

Company Profile

Panasonic Energy Co., Ltd.

Our Mission

*Achieving a society in which the pursuit
of happiness and a sustainable environment
are harmonized free of conflict.*

Our Vision

Energy that changes the future.

Our Will

Doing what humankind requires.

Overview of Panasonic Energy Co., Ltd.

Company name	Panasonic Energy Co., Ltd.
CEO	Kazuo Tadanobu
Year of foundation	April 2022
Business scope	Primary batteries(Dry batteries, Lithium primary batteries), Cylindrical lithium-ion batteries for in-vehicle use, Small-sized secondary batteries, Storage battery systems, etc.
Head office location	1-1, Matsushita-cho, Moriguchi-shi, Osaka 570-8511, Japan
FY2022 * Business results	Sales: ¥971.8 billion Operating profits: ¥33.2 billion <small>* "FY2022" refers to the year ended March 31, 2023.</small>
Number of Employees **	About 19,000 <small>**consolidated, as of April 1,2023</small>

Organization & Executive Officers

*As of April 1, 2023

Panasonic ENERGY

Panasonic Energy Co., Ltd.

==== List of Executive Officers ====

President, CEO	Kazuo Tadanobu
Executive Vice President	Daizo Ito
Executive Vice President,	Yasuaki Takamoto
Executive Vice President, CTO	Shoichiro Watanabe
Managing Executive Officer	Kazutaka Fukutome
Managing Executive Officer, CHRO	Masaru Miki
Managing Executive Officer, CFO	Masaaki Mizoguchi
Managing Executive Officer, CIO	Osamu Nagano
Managing Executive Officer, CLO	Saburo Nakao
Managing Executive Officer	Hideyuki Okunaga
Managing Executive Officer, CSO	Kunio Tanaka
Managing Executive Officer	Isamu Yamagiwa



President,
CEO
Kazuo Tadanobu



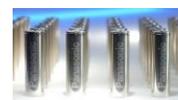
Executive Vice President,
In charge of Overseas Business
Daizo Ito



Executive Vice President
Yasuaki Takamoto



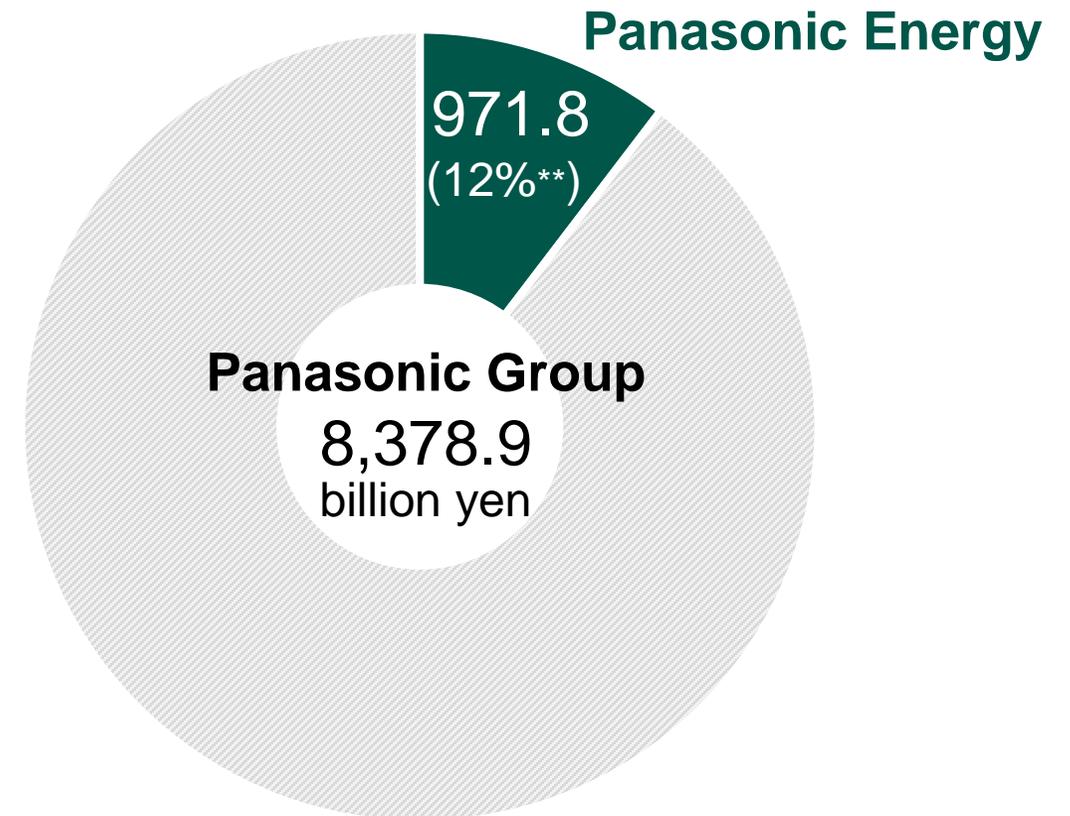
Executive Vice President,
CTO
Shoichiro Watanabe



Position in the Panasonic Group

Panasonic Holdings Corporation	
	Panasonic Corporation
	Panasonic Automotive Systems Co., Ltd.
	Panasonic Entertainment & Communication Co., Ltd.
	Panasonic Housing Solutions Co., Ltd.
	Panasonic Connect Co., Ltd.
	Panasonic Industry Co., Ltd.
	Panasonic Energy Co., Ltd.
	Panasonic Operational Excellence Co., Ltd.

Sales Composition in the Panasonic Group
(FY2022*)



* "FY2022" refers to the year ended March 31, 2023.
** Composition ratio is net sales ratio after offset.

Trajectory of Freedom

Our energy evolution has been freeing people from various social problems and constraints all through the ages. Our forerunners' passion, efforts, and spirit of challenge continue to give us endless energy to realize the next phase of freedom.



Freedom from Darkness (1923 -)

With the Bullet-shaped Bicycle Lamp + Excel Dry Battery the lighting time of bicycle lamps went from 2 to 3 hours to 30 to 40 times longer. This also lit up the spirits of cyclists.



Freedom from Supply Shortage (1931 -)

Square-shaped battery lamps were a big hit and battery production couldn't keep up with demand. So, the Matsushita Electric Eighth Factory was set up in facilities transferred from a competitor, making mass production possible.



Freedom from Battery Leakage (1954 -)

National HYPER, Japan's first dry battery with a metal outer case, used a unique technology to make the change from a paper outer case. There was virtually no battery leakage and storage stability significantly improved as well.



Freedom from Inconveniences (1955 -)

Battery-operated Gas Burner Lighter reached 2 million households due to its portability. Thereafter, in addition to lighting, various battery-operated products were developed for such fields as heating, power, and sound, to continue to make people's lives more convenient.



Freedom from Short Battery Life (1963 - 1969 -)

From National HYPER onward, the life of batteries became longer and longer. HI-Top had a battery life 2 times longer than the conventional model and NEO HI-Top's life was 1.5 times longer than HI-Top's. Both realized the world's longest life at the time.



Freedom from Limitation (1970 -)

When a Japanese party conquered Mt. Everest for the first time, the whole country was proud. In the harshest environment on earth, NEO HI-Top supported important tasks, such as weather observation and communication between members.



Freedom from Maintenance (1976 -)

Motorization accelerated in the 1970s. Japan's first car battery CAREC with its ease of maintenance significantly contributed to the evolution of mobility in Japan.



Freedom from Size, Weight, and Lack of Power (1964 -)

Batteries evolved diversely due to a worldwide demand for lightness, smallness, and powerfulness. Especially, lithium-ion secondary batteries (1994 -) made notebook PCs and smartphones lighter in weight. They are backbones of today's information-based society.



Freedom from Inconsistency (1991 -)

The growing worldwide concern for the environment changed our battery development and led to the mercury-free dry battery. With a view toward a future where people's happiness and global environmental sustainability will harmonize, our challenge continues.



Freedom from Onetime Use (2005 - 2008 -)

eneloop, developed by SANYO Electric through company-wide efforts, and Rechargeable EVOLTA that followed it changed the status quo of batteries being disposed of after onetime use. The number of users continues to increase even today.



Freedom from Giving Up (2008 -)

For EVOLTA Challenge, a robot, EVOLTA-KUN, took on various difficult challenges, such as conquering the Grand Canyon with battery power. It represented our spirit of never giving up.



Freedom from Time and Space (2003 - 2014 -)

Our energy incorporated in the return capsule of the asteroid probe Hayabusa fulfilled its role throughout its harsh and long journey. Later, our technology contributed to the success of the mission of Hayabusa 2 as well.



Freedom from Environmental Burden (1997 -)

Fighting against climate change is the biggest challenge for mankind and mobility energy plays a key role. We once provided batteries for Toyota Prius and are now providing for Tesla. As energy that will change the future, the evolution of mobility energy must continue.

Business Composition

Mobility Energy Business



Cylindrical Li-ion batteries for in-vehicle use (2170)



Cylindrical Li-ion batteries for in-vehicle use (1865)



Energy Solutions Business



Small-sized Li-ion batteries



Li-ion storage battery modules/systems

Energy Device Business



Lithium primary/secondary batteries



Dry batteries



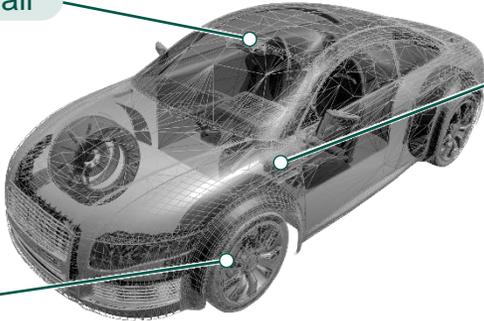
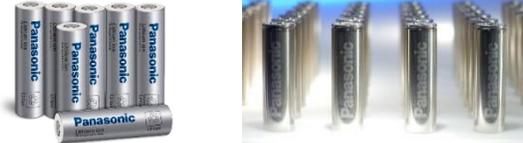
Nickel-metal hydride batteries



Pin-type Li-ion batteries

* "FY2022" refers to the year ended March 31, 2023.

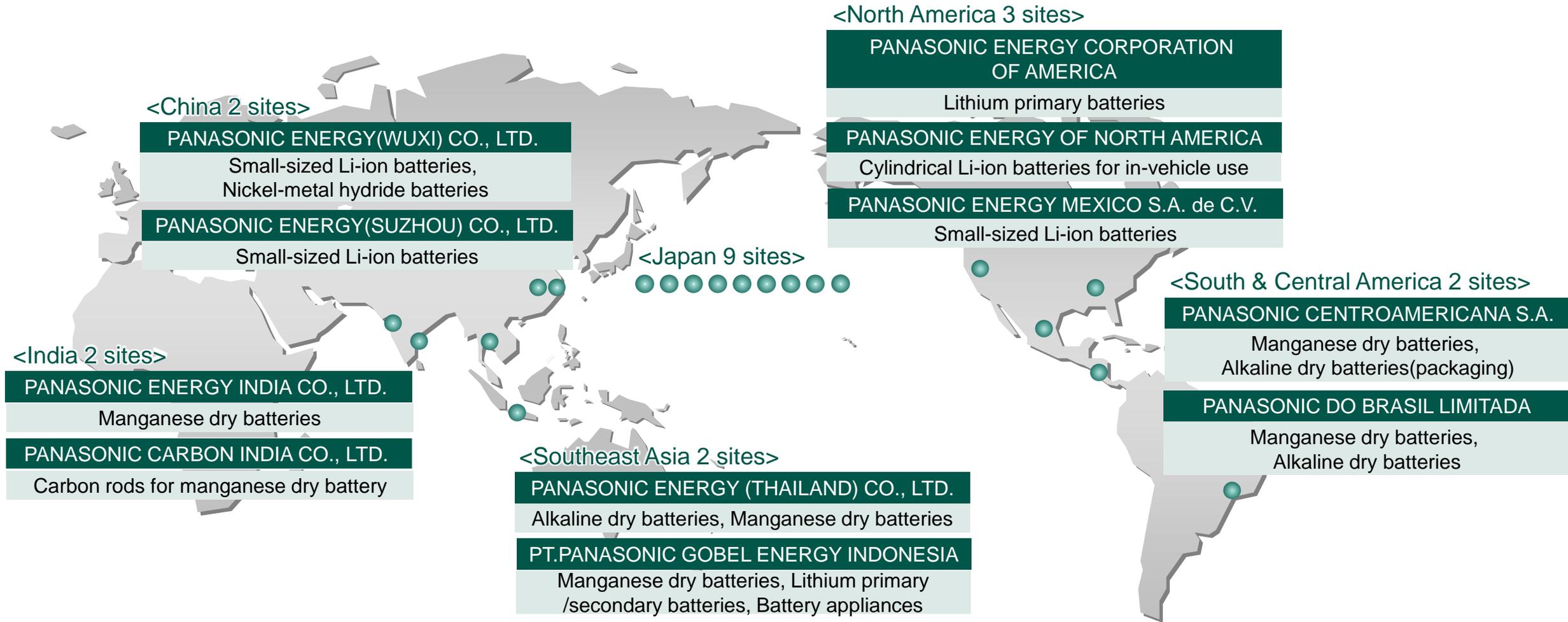
Major Applications

In-vehicle	<p>Nickel-metal hydride batteries</p>  <p>Keyless entry</p> 	<p>e-Call</p> 	<p>Driving battery</p> <p>Cylindrical Li-ion batteries for in-vehicle use (1865) (2170)</p> 	<p>Lithium primary batteries</p>  <p>TPMS* *Tire Pressure Monitoring System</p>		
	<p>Laptop PC</p> 	<p>Tablet PC</p> 	<p>Data center</p> 	<p>Medical</p> 	<p>Wearable</p> 	<p>Gas/water meter</p> 
	<p>Small-sized Li-ion batteries</p> 	<p>Storage battery modules/systems</p> 	<p>Nickel-metal hydride batteries</p> 	<p>Pin-type Lit-ion batteries</p> 	<p>Lithium primary/secondary batteries</p> 	
Consumer, etc.	<p>Remote controller</p> 	<p>Dry batteries</p> 	<p>Nickel-metal hydride batteries (for consumer)</p> 	<p>Electric assisted bicycle</p> 	<p>Electric tool</p> 	
				<p>Small-sized Li-ion batteries</p> 		

Major Sites (Production)

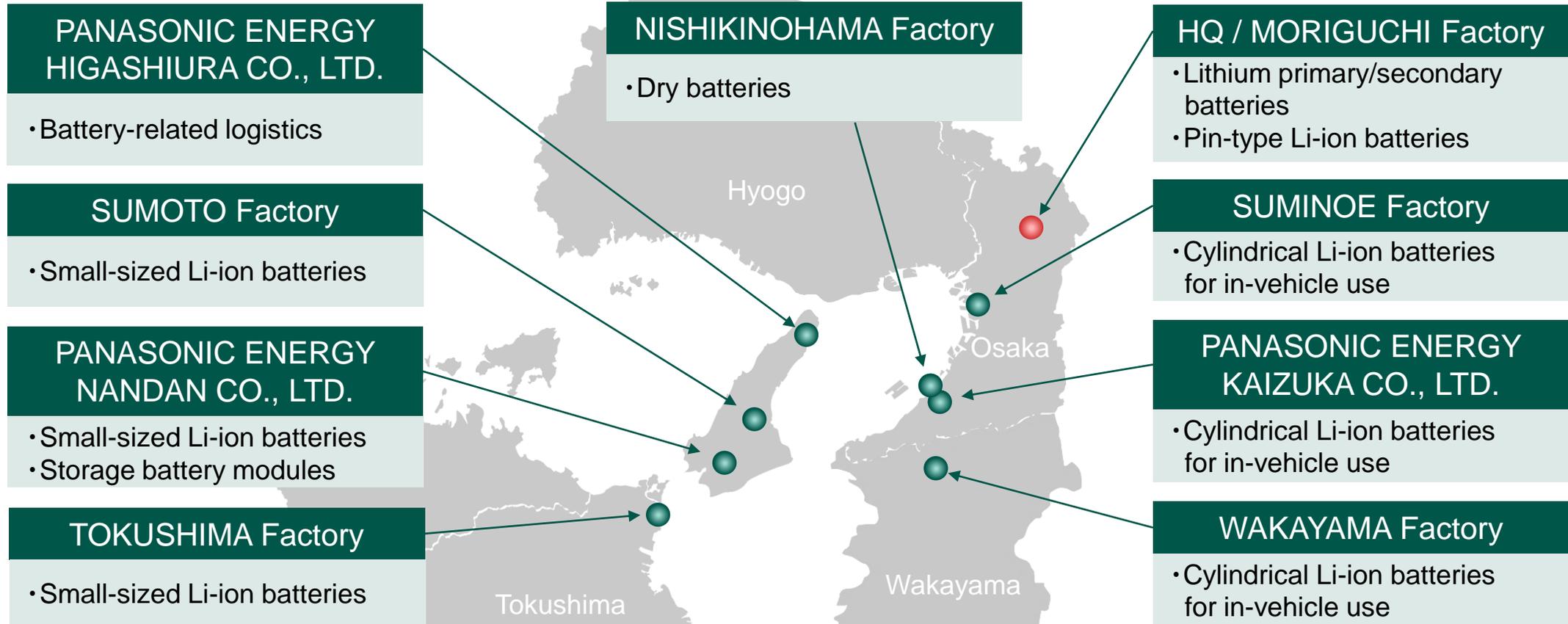
*As of April 1, 2023

Global 20 Production Sites (Japan 9, Overseas 11)



Major Sites (Japan)

*As of April 1, 2023

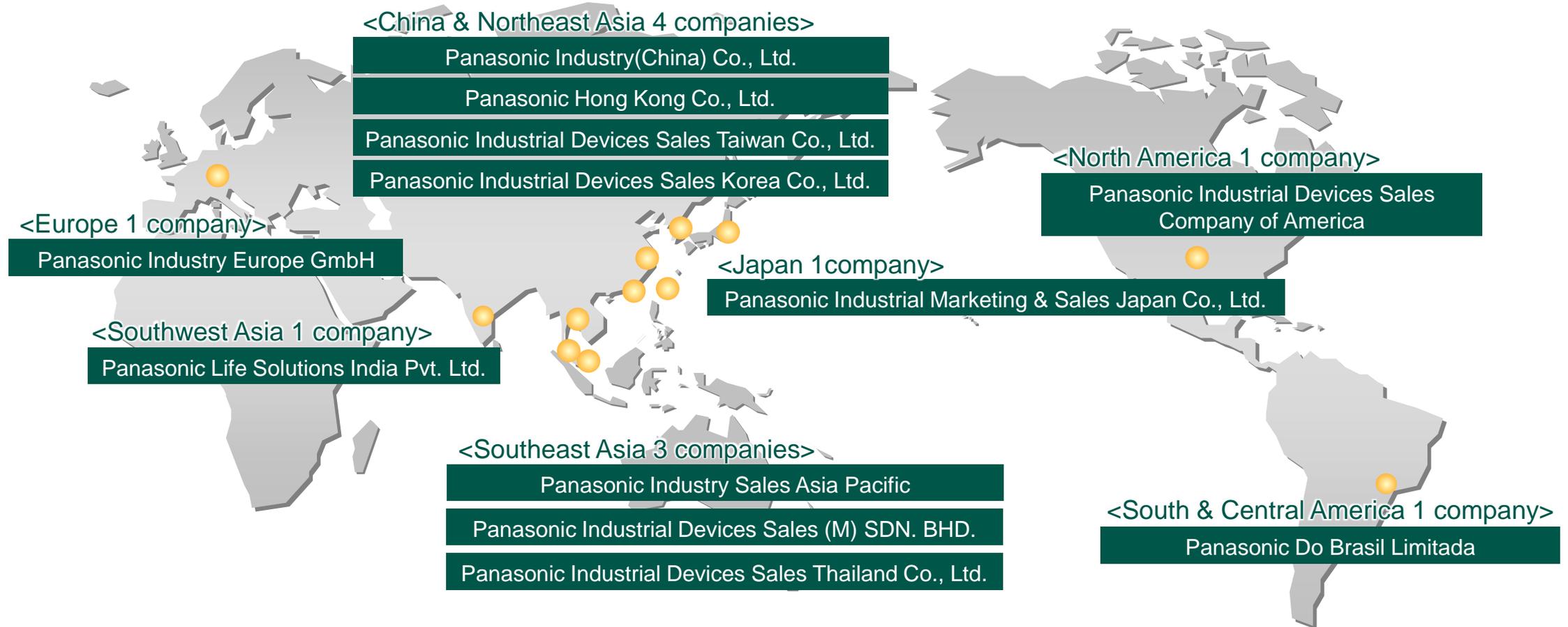


HQ / Business Division	Major Sites (Japan)
HQ / R&D / Sales	HQ/R&D: Osaka, Sales: Tokyo, Osaka
Energy Device BD	Osaka (2)
Mobility Energy BD	Osaka (3), Wakayama (1)
Energy Solutions BD	Osaka (1), Hyogo (3), Tokushima (1)

Major Sites (Sales)

**As of April 1, 2023, BtoB site only*

Global 12 Sales Companies (Japan 1, Overseas 11)



List of Major Sites

*As of April 1, 2023

HQ / R&D		1-1 Matushita-cho, Moriguchi-shi, Osaka 570-8511	
Global Marketing & Sales Division		Sumitomo Fudosan Shiodome Hamarikyu Building 18th floor, 8-21-1 Ginza, Chuo-ku, Tokyo 104-0061 / 1-1 Matushita-cho, Moriguchi-shi, Osaka 570-8511	
Energy Device Business Division		HQ : 1-1 Matushita-cho, Moriguchi-shi, Osaka 570-8511	
Japan	<ul style="list-style-type: none"> •MORIGUCHI Factory •NISHINOHAMA Factory 	North America	•PANASONIC ENERGY CORPORATION OF AMERICA
Asia	<ul style="list-style-type: none"> •PANASONIC ENERGY (THAILAND) CO., LTD. •PT.PANASONIC GOBEL ENERGY INDONESIA 	South & Central America	<ul style="list-style-type: none"> •PANASONIC CENTROAMERICANA S.A. •PANASONIC DO BRASIL LIMITADA
India	<ul style="list-style-type: none"> •PANASONIC ENERGY INDIA CO., LTD. •PANASONIC CARBON INDIA CO., LTD. 		
Mobility Energy Business Division		HQ : 1-1 Matushita-cho, Moriguchi-shi, Osaka 570-8511	
Japan	<ul style="list-style-type: none"> •SUMINOE Factory •WAKAYAMA Factory •PANASONIC ENERGY KAIZUKA CO., LTD. 	North America	•PANASONIC ENERGY OF NORTH AMERICA
Energy Solutions Business Division		HQ : 1-1 Matushita-cho, Moriguchi-shi, Osaka 570-8511	
Japan	<ul style="list-style-type: none"> •SUMOTO Factory •TOKUSHIMA Factory •PANASONIC ENERGY HIGASHIURA CO., LTD. •PANASONIC ENERGY NANDAN CO., LTD. 	China	<ul style="list-style-type: none"> •PANASONIC ENERGY(WUXI) CO., LTD. •PANASONIC ENERGY(SUZHOU) CO., LTD.
		North America	•PANASONIC ENERGY MEXICO S.A. de C.V.

Panasonic ENERGY

Energy that changes the future.