

# 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),<br>Cylindrical lithium-ion batteries for in-vehicle use,<br>Small-sized secondary batteries,<br>Storage battery systems, etc. |
| Head office location         | 1-1, Matsushita-cho, Moriguchi City, Osaka 570-8511, Japan                                                                                                                                 |
| FY2021 *<br>Business results | Sales: ¥764.4 billion    Operating profits: ¥64.2 billion<br><small>* "FY2021" refers to the year ended March 31, 2022.</small>                                                            |
| Number of<br>Employees **    | About 20,000 <small>**consolidated, as of April 1,2022</small>                                                                                                                             |

# Organization & Executive Officers

\*As of April 1, 2022

## Panasonic Energy Co., Ltd.



President, CEO  
Kazuo Tadanobu



Executive Vice President  
Yasuaki Takamoto



Executive Vice President, CTO  
Shoichiro Watanabe

### List of Executive Officers

|                                     |                    |
|-------------------------------------|--------------------|
| President,<br>CEO                   | Kazuo Tadanobu     |
| Executive Vice President            | Yasuaki Takamoto   |
| Executive Vice President,<br>CTO    | Shoichiro Watanabe |
| Managing Executive Officer          | Kazutaka Fukutome  |
| Managing Executive Officer,<br>CHRO | Masaru Miki        |
| Managing Executive Officer,<br>CFO  | Masaaki Mizoguchi  |
| Managing Executive Officer,<br>CIO  | Osamu Nagano       |
| Managing Executive Officer          | Hideyuki Okunaga   |
| Managing Executive Officer,<br>CSO  | Kunio Tanaka       |
| Managing Executive Officer          | Isamu Yamagiwa     |

### Technology Department

### Global Marketing & Sales Division

### Energy Device Business Division

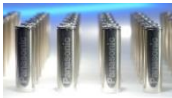
Dry batteries, Lithium primary/secondary batteries,  
Nickel-metal hydride batteries, Pin-type Li-ion batteries



Director  
Hideyuki Okunaga

### Mobility Energy Business Division

Cylindrical Li-ion batteries for in-vehicle use



Director  
Yasuaki Takamoto

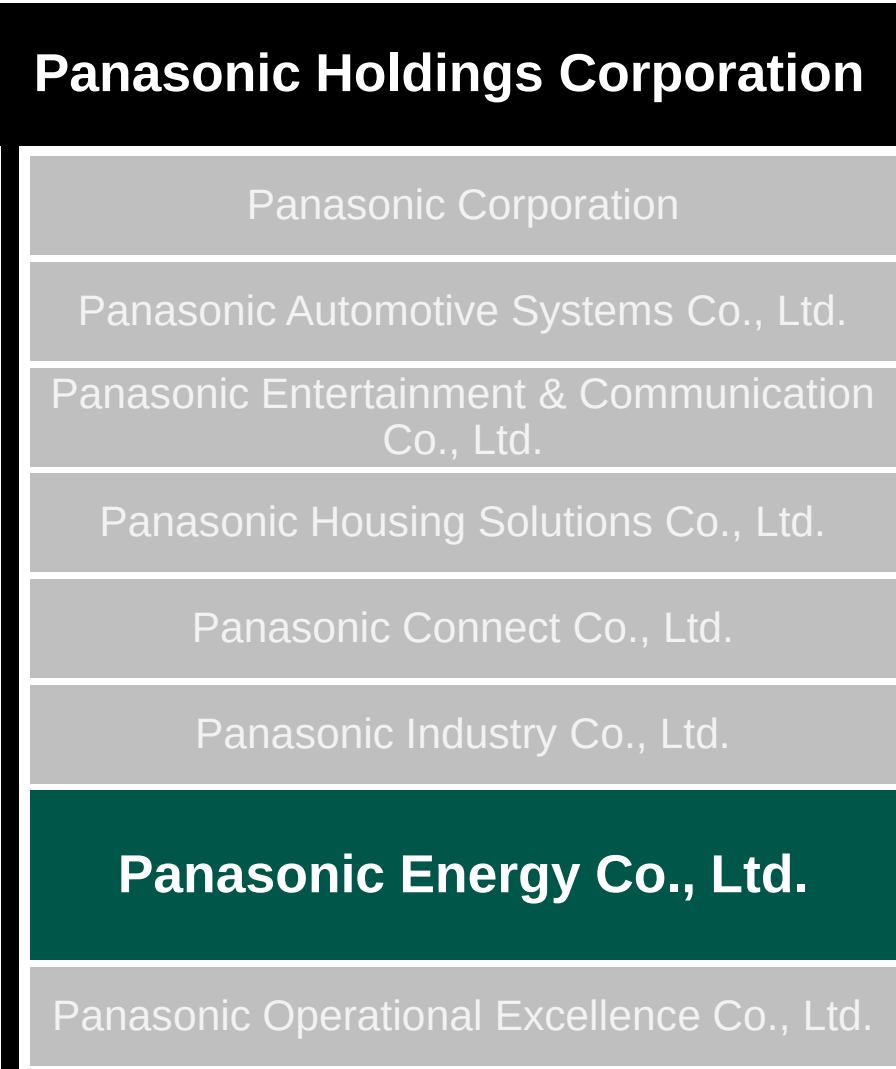
### Energy Solutions Business Division

Small-sized Li-ion batteries,  
Storage battery modules/systems

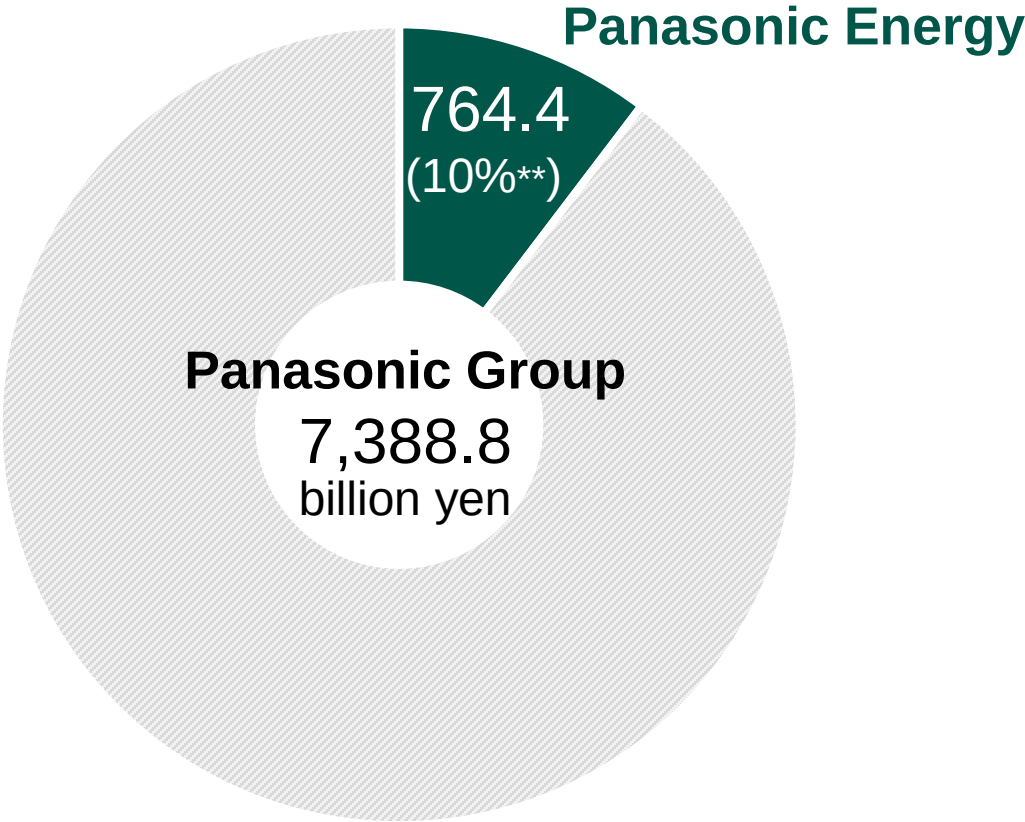


Director  
Isamu Yamagiwa

# Position in the Panasonic Group



Sales Composition in the Panasonic Group  
(FY2021\*)



\* "FY2021" refers to the year ended March 31, 2022.  
\*\* 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.



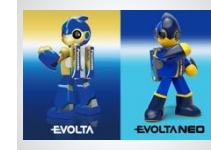
## Freedom from Inconsistency (1991 -)

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.



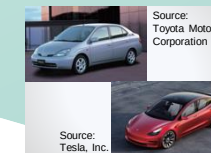
## Freedom from Giving Up (2008 -)

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)

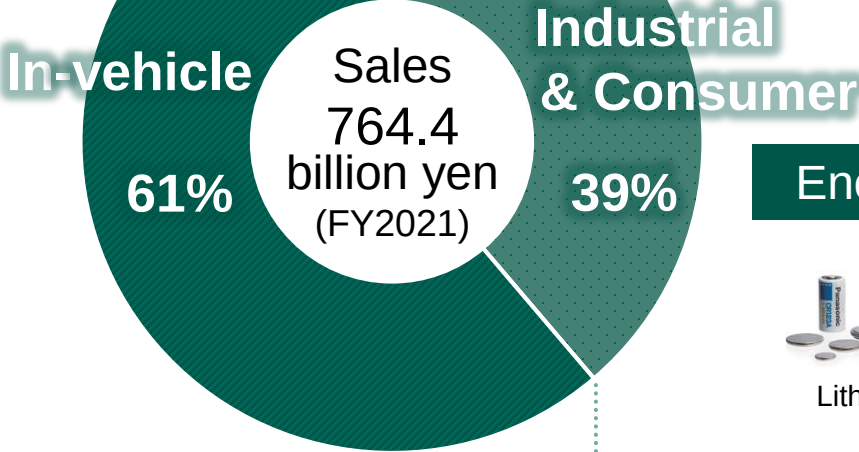
## Energy Solutions Business



Small-sized Li-ion batteries



Li-ion storage battery  
modules/systems



## Energy Device Business



Lithium primary/secondary  
batteries



Dry batteries



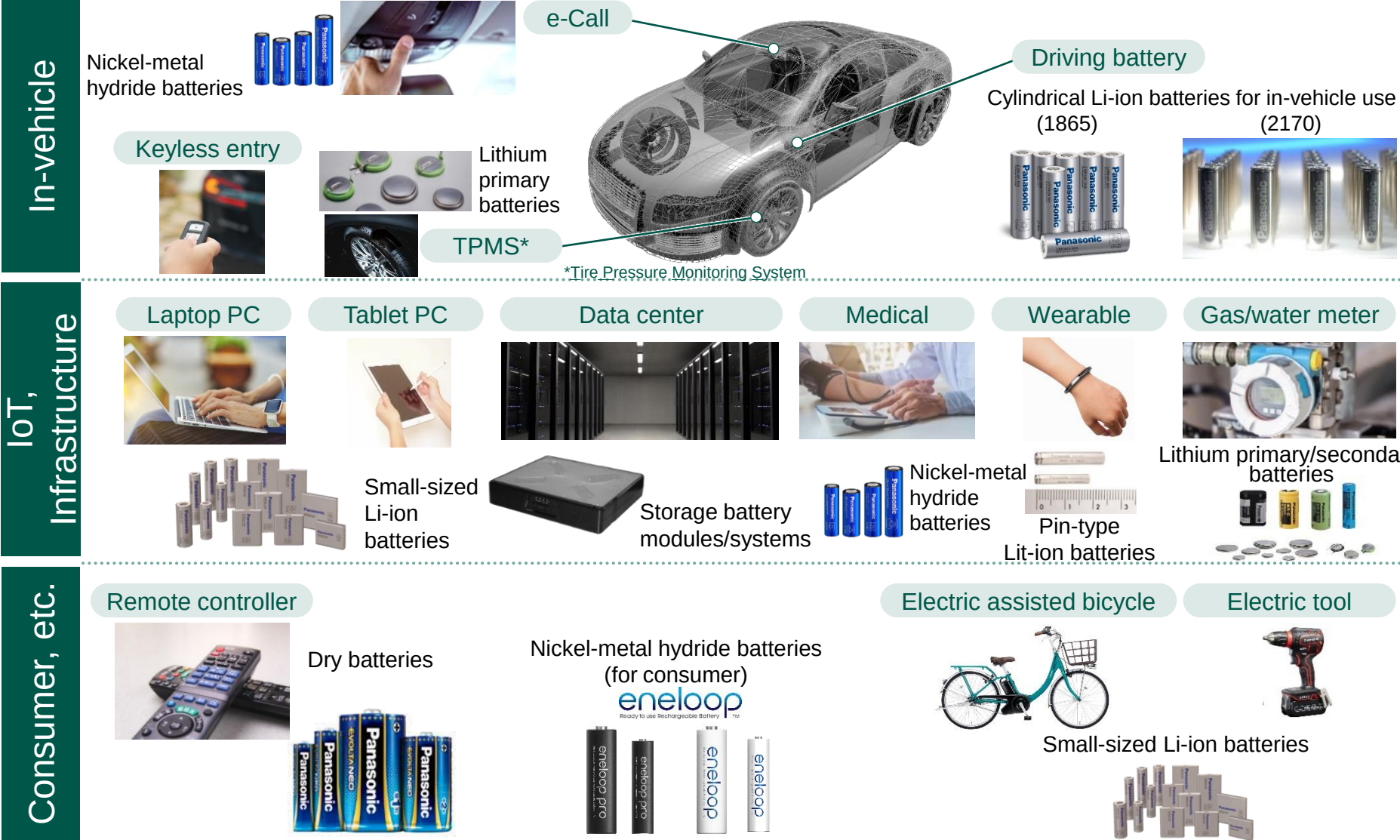
Nickel-metal hydride  
batteries



Pin-type Li-ion batteries



# Major Applications

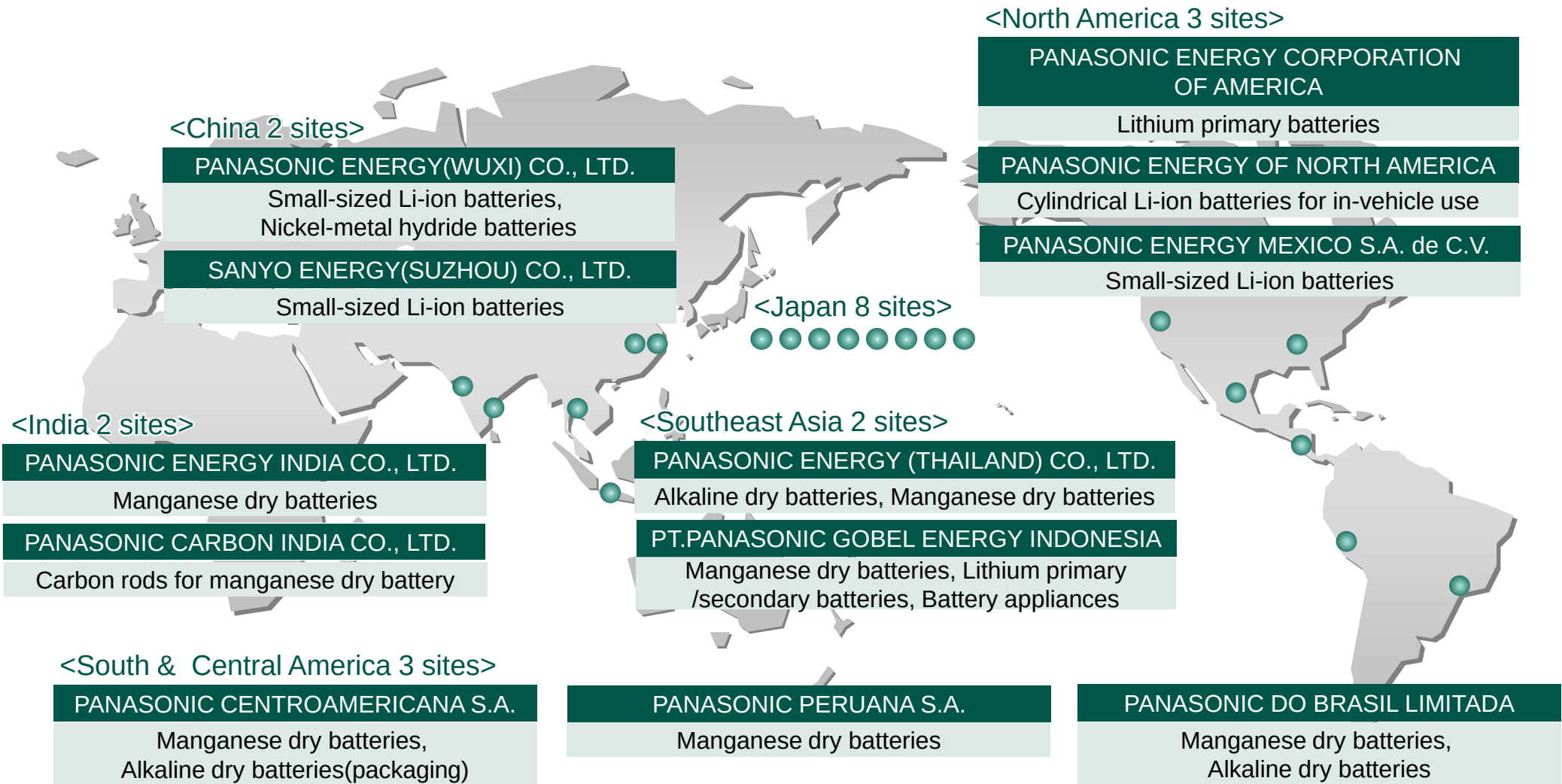




# Major Sites (Production)

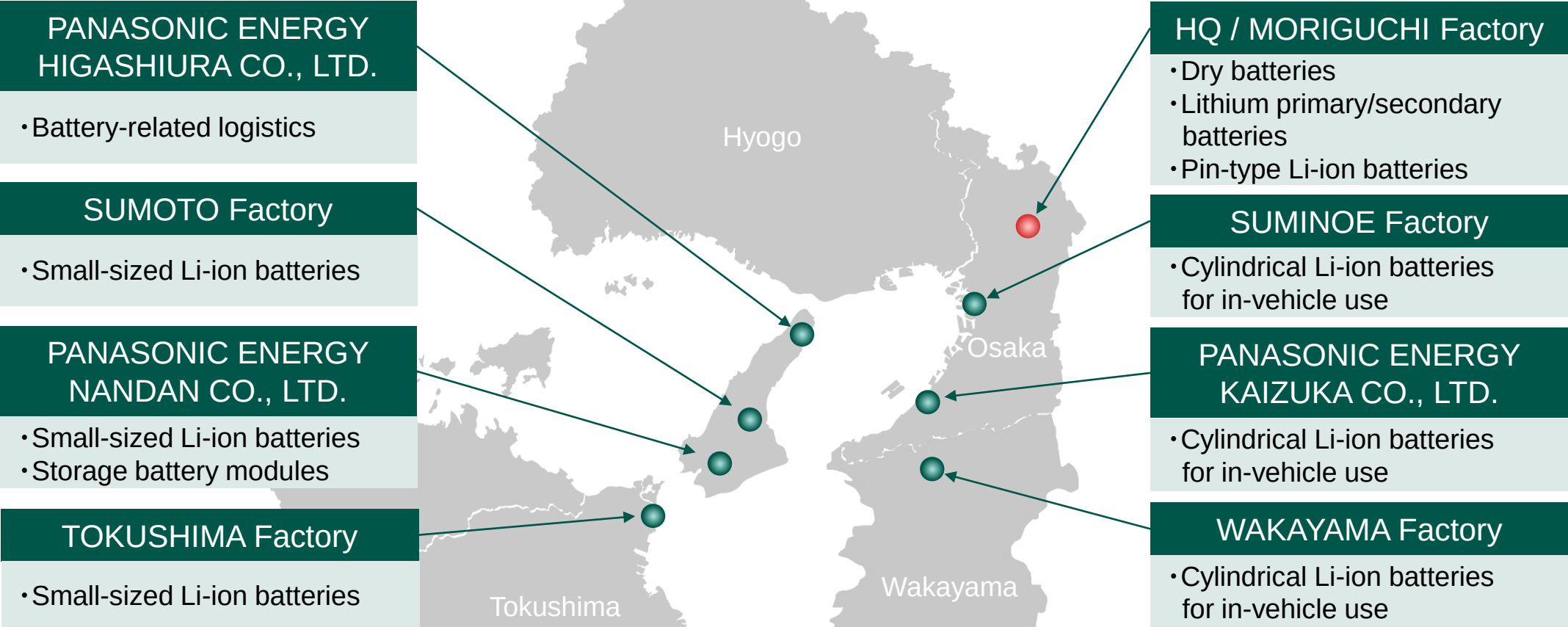
*\*As of April 1, 2022*

Global 20 Production Sites (Japan 8, Overseas 12)



# Major Sites (Japan)

*\*As of April 1, 2022*

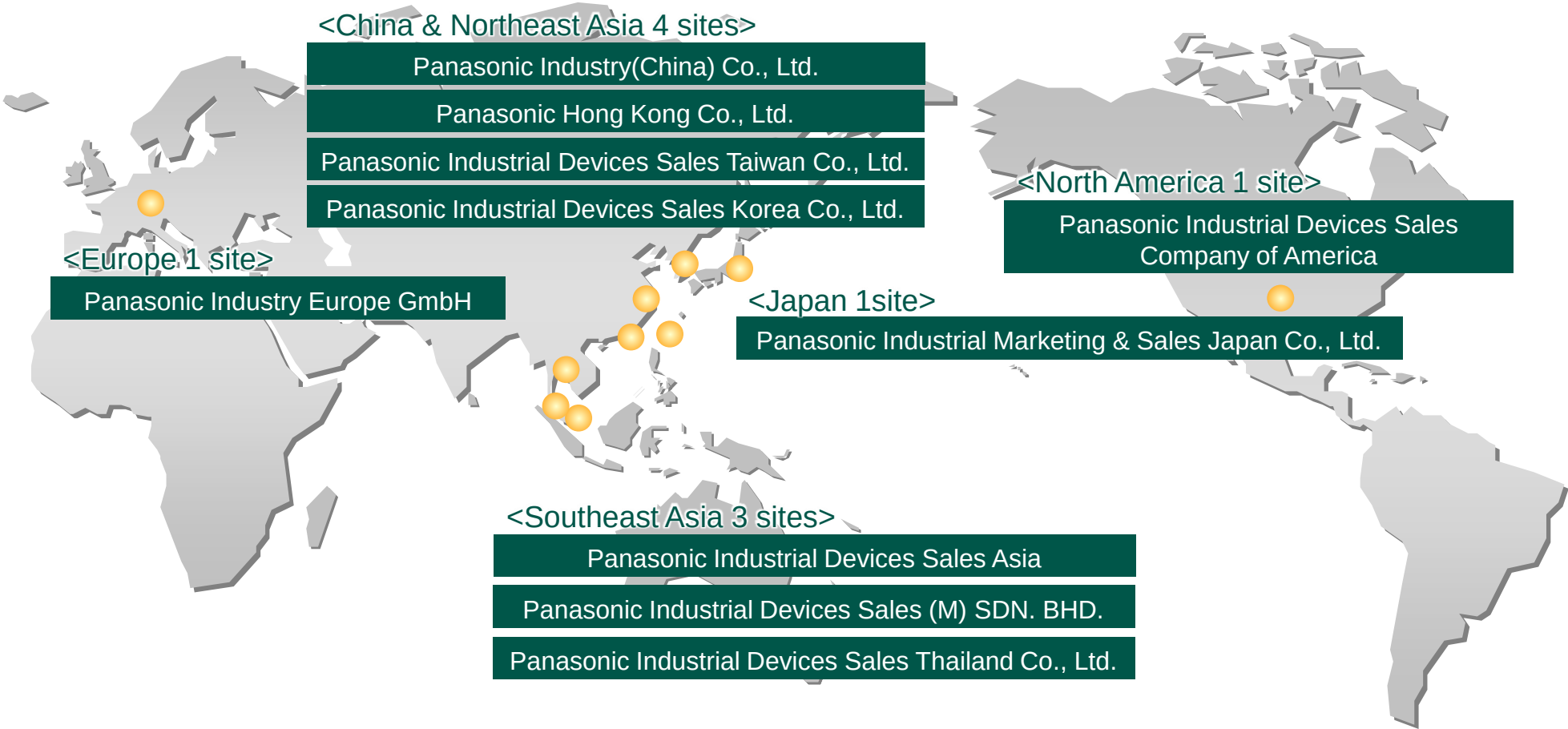


| HQ / Business Division | Major Sites (Japan)                 |
|------------------------|-------------------------------------|
| HQ / R&D / Sales       | HQ/R&D: Osaka, Sales: Tokyo, Osaka  |
| Energy Device BD       | Osaka (1)                           |
| Mobility Energy BD     | Osaka (3), Wakayama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

# Major Sites (Sales)

*\*As of April 1, 2022, BtoB site only*

Global 10 Sales Sites (Japan 1, Overseas 9)





# List of Major Sites

*\*As of April 1, 2022*

|                                    |                                                                                                                       |                                                                                                         |                                                                                             |
|------------------------------------|-----------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| HQ / R&D                           |                                                                                                                       | 1-1 Matsushita-cho, Moriguchi city, Osaka                                                               |                                                                                             |
| Global Marketing & Sales Division  |                                                                                                                       | Toranomom 35 MORI Bldg., 3-4-10 Toranomom, Minato-ku, Tokyo / 1-1 Matsushita-cho, Moriguchi city, Osaka |                                                                                             |
| Energy Device Business Division    |                                                                                                                       | HQ : 1-1 Matsushita-cho, Moriguchi city, Osaka                                                          |                                                                                             |
| Japan                              | •MORIGUCHI Factory                                                                                                    | North America                                                                                           | •PANASONIC ENERGY CORPORATION OF AMERICA                                                    |
| Asia                               | •PANASONIC ENERGY (THAILAND) CO., LTD.<br>•PT.PANASONIC GOBEL ENERGY INDONESIA                                        | South & Central America                                                                                 | •PANASONIC CENTROAMERICANA S.A.<br>•PANASONIC DO BRASIL LIMITADA<br>•PANASONIC PERUANA S.A. |
| India                              | •PANASONIC ENERGY INDIA CO., LTD.<br>•PANASONIC CARBON INDIA CO., LTD.                                                |                                                                                                         |                                                                                             |
| Mobility Energy Business Division  |                                                                                                                       | HQ : 1-1 Matsushita-cho, Moriguchi city, Osaka                                                          |                                                                                             |
| Japan                              | •SUMINOE Factory<br>•WAKAYAMA Factory<br>•PANASONIC ENERGY KAIZUKA CO., LTD.                                          | North America                                                                                           | •PANASONIC ENERGY OF NORTH AMERICA                                                          |
| Energy Solutions Business Division |                                                                                                                       | HQ : 1-1 Matsushita-cho, Moriguchi city, Osaka                                                          |                                                                                             |
| Japan                              | •SUMOTO Factory<br>•TOKUSHIMA Factory<br>•PANASONIC ENERGY HIGASHIURA CO., LTD.<br>•PANASONIC ENERGY NANDAN CO., LTD. | China                                                                                                   | •PANASONIC ENERGY(WUXI) CO., LTD.<br>•SANYO ENERGY(SUZHOU) CO., LTD.                        |
|                                    |                                                                                                                       | North America                                                                                           | •PANASONIC ENERGY MEXICO S.A. de C.V.                                                       |

**Panasonic ENERGY**

*Energy that changes the future.*