



PITTAR

INTERNATIONAL GROUP

SHENZHEN • CHINA



Shenzhen Pittar Power Co., Ltd.

深圳市瑞芯路由科技有限公司

Jiangmen Leien Battery Technology Co., Ltd.

江门雷恩电池科技有限公司

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Company Introduction

Company Profile

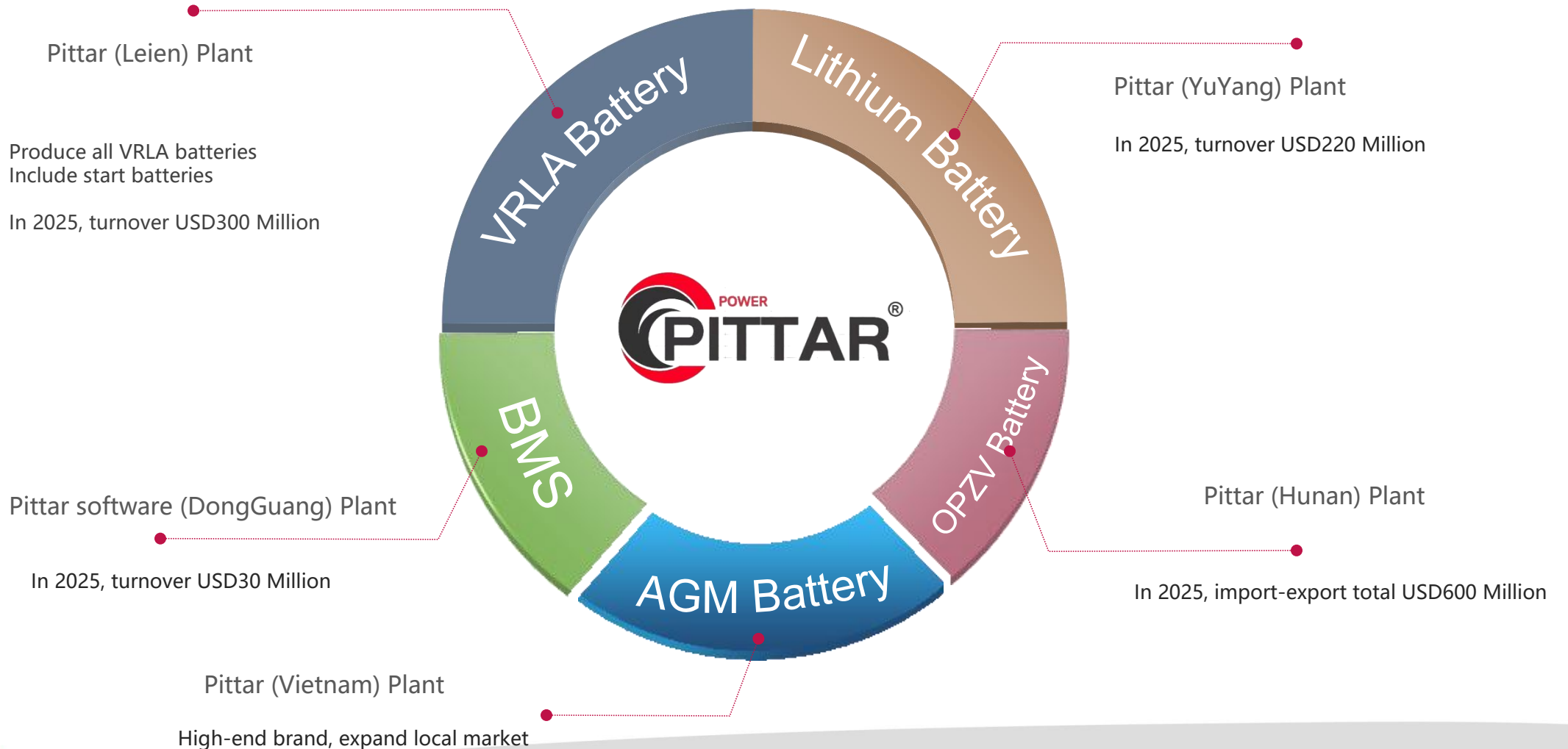


PITTAR POWER is established in May 2002. The company is headquartered in Shenzhen, China, and has manufacturing facilities in Shenzhen and Hengyang, Hunan Province. It has approximately 2,000 employees, 23 production lines, producing 12 series and over 300 models of products, and with annual production of over 9 million KVAH.

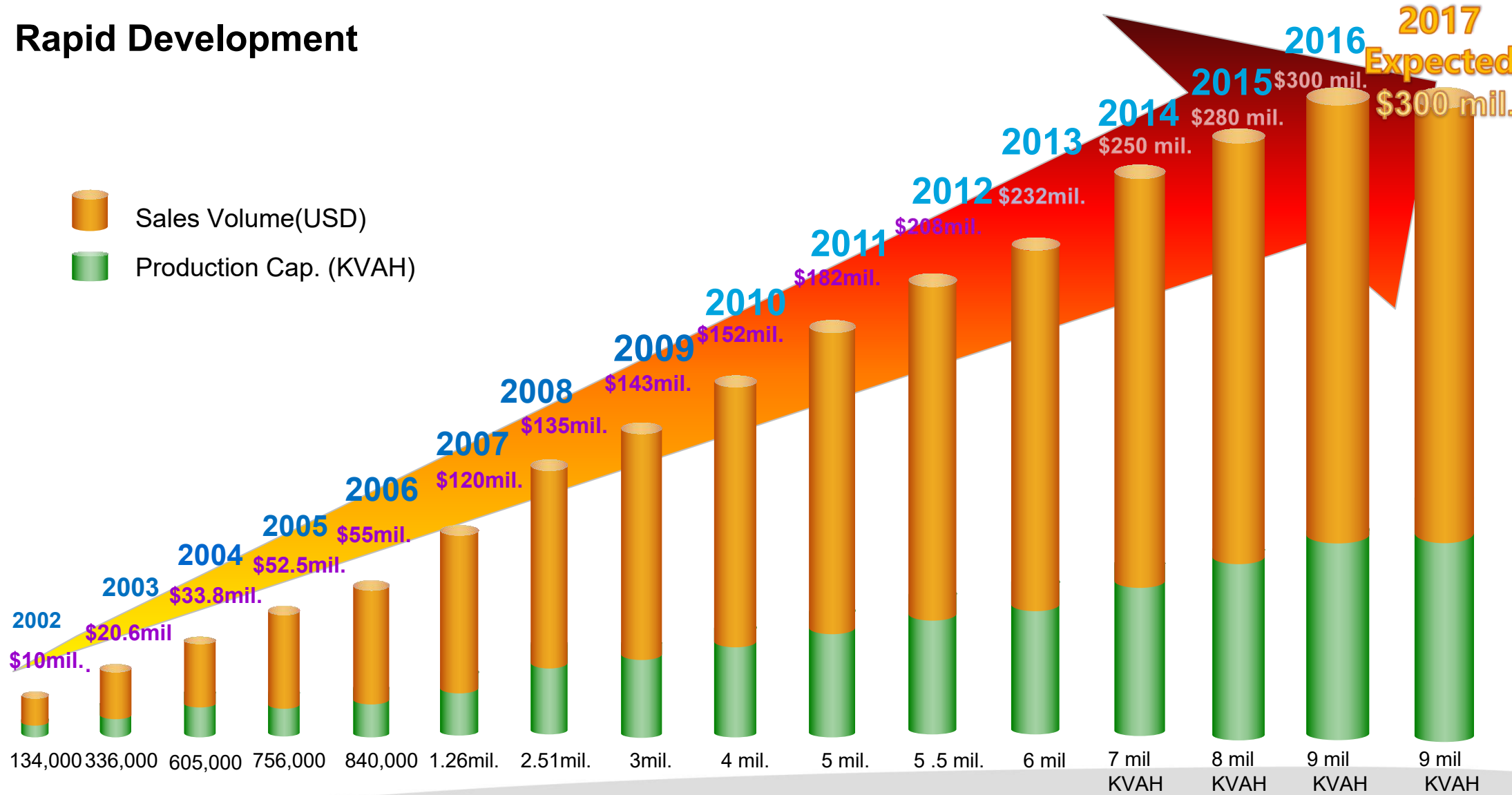
PITTAR POWER are the first public company in US Nasdaq stock market with 5 years foundation only. The sales volume jumped from \$2M to \$120M through the first 5 years (2002–2007) due to quality, tech and service. From 2008, Pittar is always keeping growing stably. Our target is \$500 million within further 5 years.



Pittar Group Industry



Rapid Development



Pittar Shenzhen Industrial Park



19,326 square meters

Pittar Industrial Park Phase 1,2

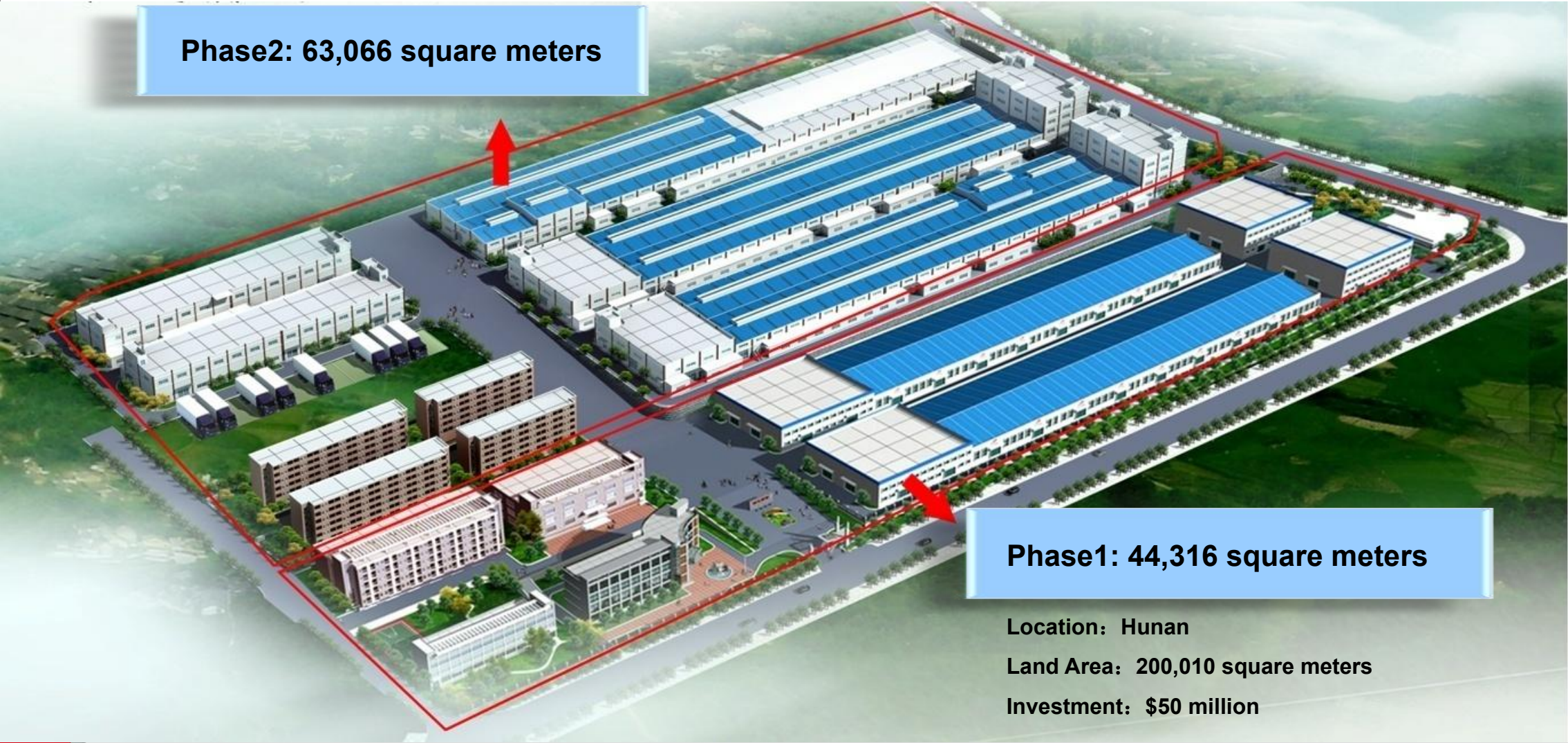
Phase2: 63,066 square meters

Phase1: 44,316 square meters

Location: Hunan

Land Area: 200,010 square meters

Investment: \$50 million



Production Lines- Plate Production



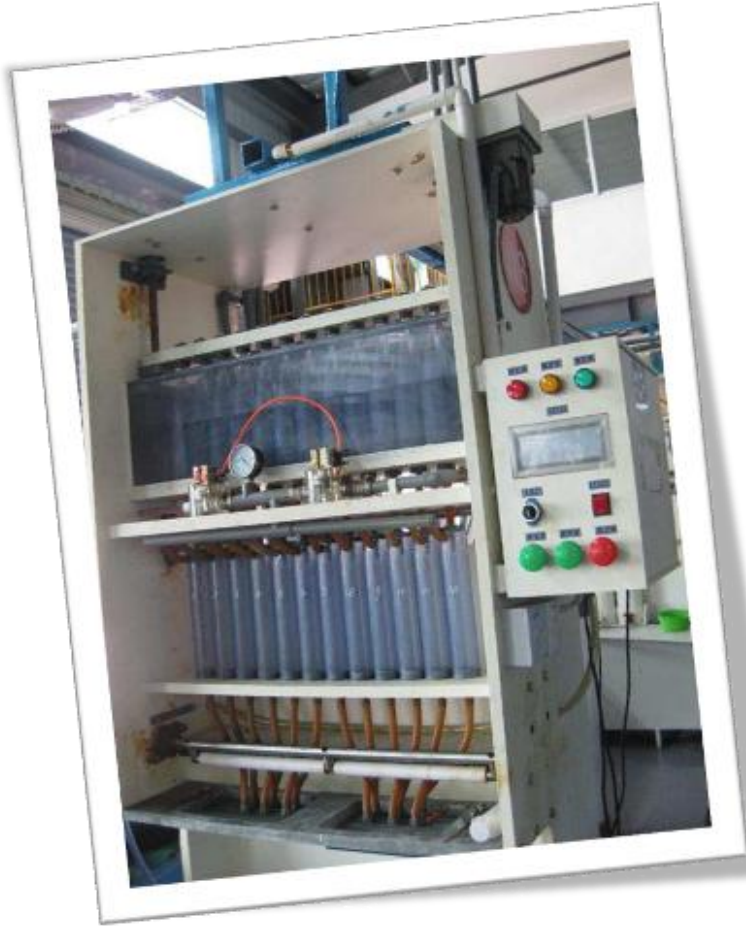
Production Lines- Automated Plate Stacking



Production Lines- Automatic Welding



Production Lines - Auto Fill in Acid



Production Lines - Charging /Discharging Area



Testing Center



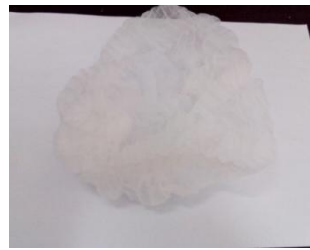
Pittar Industrial Park - Environmental Protection Facilities



Pittar Industrial Park - Environmental Protection Facilities



Well Occupational Disease Prevention

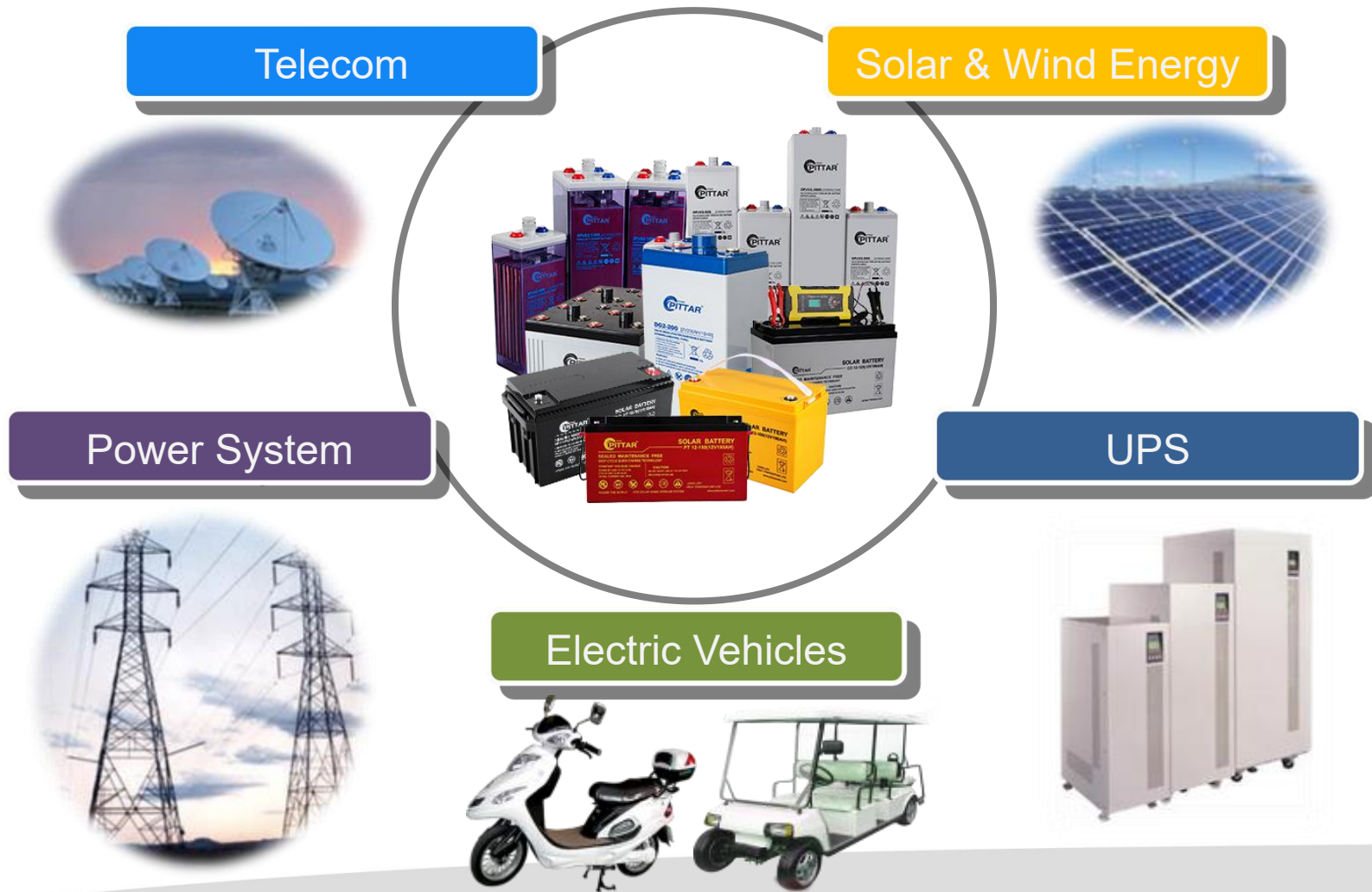


**Established
Personal Hygiene
Assist Facility &
Supply personal
protect appliance
and expelling lead
Food.**

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Product Introduction

Applications



Pittar Product Series

1. OPzV Series
- 2 . OPzS Series
- 3 . DG series
- 4 . RT Series
- 5 . RA Series
- 6 . RL Series
- 7 . EV Series
- 8 . FT Series
- 9 . DC Series
- 10.HR Series
11. HT Series
12. Traction Batteries

OPzV Series

Tubular plates with Gel electrolyte

Applications

- ❖ Solar/Wind Powered Systems
- ❖ IT/ Telecommunications
- ❖ Electric Vehicle
- ❖ Floor Machines
- ❖ Marine, Touring Coach
- ❖ Power Storage Plant
- ❖ UPS
- ❖ Security / Emergency lighting



OPzS Series

Flooded Tubular Battery

Applications

- ❖ Photovoltaic/Wind Power
- ❖ Traction Forklifts, Lifting Platforms
- ❖ Traction electric vehicles
- ❖ Electric cars



DG Series

Gel Deep Cycle battery for frequent cyclic discharge applications under extreme temperature

Applications

- ❖ UPS
- ❖ Emergency System
- ❖ Control System
- ❖ Telecommunications
- ❖ Communications system
- ❖ Solar Powered Systems
- ❖ Wind Powered System



RT Series

General purpose battery
Capacity ≤ 28AH

Applications

- ❖ UPS
- ❖ Emergency Lightening
- ❖ Control Systems
- ❖ Medical Equipment
- ❖ Electric Toy/Electric Tool



RA Series

General purpose battery
Capacity 33AH~260AH

Applications

- ❖ UPS
- ❖ Power Tools
- ❖ Telecom Systems
- ❖ Control Systems
- ❖ Solar Powered Systems
- ❖ Communications Systems



RL Series

General purpose battery
Capacity :200~3000AH 2V

Application

- ❖ UPS
- ❖ Emergency System
- ❖ Control System
- ❖ Telecommunications
- ❖ Communications System
- ❖ Solar Powered Systems
- ❖ Wind Powered Systems



EV series

Electric Vehicle series
for frequent deep cycle discharge:
Deliver more than 300 cycles at 100% DOD

Applications

- ❖ Electric Vehicles
- ❖ Electric Motorcycles
- ❖ Wheelchairs
- ❖ Golf Cars



FT Series

Front Terminal type

Applications

- ❖ UPS
- ❖ Emergency System
- ❖ Control System
- ❖ Telecom Systems
- ❖ Communications Equipment
- ❖ Solar Powered Systems
- ❖ Wind Powered Systems



DC Series

AGM Deep Cycle type

Applications

- ❖ UPS
- ❖ Solar Powered Systems
- ❖ Wind Powered Systems
- ❖ Golf Cars & Buggies
- ❖ Electric Power System
- ❖ Telecommunications
- ❖ Communications system



HR Series

High Rate Discharge type

Applications

- ❖ UPS/EPS
- ❖ Electric Tools
- ❖ Medical
- ❖ Telecommunications
- ❖ Communications systems
- ❖ Security systems



HT Series

High Temperature type

15-18 years design life

Applications

- ❖ UPS
- ❖ Solar Powered Systems
- ❖ Wind Powered Systems
- ❖ Golf Cars & Buggies
- ❖ Electric Power System
- ❖ Telecommunications
- ❖ Communications system



Traction Batteries

Flooded Tubular Battery

Applications

- ❖ Traction Forklifts, Lifting Platforms
- ❖ Traction electric vehicles
- ❖ Electric cars
- ❖ Cleaning machines
- ❖ Mine or tunnel electric locomotives



PzS/PzB Series



Explosion-proof Series

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R&D Advantages

R&D Advantages



Pittar R&D center gathers a large number of industry elite including two professors and a dozen senior engineers who have rich experience in renowned battery companies. Chief engineer Dr. He gang has 50 years Battery researching experience. The R&D team was sent to top chemical university to study regular to catch up updated tech for battery.

R&D Advantages

OPZV Tubular Gel Batteries

The company's core proprietary technology to improve the battery life, high-current deep cycle discharge stability during battery movement and performance.

Lead Carbon Super Battery

The company's core technology, products have been identified by Shenzhen Government, The high current charge and discharge performance increased 50%, It was widely used in light electric vehicles, hybrid bus systems, power systems.

High Temperature Battery

The company's core technology, a unique formula and special battery design, widely used in high-temperature area.

EV Battery

The company's core technology, a unique formula and special battery design, widely used in light electric vehicles, golf carts, sightseeing cars, tourism buses, etc.

R&D Advantages

Active Substances Formula

The company's core proprietary technology to improve the battery life, high-current deep cycle discharge stability during battery movement and performance . there are a number of national patents technology.

Plate Alloy Formula

The main prolong battery life performance, deep cycle and a high-current discharge performance, there are a number of national patents technology.

Six-pole Filter Acid-Proof Seals and Technology

The pole with sealing ring, pressure ring, Plastic nut, primer, Color glue six layers of sealing structure of no leakage of acid. There are a number of national patents technology.

Nano-silica Fibers and Hybrid Battery Cell Technology

Widely used on storage, communications, and other new energy applications, there are a number of national patents technology.

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Quality Management

Quality Cert. and Standard

- ISO9001:2000 approval
- R&D quality control
- Incoming material quality control
- Process quality control
- Finished Product Quality Control
- After-sales service quality control



ISO9001:2000

IEC60896 Test Report



2V Series



300Ah/400Ah/500Ah



1000Ah/800Ah/650Ah



2000Ah/1500Ah/1200Ah

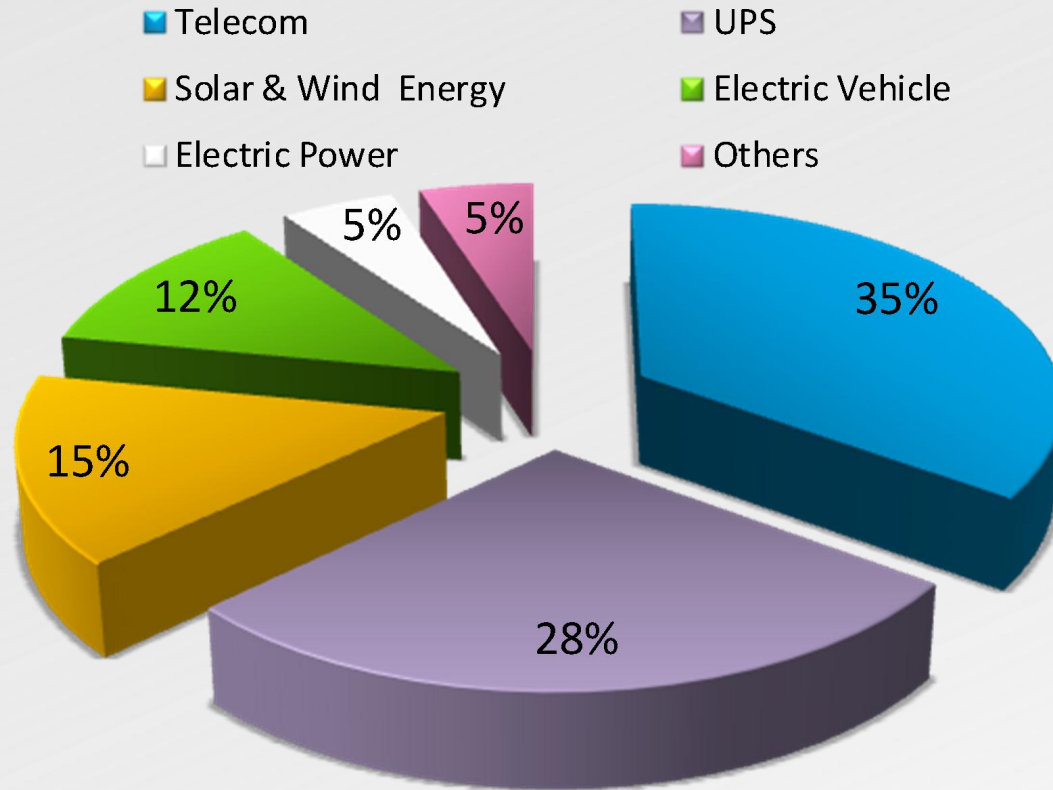
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Pittar Market



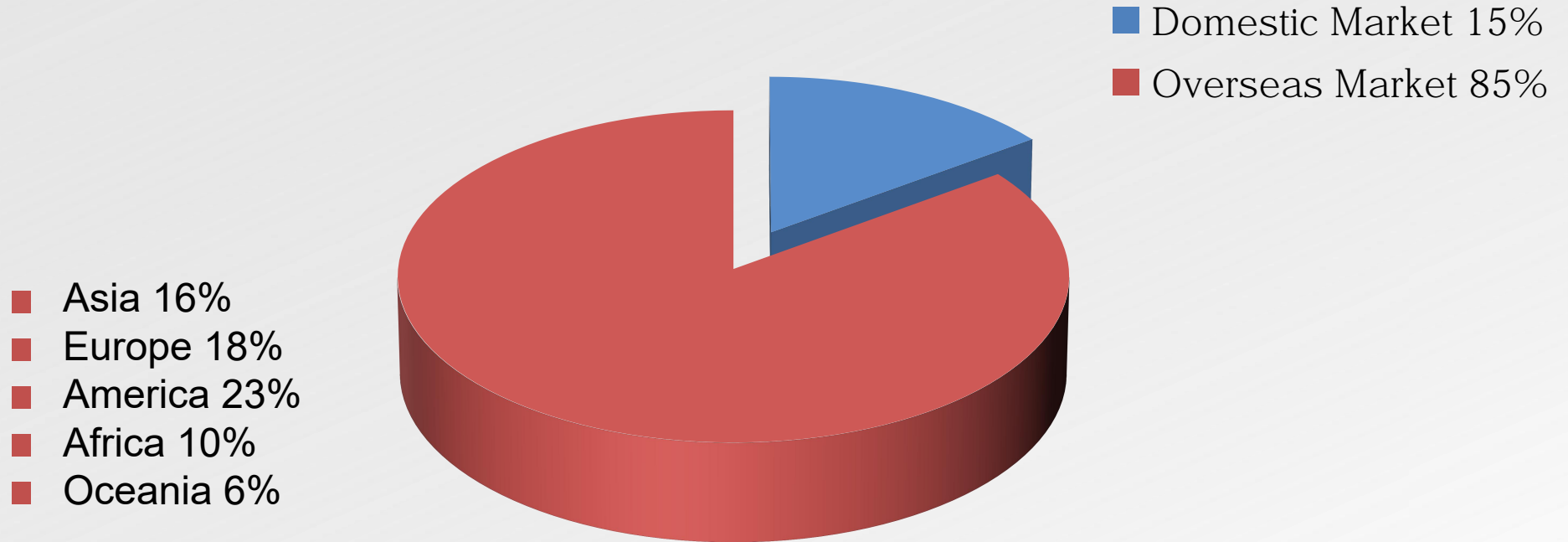
Pittar batteries are sold all over the world into Southeast Asia, Europe, America, South America, Australia and South Africa etc. , more than 200 countries and regions.

Market Share



Market Share

2025 Sales Share
(280 Million USD)



Pittar Recent Major Projects

Name of Customer	Industry	Major Model	Country	Installed in year
Germany Telecom	Telecom/ Solar Telecom	2V300-1000AH	Germany	2006
Airtel		2V600AH	India	2008
Reliance India		2V200-6000AH	India	2007
Bharti Telecom		2V300-600AH	India	2008
Verizon		12V180Ah Front terminal	US	2011
Smart Communication		12V front terminal	Philippine	2008
Telephonica Telecom		12V100-260AH	Colombia	2009
Iran Telecom		2V400-100AH	Iran	2009
PT.Telkomsel		Opzv2-800-3000AH	Indonesia	2012
China Telecom		12V50-200D	China	2004
China Mobile		12V,2V, Front terminal	China	2004
Greece telecom OTE		12V7-260AH	Greece	2013
MTN		12v100-200AH	Africa	2005
Emerson		12V7AH-12V240HL	Global	2008
Eltek		12V7-260AH	China	2005
Santak/Eaton	UPS/ Inverter	12V7-240AH	Worldwide	2003
Effekta		12V33-260AH	Germany	
Delta UPS		12V7-200AH	China	2002
Masterguard		12V33-260	S.Africa	2006
Afghan West army	Government SOLAR Project	12V100D	Mid east	2007-2012
		2V500D		
Angola Government		2V1000DG	Angola	2008
South Africa Government		12V100DG	South Africa	2009
United nation		2V1000DG	Lantin America	2009
Vietnam Government		RA12-230DG	Vietnam	2010
Laos Government, world bank project		RA12-33D, RA12-55D	Laos, Cambodia	2009
Senegal government		RA12-100D, RA12-200D	senegal	2008
Indonesia Government		OPZV2-800,1000,3000	Indonesia	2012
Nigeria Government		RA12-150D, RA12-200D	NIGERIA	Since year 2009
South Africa Government		RA12-100D, RA12-200D	South Africa	2010
Costarica Government		RA12-100SD, RA12-150D	Costarica	2007

Our Clients





THANKS!