



Kowint Energy

Business Model

Your green energy manufactory

www.kowint.com

KOWINT Development Roadmap



2014

BMS Development



230V battery for DPS



2019

ISO9001/ISO14001 certification
W5000,R5000
UPS battery 192V/384V



2022

200,000 m²
Industrial park



2025

5Gwh
Establishing a sound service
system for EU, USA.

2017

IATF-16949

2021

Super- Li



2023

Power Matrix
iCharger
Energon



CERTIFICATES



Examination Certificate of SiCT

CERTIFICATE of Conformity
Directive
Electromagnetic Compatibility Regulations

Certificate No.: XK230015080

Applicant : Kowint Energy(ShenZhen)Co., Ltd
1709, Office Building 3B, Vanke Times Square, No. 85, Longcheng Avenue, Shangjing Community, Longcheng Street, Longgang Dist., Shenzhen, Guangdong, P.R. China

Manufacturer : Rui Zhi Xin Neng Yuan (Hu Zhou) Co., Ltd
Kuangji Industrial Park, Yuh Road, Sanhe Street, Huiyang District, Huizhou, Guangdong 516213, China

Product : Energy Storage Module

Model/Type No. : R5000, R5000-ST, R5000-STW, R5000-SS, R5000-S5W

Brand Name :

Test Standard : EN IEC 61000-4-3:2012
EN IEC 61000-4-1:2019
EN IEC 61000-3-2:2014+A2:2021
EN IEC 61000-3-2:2014+A1:2021

The certificate of conformity is based on an evaluation of a sample mentioned product. Technical report is at the applicant disposal. This is the tested sample that is in conformity with the regulatory/technical Compatibility Regulations 2016 in relation to England and Wales. It is only valid in connection with the test report number XK230015080.

The certificate does not imply the assessment of the production process using the SiCT's logo without permission.

UK CA

Authorized Signer: Andy Yao
Date: March 13, 2023

Shenzhen SiCT Technology Co., Ltd.
202, Building 3, No. 111 Huangqian Middle Road, Songmian Community, Guanghe Street, Longgang District, Shenzhen, Guangdong, China
E-mail: info@siictlab.com Tel: +86 755 8528 0000

Examination Certificate of SiCT

CERTIFICATE of Conformity
EC Council Directive 2014/53/EU

Certificate No.: XK 2300130100

Applicant : Kowint Energy(ShenZhen)Co., Ltd
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E-mail: info@siictlab.com Tel: +86 755 8528 0000

ENVIRONMENTAL MANAGEMENT SYSTEM CERTIFICATE

Certificate No.: 18722E1245R05

We hereby certify that
Kowint Energy(ShenZhen)Co.,Ltd

Unified social credit code: 91440300MASH6GY9PC

Registered Address: 1709 3B, Vanke Times Square, No. 85 Longcheng Avenue, Longgang District, Shenzhen China

Operating/production/processing Address: 1709 3B, Vanke Times Square, No. 85 Longcheng Avenue, Longgang District, Shenzhen China

the established environmental management system compliance with the follow GB/T24001-2016 idt ISO14001:2015

The range of certifications passed is:
R&D and sales of energy storage lithium batteries

Date of issue: November 01, 2022
Date of expiry: October 31, 2025

Issued by:

SHENZHEN SHENGA INTERNATIONAL CERTIFICATION CO., LTD
Address: NO. 108, Building 1, Nengji Wanglecheng, Honghua North Road, Guangming Community, Guangming District, Shenzhen
Registration and its relevant information is open to the website of Certification and Accreditation Administration of the People's Republic of China (www.cnca.gov.cn)

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Zertifikat Certificate

Zertifikat Nr. Certificate No. R 50372301
Blatt Sheet 0001

Der Zekhen Client Reference 1.68393676
Unser Zekhen Our Reference 02--CN218X9L 001
Ausstellungsdatum Date of Issue 17.01.2023

Genehmigungsinhaber License Holder Kowint Energy (ShenZhen) Co., Ltd
1709, Office Building 3B, Vanke Times Square, No. 85, Longcheng Avenue, Shangjing Community, Longcheng Street, Longgang Dist., Shenzhen, Guangdong P. R. China

Fertigstellungs Manufacturing Plant Refer to latest revision of the annex list of factories

Prüfkategorie Test Mark

Geprüft nach Tested acc. to IEC 62619:2022
EN IEC 62619:2022

Zertifizierten Produkt (Certificate/Marking) Lithium-ion battery (Lithium battery module)

Typenbezeichnung Type Designation : 1) W5000-ST, 2) W5000-STW, 3) W5000-SS, 4) W5000-S5W

Ratings : 1) 2) 3) 4) 5) 6) 7) 8) 9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21) 22) 23) 24) 25) 26) 27) 28) 29) 30) 31) 32) 33) 34) 35) 36) 37) 38) 39) 40) 41) 42) 43) 44) 45) 46) 47) 48) 49) 50) 51) 52) 53) 54) 55) 56) 57) 58) 59) 60) 61) 62) 63) 64) 65) 66) 67) 68) 69) 70) 71) 72) 73) 74) 75) 76) 77) 78) 79) 80) 81) 82) 83) 84) 85) 86) 87) 88) 89) 90) 91) 92) 93) 94) 95) 96) 97) 98) 99) 100)

Spannung Voltage range : 1) 2) 3) 4) 5) 6) 7) 8) 9) 10) 11) 12) 13) 14) 15) 16) 17) 18) 19) 20) 21) 22) 23) 24) 25) 26) 27) 28) 29) 30) 31) 32) 33) 34) 35) 36) 37) 38) 39) 40) 41) 42) 43) 44) 45) 46) 47) 48) 49) 50) 51) 52) 53) 54) 55) 56) 57) 58) 59) 60) 61) 62) 63) 64) 65) 66) 67) 68) 69) 70) 71) 72) 73) 74) 75) 76) 77) 78) 79) 80) 81) 82) 83) 84) 85) 86) 87) 88) 89) 90) 91) 92) 93) 94) 95) 96) 97) 98) 99) 100)

Maximaler Ladungs/Entladungsstrom Maximum charging/discharging current 95A

Ladungstemperatur Charging temperature range : 0 to 50°C

Entladungstemperatur Discharging temperature range : +20 to 60°C

Remark: 2) and 4) are equipped with heating function.

ANLAGE (Appendix): 1_0

Zertifizierungsstelle

Authorized Signer:

Date: March 13, 2023

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202, Building 3, No. 111 Huangqian Middle Road, Songmian Community, Guanghe Street, Longgang District, Shenzhen, Guangdong, China
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EC Council Directive 2014/30/EU

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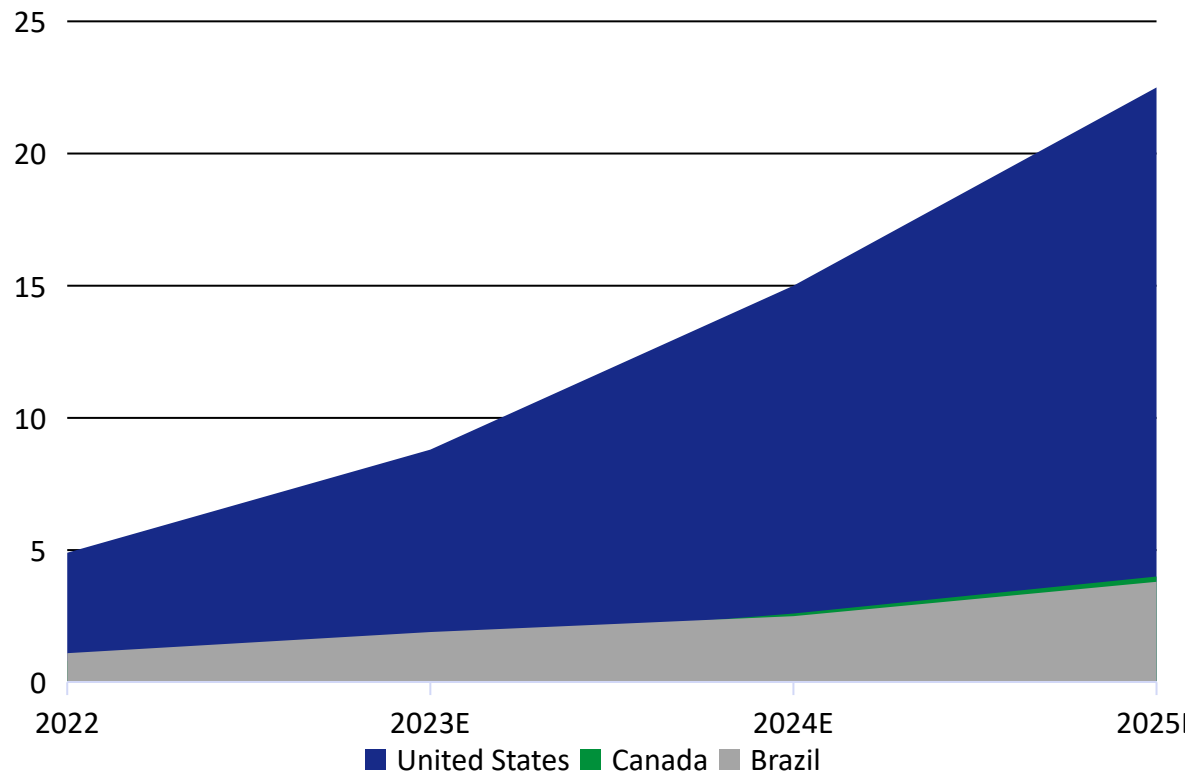
Shenzhen SiCT Technology Co., Ltd.
202, Building 3, No. 111 Huangqian Middle Road, Songmian Community, Guanghe Street, Longgang District, Shenzhen, Guangdong, China
E-mail: info@siictlab.com Tel: +86 755 8528 0000

TUV, Third-party authority certification

EURO: ICE62619/62620 CE UKCA

US: UL1973 UL9540 CEC

US Market Capacity Analysis



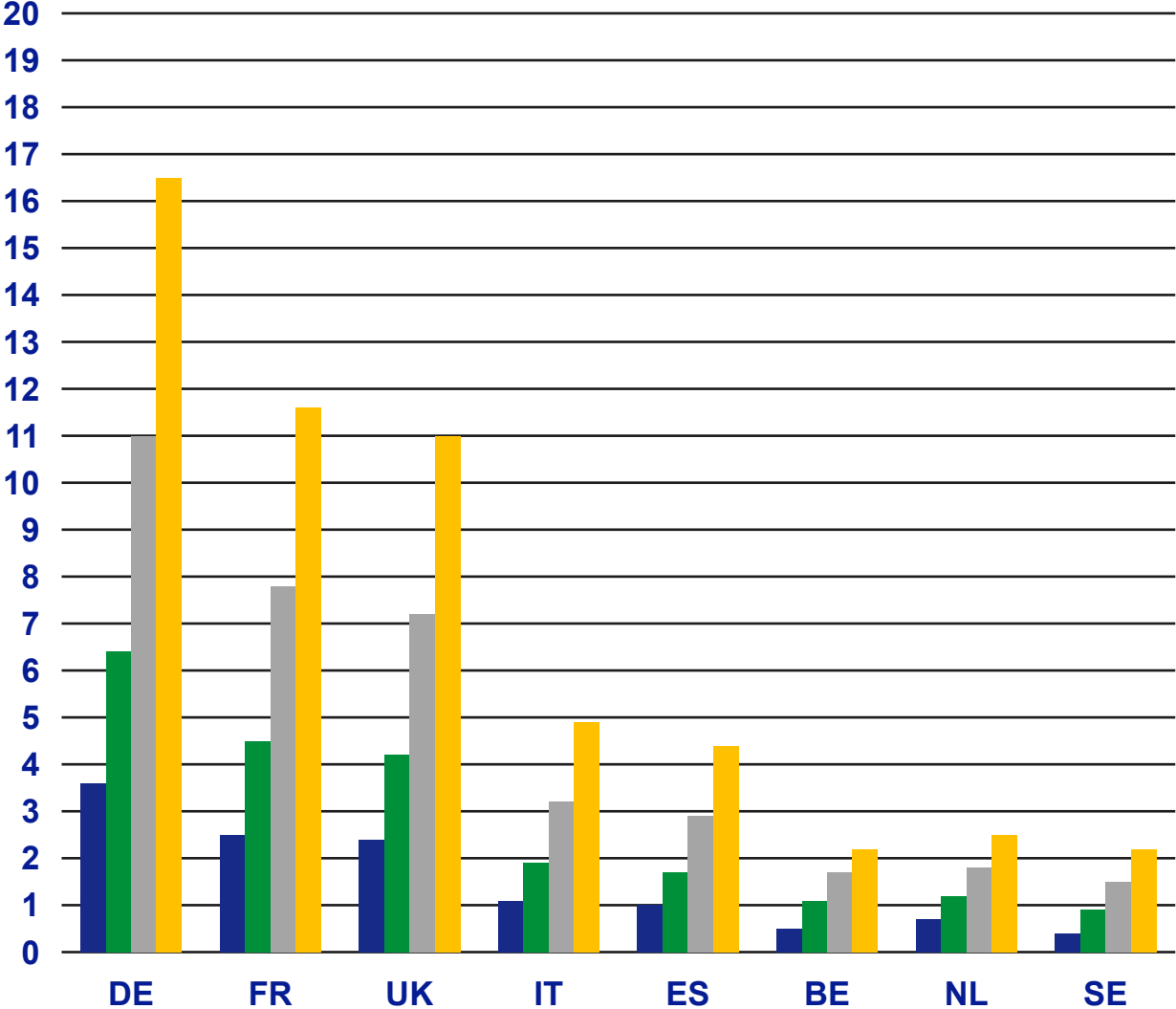
4.5 The American market is expected to grow 4.5 times by 2025.

80% USA is expected to see an increase of more than 80%

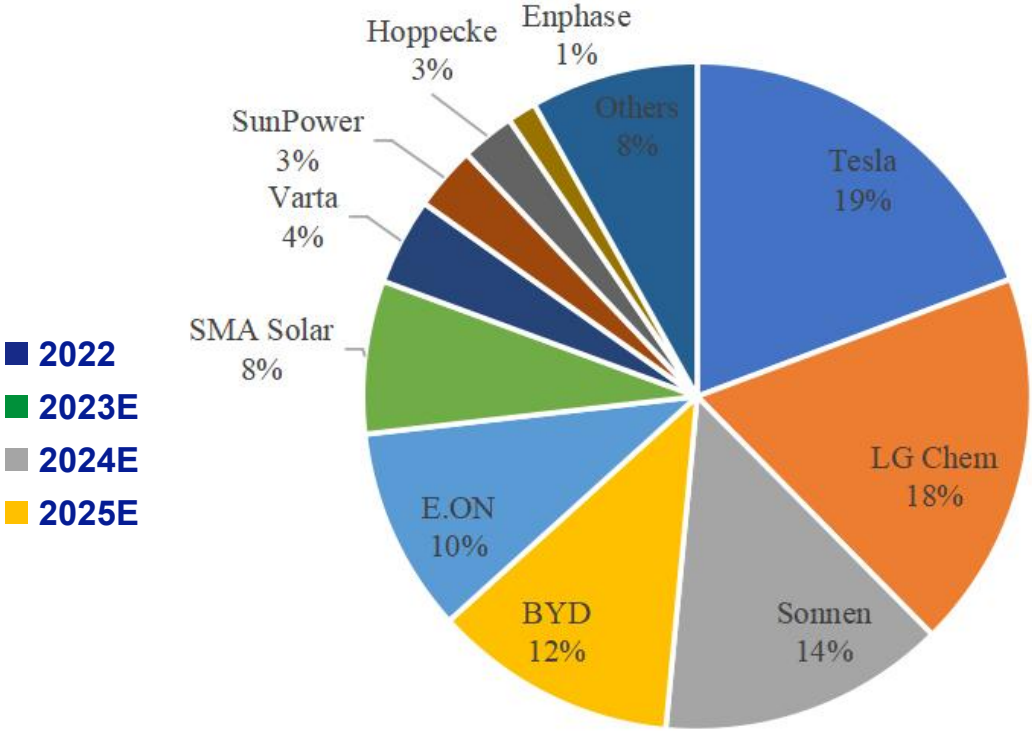
USA USA still has the largest

EU Market Capacity Analysis

Market Volume



EU Main Players

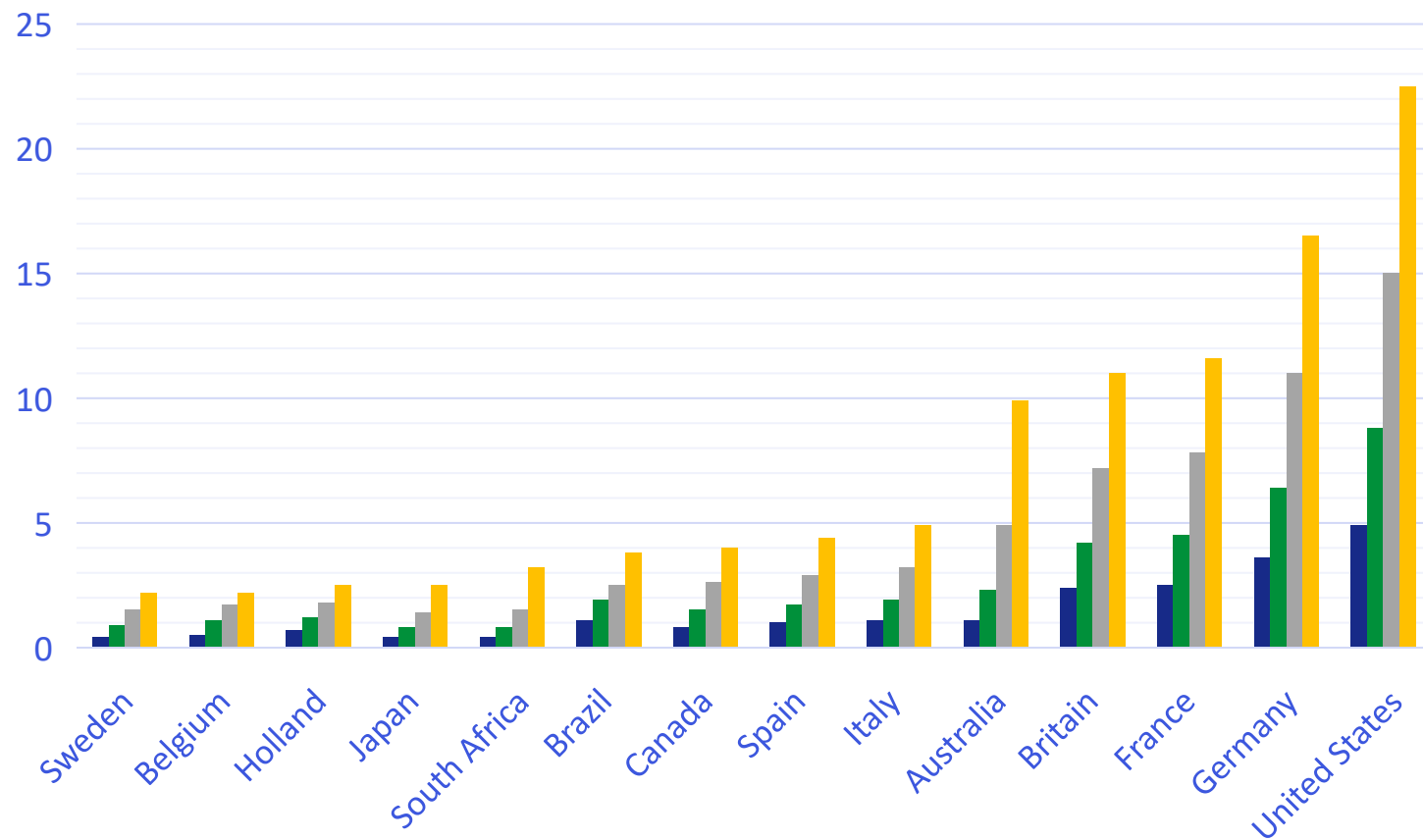


Competitive Landscape & Development direction

Development Trend



■ 2022 ■ 2023E ■ 2024E ■ 2025E



The United States

The United States is the largest market of all countries.

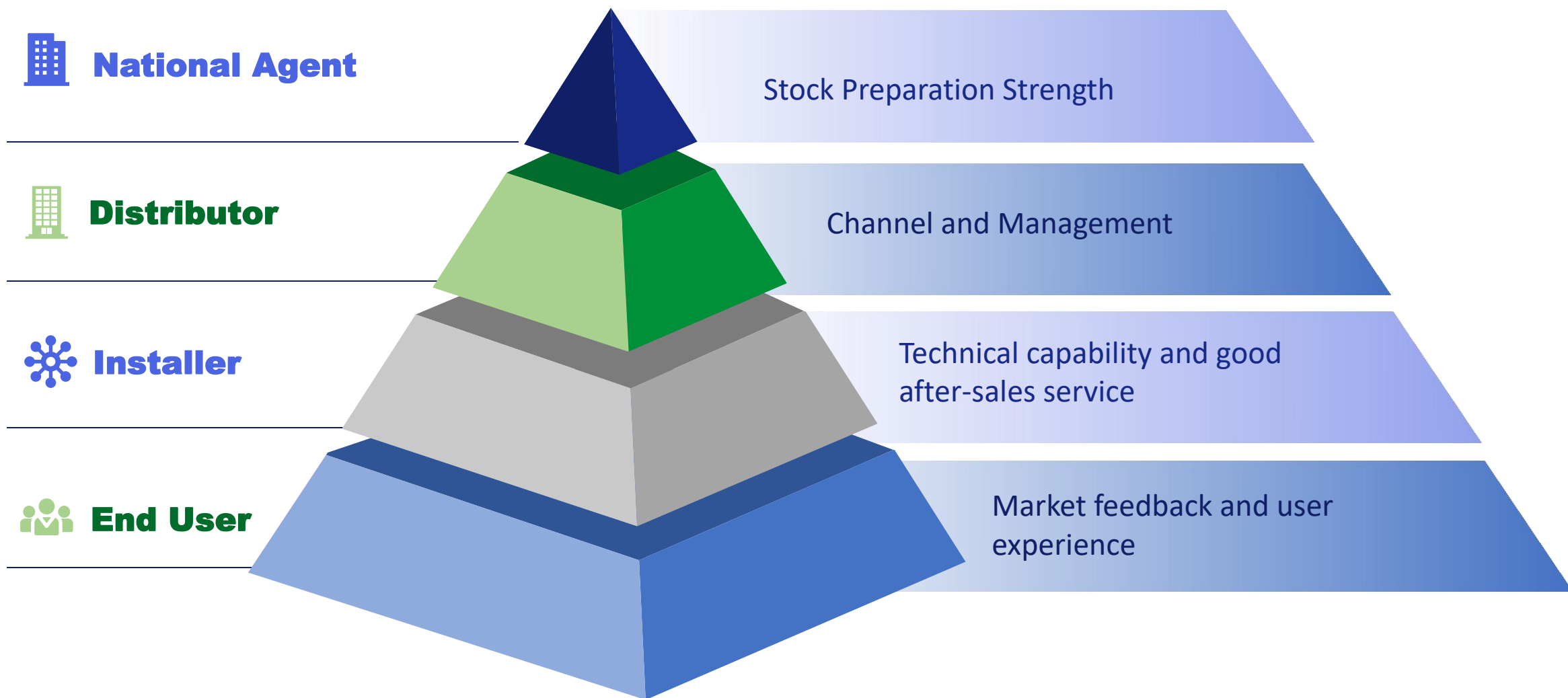
Germany

Germany is the largest market in Europe.

South Africa & Sweden & Australia

Australia, South Africa and Sweden are the three countries expected to double their growth from last year.

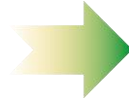
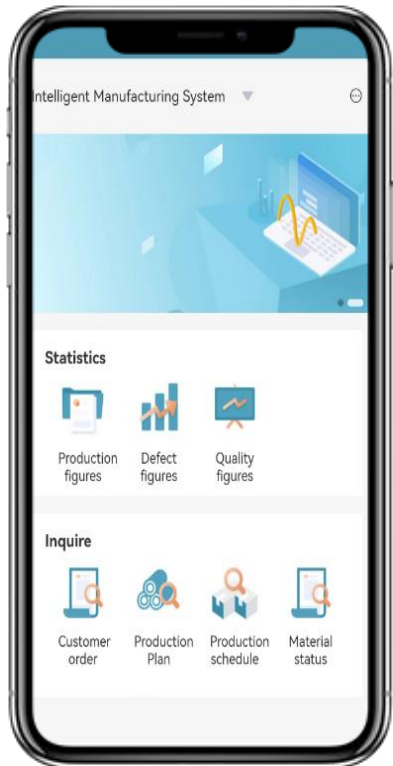
Cooperation Model



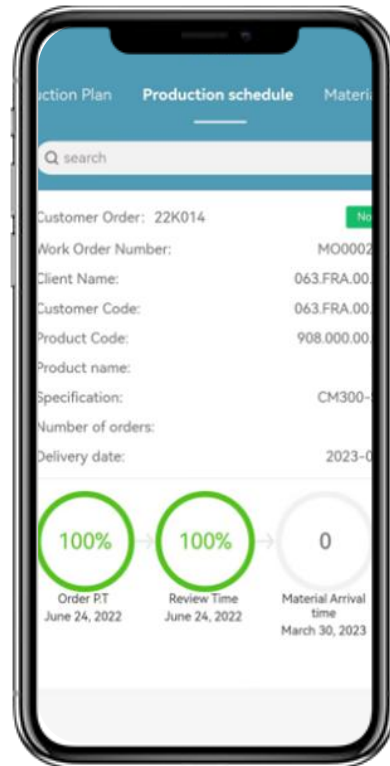
MES (Manufacturing Execution System)



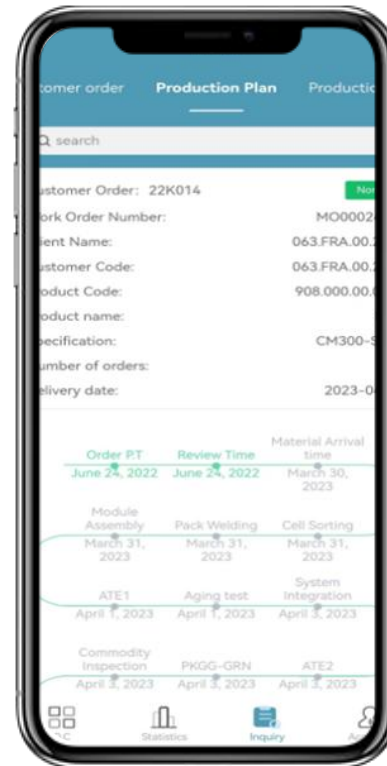
01



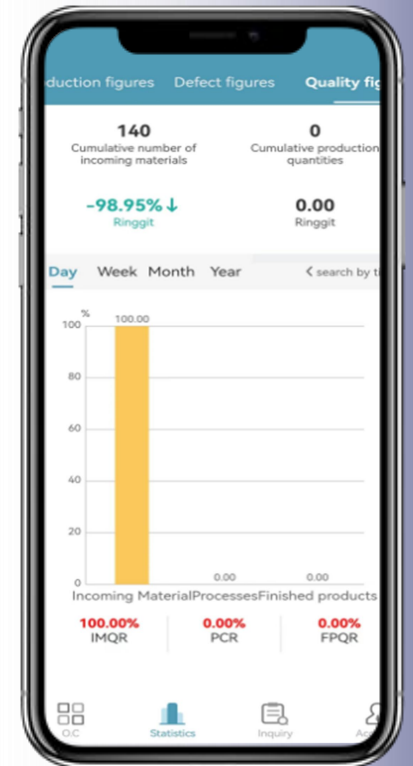
02



03



04



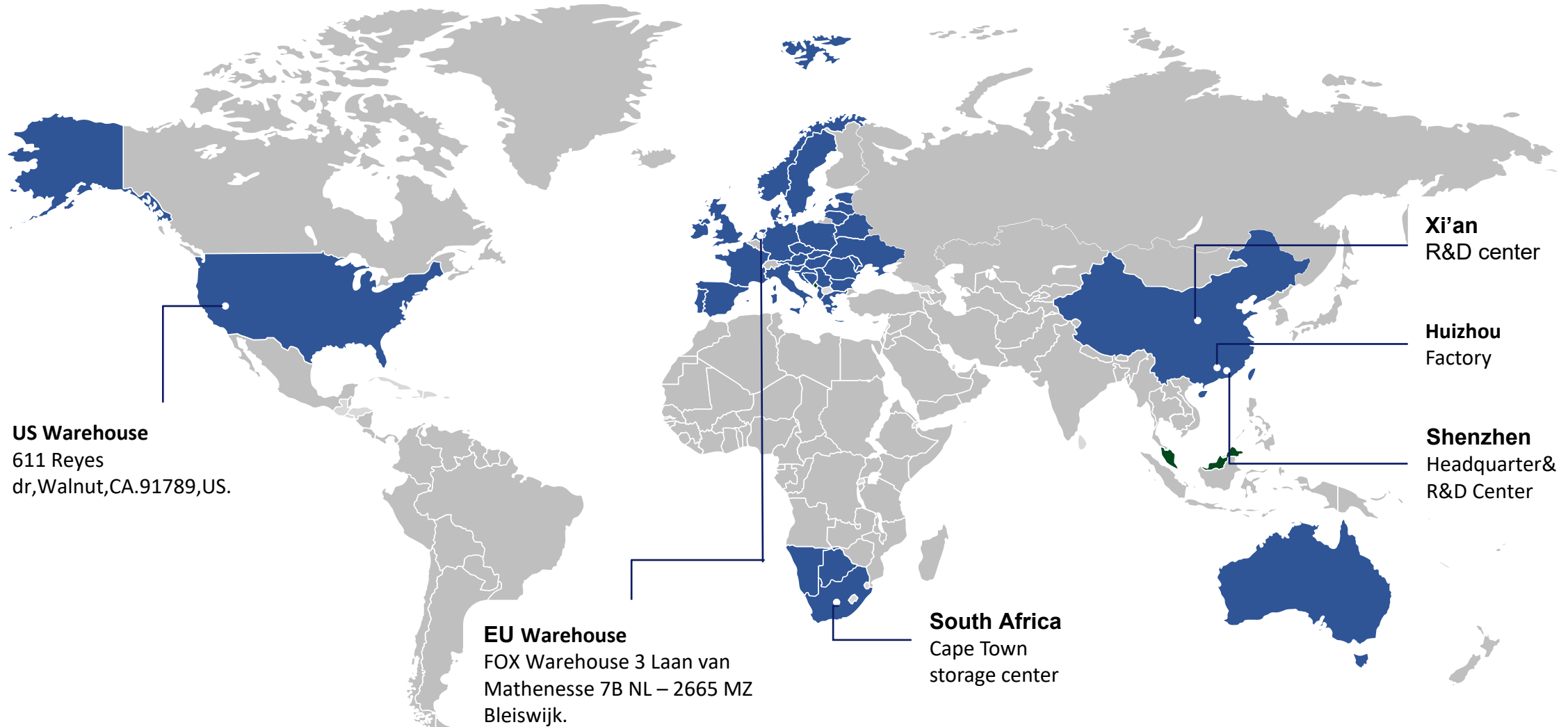
Production process informatization

Improve product quality

Improve production efficiency

Product information traceability to reduce defective products

KOWINT Main Business in 2023










Main Products



	Low voltage			High voltage	
Product Name	R5000	W5000	S40K-L	Power Matrix	R40KL
Picture					
Capacity	5.12-163kwh	5.12-163kwh	5.12-163kwh	10.24-20.48kwh	20.48kwh
Mounting	Rack	Wall	Stack	Stack	Cabinet
Compatible inverter brands					

Main Products



Product Name	Icharge-EV	Energon		
Picture				Cycle life \geq 6000 times
Capacity	25.6kwh	161kwh		10 years warranty
Mounting	All in one	All in one		Multiple parallel
Compatible inverter brands	Built-in inverter	Built-in inverter		Accessible cloud platform
				Self-developed BMS

Short-term Profit Analysis



What KOWINT can provide in advance	How to save	How much you can save
1-month marketing promotion costs	Save promotion costs and turn them into profits	\$6000
Comprehensive and professional training system	(20 times*3hr*\$70/hr)	\$4200
After-sales support: remote upgrade, operation, and maintenance	(2000pc*3% defect rate*\$105 labor cost+\$500 travel cost/time)	\$36300
Cloud platform: consumer group management annual cost	/	\$1200
Authorized installers: joint venture to open an offline licensed shop annual cost	/	\$8000

Total Save: \$55,700

Supporting Terms

	Supporting content	Country agent	Distributor	Installer
Market protection policy	Maintain all levels of agent price and regional agent	√	√	√
Business support	Product price support	Exclusive prices for regional agents	Exclusive price of secondary agency	Exclusive price of Installer
	Payment support	50%Prepayment/50%Before delivery	50%Prepayment/50%Before delivery	50%Prepayment/50%Before delivery
Sale support	Local warehouse small batch samples support	√	√	√
	Product advantages and sales skills training	Local training specialist training	Regular online training	Training videos and materials
	Prioritize production and delivery	√	√	×
	Provide additional stock support and settle the payment upon arrival	30% extra stock, payment after arrival of 1 month	20% extra stock, payment after arrival of 1 week	×
	Local business managers provide business development services	2 full-time business managers	1 mobile business manager	×
	Priority to provide new product testing and agent qualification	√	×	×
Technical support	MES system free trial	√	√	×
	The cloud platform system is free to use	Perpetual free	Free for a limited time	Free for a limited time
	Product installation and problem diagnosis training	Local training specialist training	Regular online training	Training videos and materials
	Local FAE support	2 full-time local FAE	1 mobile FAE	Professional FAE remote support
Marketing support	Official website listing and official media promotion	√	√	√
	Billboards, magazines, television marketing	√	√	×
	Set up a user experience center	Brand owners set up user experience centers	Set up a joint venture user experience center	Free to join, provide operational guidance
	Exhibition support	√	×	×
	Resource integration, all inquiries and demands of the agent region are pushed to partners	√	√	×

Short-term Profit Analysis



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Authorized installers: joint venture to open an offline licensed shop annual cost	/	\$8000

Total Save: \$55,700

Long-term Profit Analysis



Preferential agency rights for all front-line products: as the agent level rises, you can get more price support and higher product profits.

Distribution Agent Example

R5000	Cost	Selling Price	Unit Profit	Quantity	Total Profit	Profit Rate(%)
	Battery unit cost: \$1000/Set					
	Freight+Custom fees etc.: \$75/Set	\$1176/Set	\$101/Set	2000 Sets	\$257700 (202000+55,700)	12%
	Total: \$1075/Set					

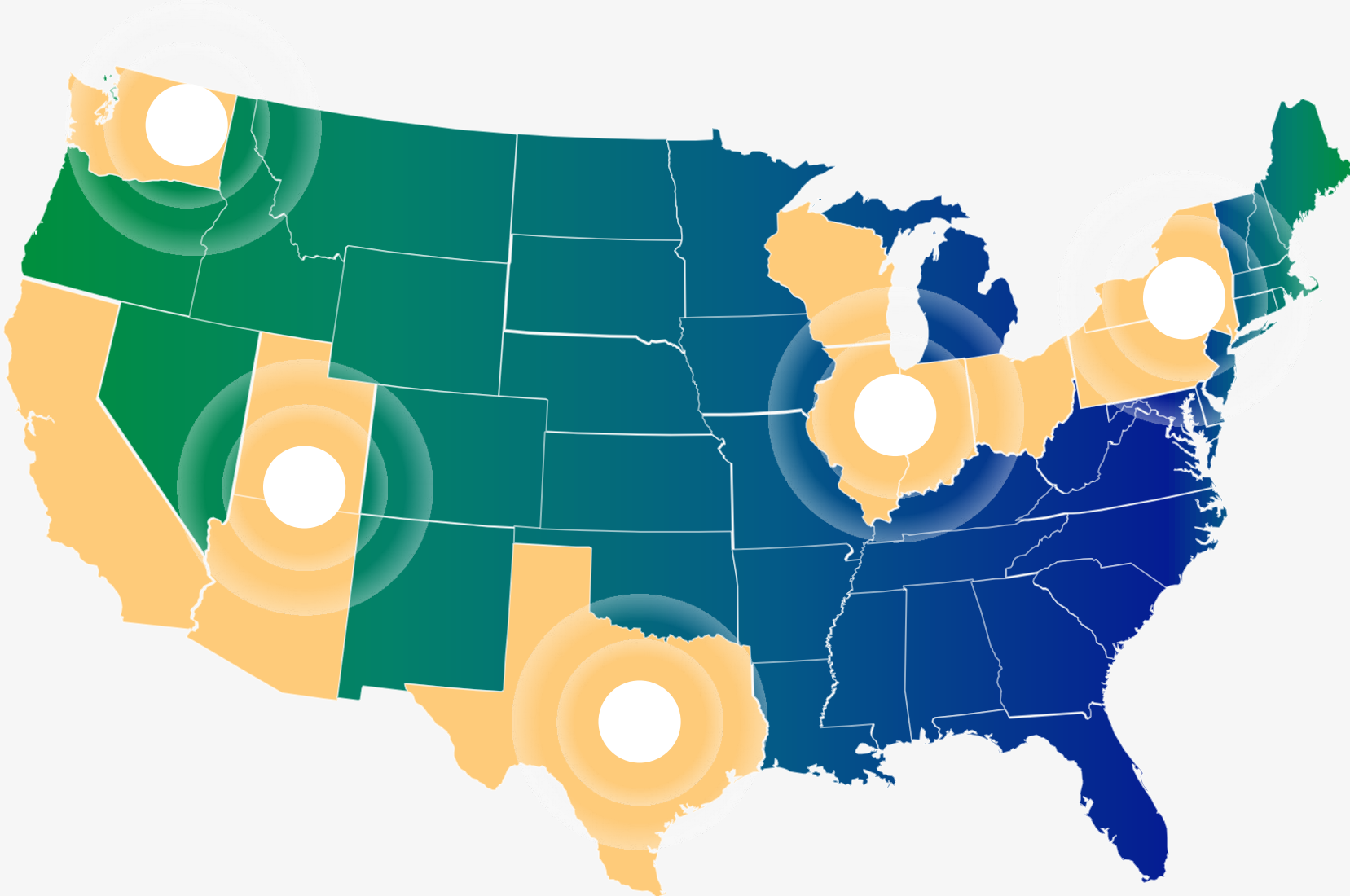


KOWINT has the full matrix of product R&D capabilities in the area: residential energy storage, automotive storage and charging system, UPS, micro grid energy storage.



Stable customer resources (privileged installers + tier 1 agents): Inquiries and resource integration.

Partnership



Investment Map

