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<https://www.nidec.com/en/>

# Nidec Corporation ESG Conference Presentation Material



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These presentation materials and the related discussions contain forward-looking statements including expectations, estimates, projections, plans and strategies. Such forward-looking statements are based on management's targets, assumptions and beliefs in light of the information currently available. Certain risks, uncertainties and other factors could cause actual results to differ materially from those discussed in the forward-looking statements. Such risks and uncertainties include, but are not limited to, changes in customer circumstances and demand, exchange rate fluctuations, and the Nidec Group's ability to design, develop, mass produce and win acceptance of its products and to acquire and successfully integrate companies with complementary technologies and product lines. Please see other disclosure documents filed or published by the Nidec Group companies, including the Japanese securities report, for additional information regarding such risks and uncertainties. Nidec undertakes no obligation to update the forward-looking statements unless required by law.

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Ms. Takako Sakai - Outside Member of the Board of Directors

### 2. Environmental contributions of MOEN business

#### - Overview of MOEN business

Mr. Michael Briggs - MOEN (Motion & Energy) Executive General Manager

#### - Power generator business

Mr. David Sonzogni - EPGE (Electric Power Generation Europe and Asia Pacific) President

#### - EV charger & BESS business

Mr. Dominique Llonch - NIS (Nidec Industrial Solutions) President

#### - Environmental impact reduction activities at MOEN

Mr. Mark Weisheit - MOEN (Motion & Energy) Supply Chain Vice President

### 3. Q&A

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# Nidec MOEN ESG

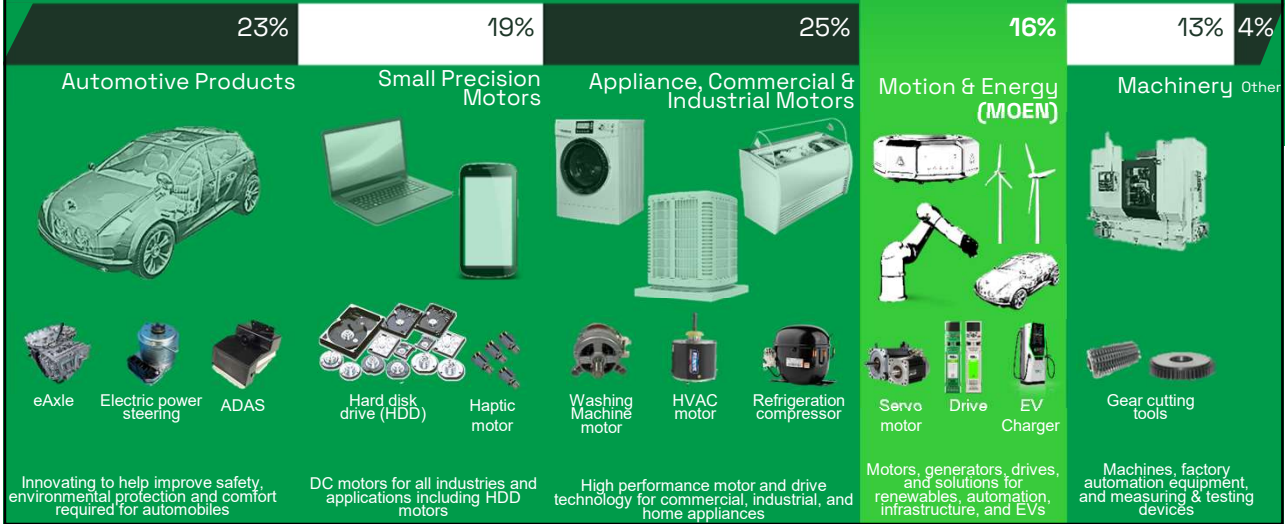
March 2024





# Nidec Corporation Product Groups & Revenue Breakdown

## ¥2.2T FY22 Group Revenue

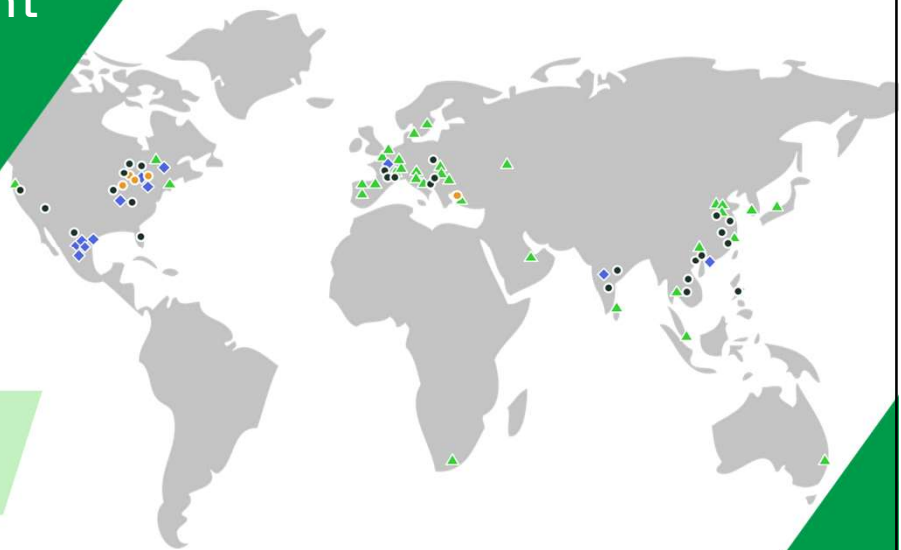


# Motion & Energy Global Footprint

13k EMPLOYEES

50+ FACILITIES

30+ COUNTRIES



# Motion & Energy Sustainability

Motion & Energy contributes to Nidec's environmental mission and to sustainable economic growth through the development of **products and technologies** that **drive energy efficiency and resiliency**...

...and ensuring our **production and business processes** are sustainable.



Generators

Battery Energy Storage Systems

Electric Vehicle Charging Infrastructure

Sustainable Practices

# Powering lives, Connecting worlds



Providing resilient electric power, and powering essential services



# Powering Lives, Connecting Worlds

Providing resilient electric power...

...and powering essential services...



...whenever, wherever, and  
in any weather condition.

## Nidec Generators in 2023:

**2.24M** Tons of CO2 emissions saved by Nidec power plant generators for clean power usage

**45** GW of Nidec generators delivered

**9** Nuclear power plants worth of energy produced

Generators

Battery Energy Storage Systems

Electric Vehicle Charging Infrastructure

Sustainable Practices



# Powering Lives, Connecting Worlds

Nidec generators offer the **smallest carbon footprint** in the industry



10kVA / 70kgs

35,000kVA / 80 tons



Up to **98% efficiency** to minimize fuel consumption



Manufactured with **96% recyclable raw materials**



Extended and **eco-friendly lifecycle** through remanufacturing and IoT Monitoring

Generators

Battery Energy Storage Systems

Electric Vehicle Charging Infrastructure

Sustainable Practices





# Enabling the energy transition through reliability & resiliency

BESS stores energy when electricity is plentiful...

...and deploys it when demand is high or when typical sources are unavailable



Main Applications for Nidec BESS



Power Conversion Systems



Microgrids



Renewable Energy Sources

**Robust, Reliable, Rain or Shine.**

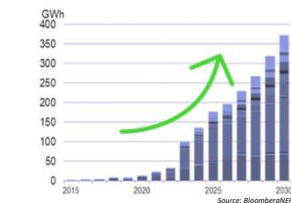
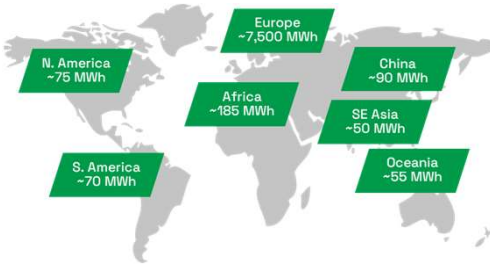
Generators

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Sustainable Practices

# Enabling the energy transition through reliability & resiliency



Demand poised to ramp-up as customers address intermittent energy supply with BESS technology

**~8** GWh of Nidec BESS installed worldwide as of 2023

**760k** Tons of CO<sub>2</sub> saved by Nidec BESS customers in 2023

**233%** Expected growth in global BESS market by 2040

**Nidec BESS accelerates new energy adoption by mitigating the impact of intermittent energy sources**



Generators

Battery Energy Storage Systems

Electric Vehicle Charging Infrastructure

Sustainable Practices



# Electrifying the world while keeping it moving



AC Chargers

DC Chargers

Battery Buffered DC Chargers



Installing safe, reliable, and efficient chargers to support EV adoption for residential, commercial, and industrial use

Microgrid Solutions



Nidec EVCI and BESS synergy supports energy transition without interruption to power supply

Generators

Battery Energy Storage Systems

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Sustainable Practices

# Electrifying the world while keeping it moving



### Environmental Impact

Facilitating transition from fossil fuel-powered vehicles to EV



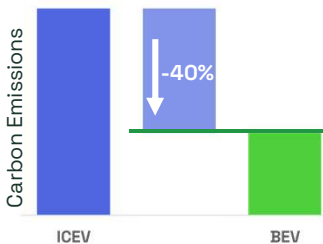
### Energy Efficiency

Accelerating adoption of more energy-efficient technology



### Grid Benefits

Enhancing grid reliability and resiliency



Average 40% CO<sub>2</sub> Emission Reduction from ICEV to BEV

Generators

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Sustainable Practices



# MOEN Global ESG Compliance Campaign Process



Regulatory Scope

# of Campaigns

Until FY21

Beginning FY22

**EU Regulation Campaign**

- (1) REACH Restriction
- (2) REACH Authorization
- (3) REACH SVHC
- (4) RoHS
- (5) EU Mercury (Minamata)
- (6) EU POPs (Stockholm)
- (7) Halogen-free
- (8) IMO Green Passport

**U.S. Conflict Mineral Campaign**

- Section 1502 of the U.S Dodd-Frank Wall Street Reform Act

**CA Prop 65 Campaign**

- The Safe Drinking Water and Toxic Enforcement Act of 1986

**U.S. EPA TSCA Campaign**

- TSCA Section 6(h)-Persistent, Bioaccumulative and Toxic Substance

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**EU Regulation Campaign**

- (1) REACH Restriction
- (2) REACH Authorization
- (3) REACH SVHC
- (4) RoHS
- (5) EU Mercury (Minamata)
- (6) EU POPs (Stockholm)
- (7) EU Ozone Depletion (Vienna)
- (8) EU Battery
- (9) EU Prior Informed Consent
- (10) EU Package

**U.S. Conflict Mineral & Ethical Sourcing Campaign**

- 3TG (Section 1502 of the U.S Dodd-Frank Wall Street Reform Act)
- Cobalt (Artisanal and Small-scale miners of cobalt framework)

**U.S. EPA TSCA Campaign**

- TSCA Section 6(h)-Persistent, Bioaccumulative and Toxic Substances
- TSCA Risk-evaluation and management substances

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Generators

Battery Energy Storage Systems

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Sustainable Practices

# Motion & Energy GHG Capability



Measures across Europe, America, Canada, and China facilities to minimize carbon footprint

Scope 1		Scope 2		Scope 3	
MOEN Direct Activity		Indirect Electricity		Upstream	Other / Downstream
	Heating & Cooling		MOEN purchased energy		Customer process of Nidec sold products
	Vehicles		MOEN renewable energy (avoiding carbon emissions)		End of life treatment
	Fuel Combustion				Customer use of Nidec product
	Logistics				Customer distribution
	Facilities				
	Warehouse				
	Manufacturing Processes				

Fully meets European Union January 2025 Reporting Requirements

Generators

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Sustainable Practices



# MOEN Global ESG Compliance New in FY23

- ✓ **MOEN GHG Team build-up (Complete)**
  - Supporting team in Manila
  - Fully trained in GHG accounting & process
- ✓ **MOEN GHG Policy (Complete)**
  - Compliant to The Greenhouse Gases Protocol
  - ISO 14064 | International GHG Standard
- ✓ **MOEN GHG Calculation tool (Complete)**
  - Fully covers Scope 1 and 2 emissions accounting
  - Cover Scope 3 upstream categories
  - Automatic calculation
- ✓ **MOEN GHG Campaign Form (Complete)**
  - Nail the questions in emission sources
  - Use to collect data inputs from facilities
- ✓ **MOEN GHG Working Instruction (Complete)**
  - Detailed process in data collection and calculation
  - Detailed process flow charts



GHG Processes prepared for independent 3<sup>rd</sup> party audit

**Program has kicked-off**

**Industry leading process with the most comprehensive emission factors**

**Sustainable Practices**

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# Nidec

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