MOBILITY – SEMI-TRACTION BATTERIES

DEEP CYCLE FLOODED SEMI-TRACTION BATTERIES

VT INDUSTRIAL SL Deep Cycle Lead-Acid Battery range is designed for light and semi-traction applications along with an innovative design compatible with all universal cyclic applications such as **Pallet Trucks, Aerial Work Platforms and Floor Cleaning Machines.**

- EXTREME OPERATIONAL PERFORMANCE
- EASILY TO ACHIEVE 1000 CYCLE LIFE SPAN (IEC 60254)
- LOWEST SELF DISCHARGE AND LOWEST OWNERSHIP COST
- WIDE RANGE OF OPERATING TEMPERATURES
- COMPLETELY RECYCLABLE



TECHNOLOGY	DEEP-CYCLE FLOODED LEAD-ACID
TERMINAL	UTL, DUAL
IU CHARGING	"I = min. 12% C ₅ max. 18% C ₅ = 2.45 V per cell"
IUI CHARGING	"I ₁ = min. 12% C ₅ max. 18% C ₅ = 2.4 V per cell I ₂ = 1.5 % C ₅ for max. 4 hours
"LIFE CYCLE	UP TO 1000 cycles (IEC 60254)
COMPLIANCES	EN60254-1 & EN60254-2 and IEC254-1 & IEC254-2

DEEP CYCLE CARBON NANO GEL BATTERIES

Carbon Nanotube Technology delivers enhanced consistency of performance, improved charge acceptance and longer life versus conventional systems. The product range is suitable for all **motive, leisure, solar & network power applications: Electric Vehicles, Cleaning Machines Wheelchairs, Electric Working Platforms, UPS Systems, Traffic Systems, Telecommunications, Emergency Lighting, Caravans/Motorhomes RV's, Maritime, Solar, Renewable Energy and Home Invertors.**

- 100 % MAINTENANCE-FREE
- UP TO 2 X FASTER RECHARGE PERFORMANCE
- ULTRA-ENERGY EFFICIENT DUE TO LOW RESISTANCE
- +1500 CYCLES OF LIFE WITH REDUCED OPERATING TEMPERATURES
- INCREASED DESIGN LIFE FOR 12 TO 15 YEARS
- EXCELLENT HIGH-CURRENT PERFORMANCE FOR EXTREME CONDITIONS



TECHNOLOGY	NANOTUBE CARBON TECHNOLOGY
TERMINAL	M8 / AP / DU / ST / A POLE
IU CHARGING	"I = min. 12% C ₅ max. 30% C ₅ = 2.4 V per cell"
IUI CHARGING	"I ₁ = min. 12% C ₅ max. 40% C ₅ = 2.35 V per cell I ₂ = 1.5 % C ₅ for max. 4 hours"
LIFE CYCLE	UP TO 1500 cycles (IEC 60254)
COMPLIANCES	EN60254-1 & EN60254-2 and IEC254-1 & IEC254-2



Product Range by Application



MOBILITY – SEMI-TRACTION BATTERIES

DEEP CYCLE GEL SEMI TRACTION BATTERIES

Deep Cycle valve regulated Gel Batteries are preliminary designed for the light traction market for the golf carts, electrical vehicles, wheelchairs, floor cleaning machines and electric working platforms. With an innovative Gel-technology and maintenance free design, long cycle life and low self discharge rate Deep Cycle Gel Batteries are compatible with all universal cyclic applications.

- * GOOD HIGH CURRENT PERFORMANCE FOR EXTREME OPERATING CONDITIONS
- * 700 CYCLES (DIN EN 60254-1) (IEC 254-1)
- * AVAILABLE 45 TO 290 Ah (C₅)
- * LOWEST SELF DISCHARGE UP TO 2 YEARS SHELF LIFE
- * WIDE RANGE OF OPERATING TEMPERATURES
- * COMPLETELY RECYCLABLE



DEEP CYCLE CARBON NANO FLOODED SEMI TRACTION BATERIES

VT INDUSTRIAL Carbon Nano Tube technology delivers greater charge acceptance and longer life due to its deep discharge resilience versus conventional lead acid batteries. VT INDUSTRIAL Carbon Nano Flooded Batteries are compatible for deep cycle applications, have ultra energy efficiency due to low resistance, suitable for opportunity charging with up to 2 x faster recharge and suitable for extreme temperature variants.

TECHNOLOGY	NANOTUBE CARBON TECHNOLOGY
TERMINAL	UTL, DUAL
CHARGING	"I ₁ = min. 12% C ₅ , max. 40% C ₅ , 2.45 V per cell I ₂ = 6 % C ₅ for max. 4 hours"
LIFE CYCLE	UP TO 2 x cyclic life
COMPLIANCES	EN60254-1 & EN60254-2 and IEC254-1 & IEC254-2

Nominal Voltage	Capacity Ah (C ₅)	Capacity Ah (C ₂₀)	Group Size	Length (mm)	Width (mm)	Height (C) (mm)	Height (D) (mm)	Weight (kg)	Terminal
(V)	225	185	GC2	260	180	247	277	28	UTL
6	240	195	GC2	260	180	247	277	30	UTL
6	315	270	J305	308	174	339	365	40,5	DUAL
6	350	295	J305	308	174	339	365	44	DUAL
6	390	320	L16	308	174	388	416	48	DUAL
6	420	345	L16	308	174	388	416	50	DUAL
8	170	145	GC8	260	180	247	277	29	UTL
12	150	120	GC12	333	183	248	280	39	UTL

Lucas

SOLITE
TRACTION BATTERY

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TECHNOLOGIES

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AOKLY
POWER
奥克莱电源

Material Handling Industry



24V Battery System

for pallet jack and stackers



48V Battery System

for counterbalance forklift, reach-truck and tri-lateral forklift



80V Battery System

for heavy-duty counterbalance and lateral forklift



309V-750V Battery System

for heavy-duty forklift, reach stacker



Whom we serve



Which values we posses



Speed

Fast response, quick action and professional solution are the core foundational principles.

We believe that Customer Service landscape is not only the quality of the service, but also about speed and efficiency too...



One Stop Solution

A broad service and battery supply offering in one **place to minimize the financial , operational and supply load on our clients and to enable to increase the profitability of our cooperation.**

Quality

There are many definitions but quality means “ **the standard of something as measured against other things of a similar kind; the degree of excellence of something** “ for all of us.



COMMUNICATION

PROJECT MANAGEMENT

ANALYTICAL SKILLS

PROBLEM SOLVING

TEAMWORK

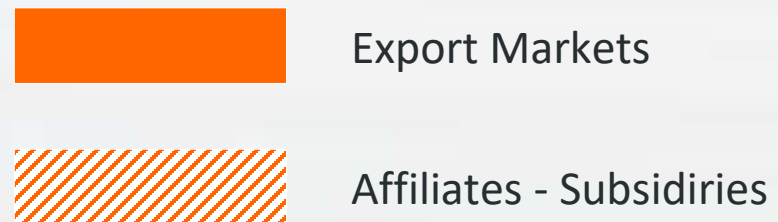
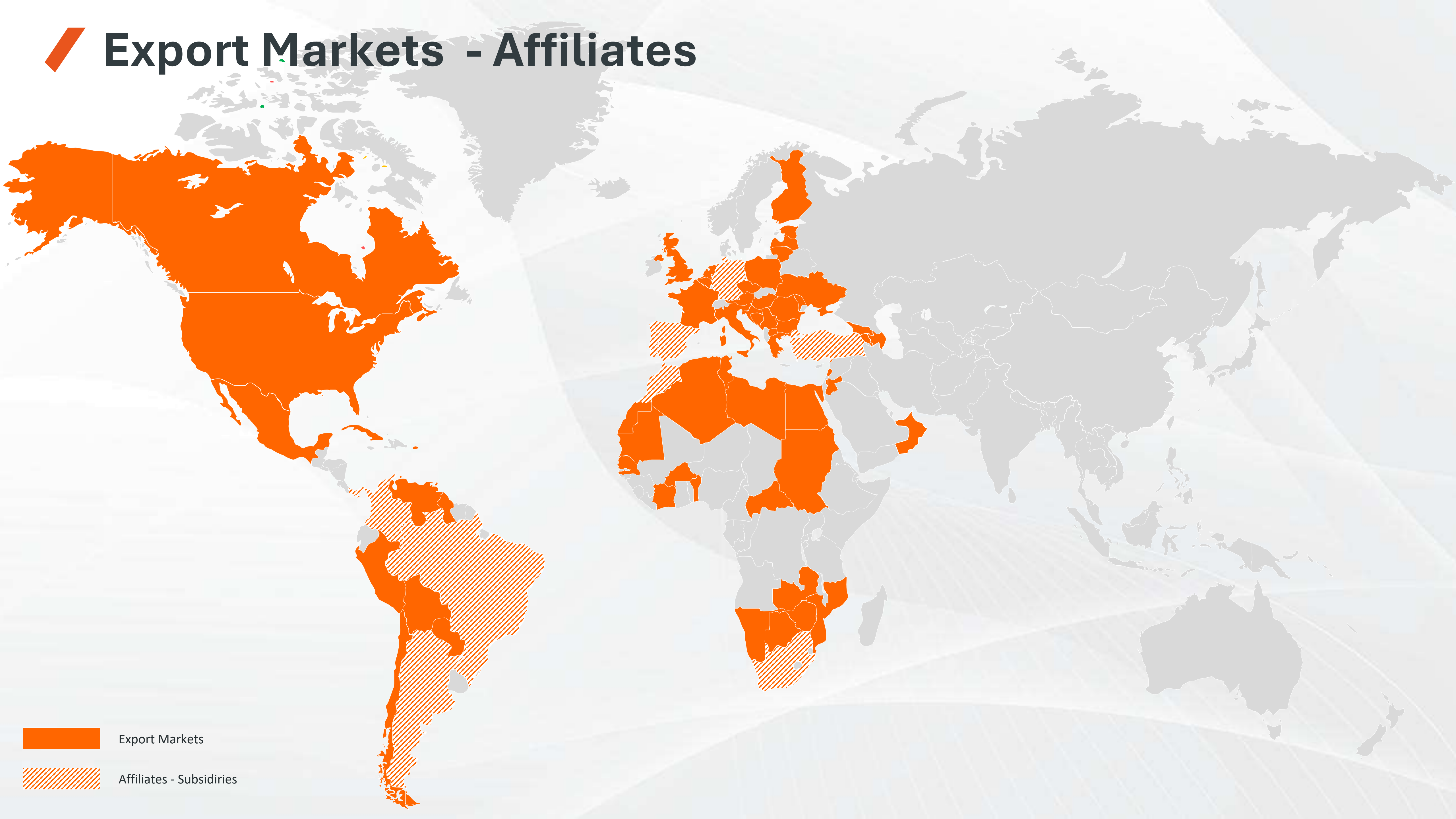
LEADERSHIP

CUSTOMER
RELATIONSHIP

COMMITMENTS

COLLABORATIVE
WORKING

Export Markets - Affiliates



Continuous Service Improvement



Customer Focus is our core strategy, and we make every effort to improve our service operation excellence. Driven by customer experience, we have established a complete closed-loop procedure of service plan, delivery, measurement, analysis and enhancement, making your voice heard, acted on and reported back.



David Hernandez Sobrino
Founding Partner

“

B2B business developer team of today is likely to be more **agile, data-driven and customer-centric** than ever before.

We all need to think strategically and understand how our marketing efforts align with broader business goals and objectives. This includes understanding market dynamics, competitive landscapes and industry trends.

”

Our Service & Support Portfolio



24/7 Help Desk



Remote Technical
support



Onsite Repair



Spare Parts Service



System Maintenance
& Upgrade



Service Packages



Preventive
Maintenance



Training & Certification

THANK YOU



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