Management Overview of Fiscal Year 2023

(ended March 31,2024)



May 8, 2024

IHI Corporation

Hiroshi Ide President and Chief Executive Officer

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Advanced in each business category toward medium-and long-term growth objectives

Development -focus businesses

 Steadily developed fuel ammonia value chain business, notably by conducting the world's first fuel 20% ammonia substitution demonstration test at JERA's Hekinan Thermal Power Station

Growthbusinesses

- Fully accounted for costs of additional inspection program for PW1100G-JM engines in fiscal 2023
- No change in expected number of aircraft on ground or related compensation and additional maintenance costs under program excluding forex impact
- Civil aero-engine business entered growth phase, while defense, space, and civil aviation maintenance, repair, and overhaul work expanded steadily

Conventional businesses

- Lifted lifecycle business revenues and orders by 50% from fiscal 2019 level, and seek further profitability gains
- Accelerated transformation of low-profit businesses into lean entities through structural reforms, business portfolio reviews, and other initiatives



Thorough companywide initiatives to bolster operating cash flow Investments to foster medium- and long-term growth while maintaining financial discipline

Strengthen operating cash flows

Key initiatives

- Expand civil aero-engine and defense businesses
- Expand profitability through lifecycle businesses
- Reduce working capital

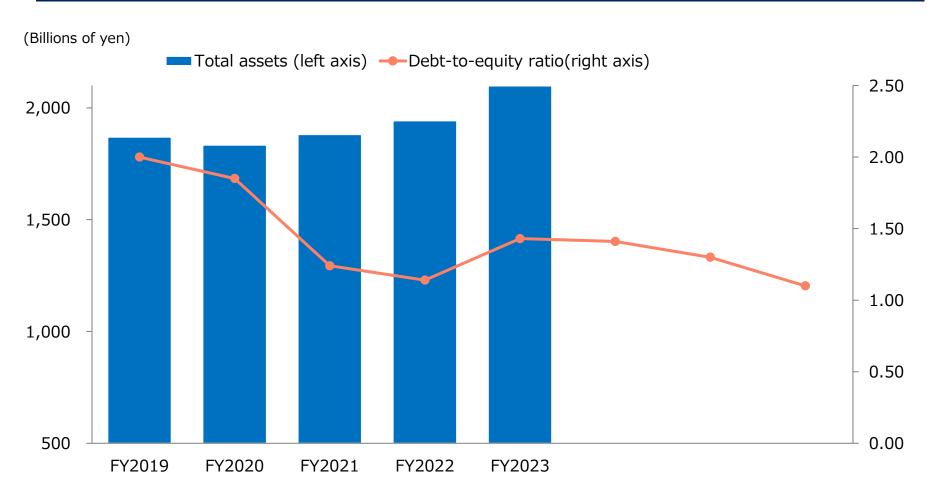
Overhaul business portfolio

Divest assets





Strengthening the Balance Sheet by Profit Growth, Streamlining the Business Portfolio and Asset Sales



Note: FY2023 represents the year ended March 31,2024

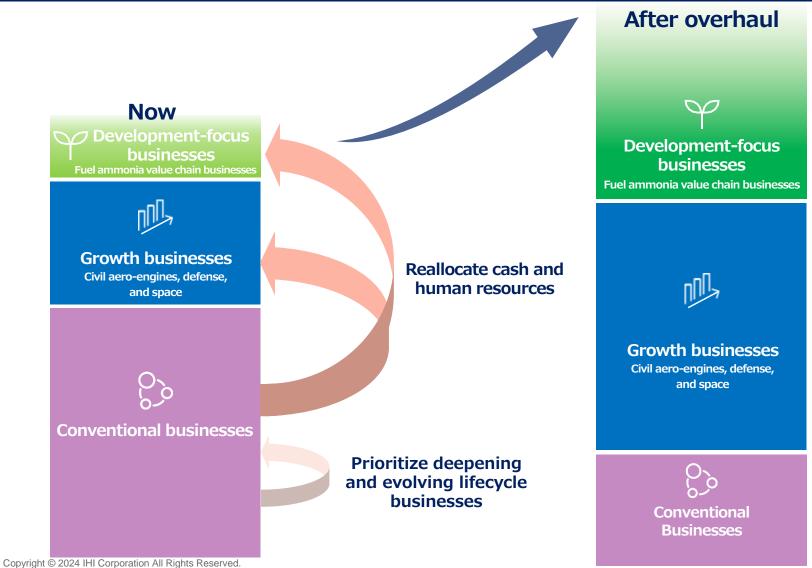
Medium- and Long-Term Business Portfolio Stance



Medium- and Long-Term Business Portfolio Stance



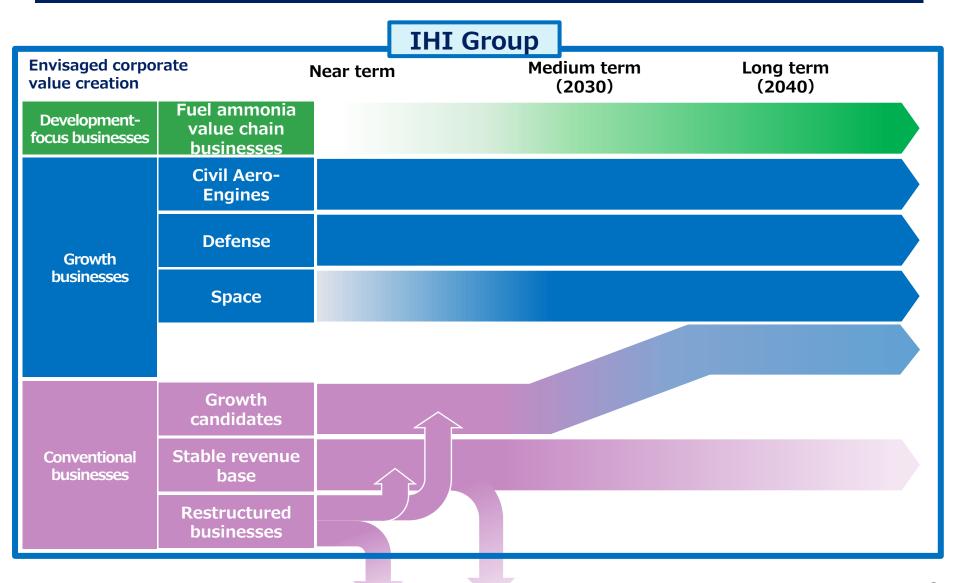
Development-focus and growth businesses to underpin medium- and long-term expansion



Medium- and Long-Term Business Portfolio Stance



Pursue sustainable growth by overhauling businesses



Growth Businesses (Civil Aero-Engines, Defense, and Space)

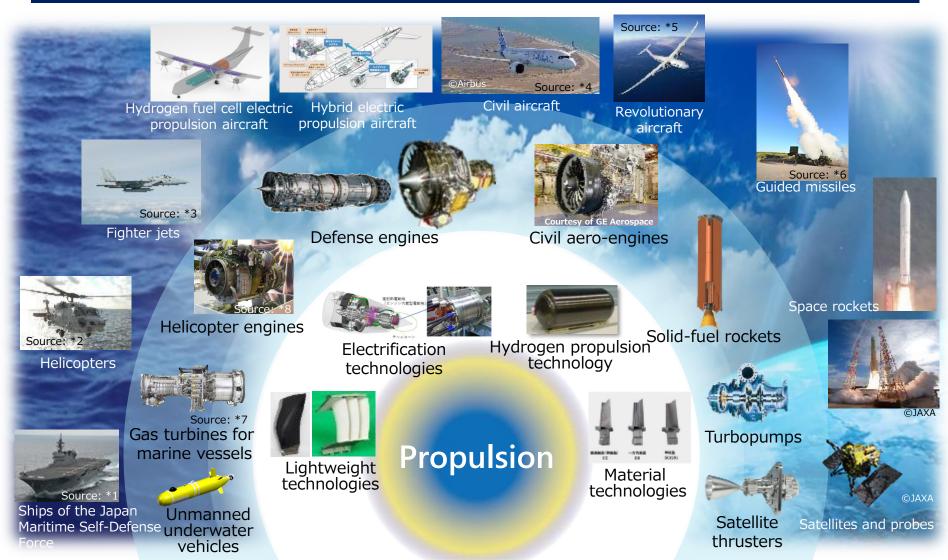


Growth Businesses

Overview for Civil Aero-Engines, Defense, and Space



Supply core propulsion technologies from space to the oceans



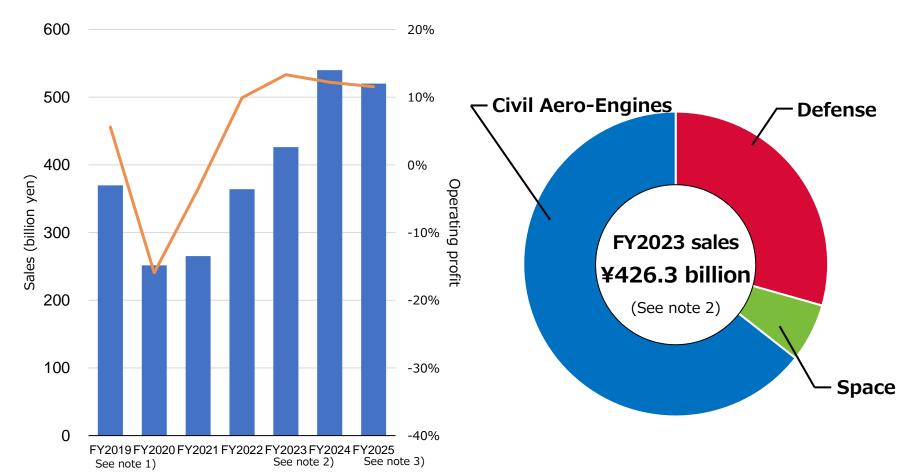
Note: See Appendix 2 on slide 28 for sources

Growth Businesses

Overview for Civil Aero-Engines, Defense, and Space



Sales and operating profits have grown significantly, exceeding pre-pandemic levels



Note 1: FY2019 figures is based on IFRS

Note 2: Excluding impact of PW1100G-JM powder metallurgy issue in FY2023

Note 3: FY2025 forecasts disclosed in Group Management Policies 2023 subject to revisions based on future exchange rate fluctuations

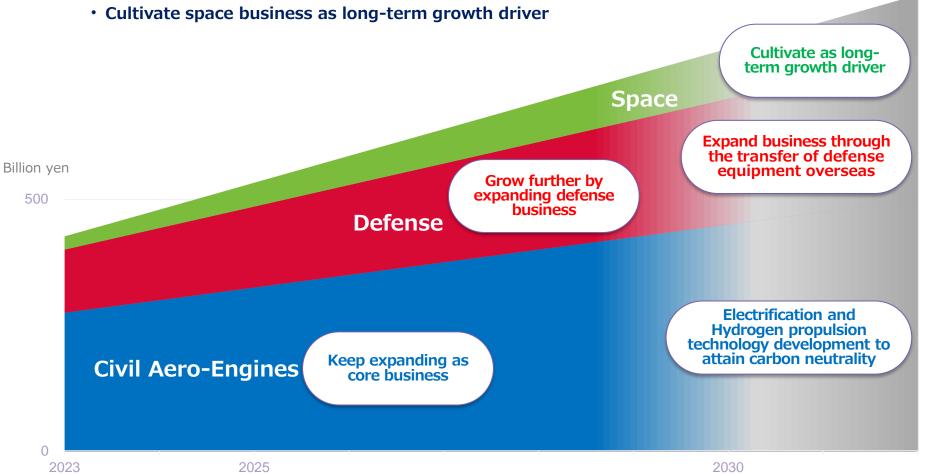
Growth Businesses

Growth Prospects for Civil-Aero Engines, Defense and Space



Pursue sustainable growth in civil aero-engine, defense and space segments

- · Generate steady growth in civil aero-engine business to meet rising air travel demand
- Expand defense business in response to Japan's Basic Defense Policy, "Fundamental reinforcement of Japan's defense capabilities"



Note: Excluding impact of PW1100G-JM powder metallurgy issue in FY2023

Growth Businesses Future-Oriented Initiatives



Expand and create new businesses by synergizing technologies and expertise in civil and defense business

Cultivate business through dual use in defense and civil sectors

Apply satellite data in:

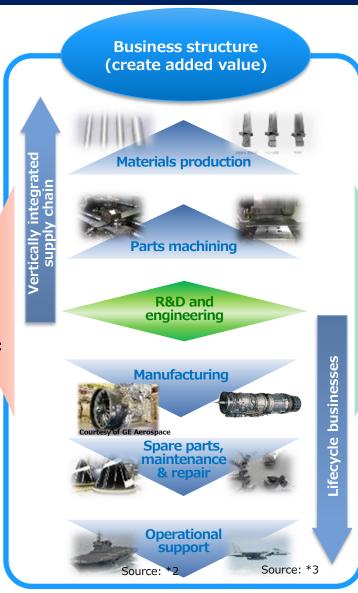
- Forest management
- Multi-domain surveillance systems combined with unmanned vehicles



Apply solid-fuel rocket technology in:

- Satellite launch business
- Defense rocket motors





Operate globally by sharing civil aeroengine through defense expertise

Engine parts exports (Transfer of defense equipment overseas)



F135 engine maintenance



Next-generation fighter aircraft (Global Combat Air Programme)

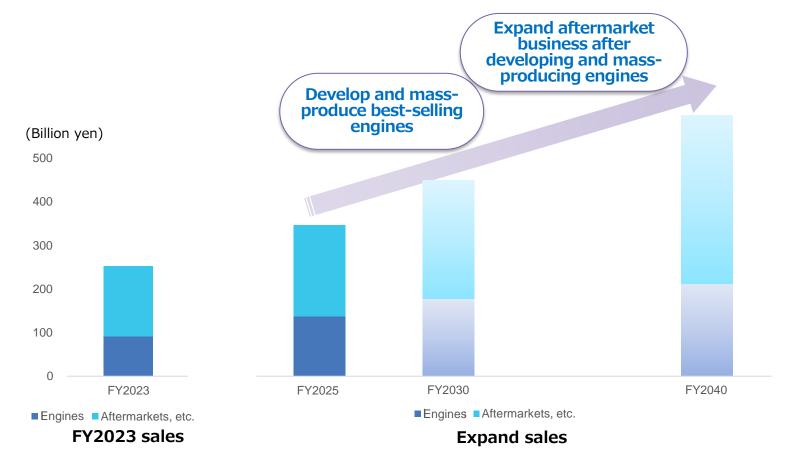


Note: See Appendix 2 on slide 28 for sources 14



Expand sales and improve profitability by linking development and mass production to aftermarket business

- Spare parts sales rebounding, particularly for small and medium-sized models, on air travel growth
- Seeking to enhance sales and profitability by leveraging virtuous circle in aftermarket business for engine development and mass production programs in which IHI has participated





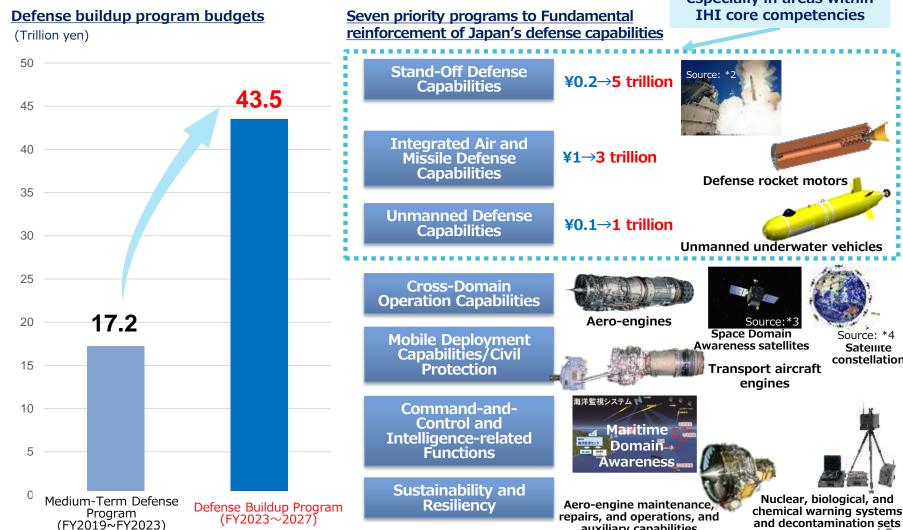
Source: *4

Satemite constellation

Leverage technological prowess to contribute to "Fundamental reinforcement of Japan's defense capabilities"

Japanese government aims to increase defense budget to 2% of GDP by FY2027

Large budget allocations, especially in areas within **IHI** core competencies



auxiliary capabilities

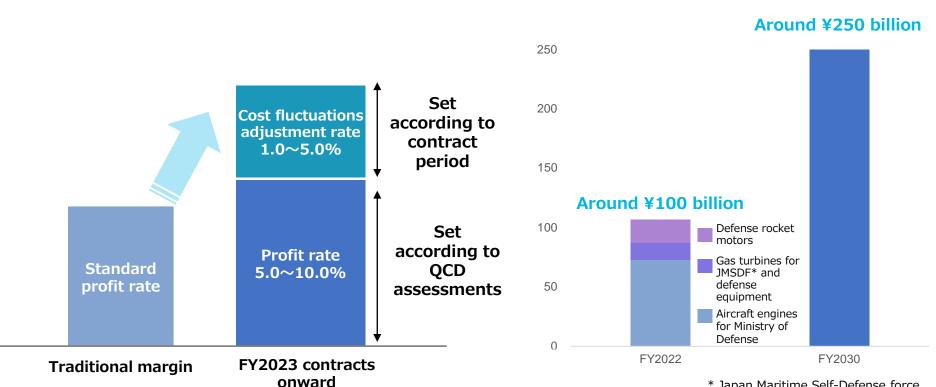


Expanding sales and securing appropriate earnings in light of defense budget growth and institutional reforms

Enhancing profit margins as part of defense industry policy

IHI's defense business sales

Targeting 2.5-fold sales growth and 10% profit margin compared with FY2022 levels



^{*} Japan Maritime Self-Defense force

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[·] Corporate efforts reflected in profit margins through Ministry of Defense evaluations of quality, cost, and delivery management

Deploying a cost fluctuation adjustment rate absorbs the risk of cost increases from higher prices and other uncontrollable factors

Global Combat Air Programme (GCAP) Engagement



Enhance collaboration with government and British and Italian companies to advance program

- IHI has participated as engine provider since 2020 in Ministry of Defense's next-generation fighter aircraft development project
- Under GCAP, will play a vital role by stepping up collaboration with the public and private sectors
- Exercise our engineering capability to ensure GCAP's success and contribute to Japan's security and industrial advances



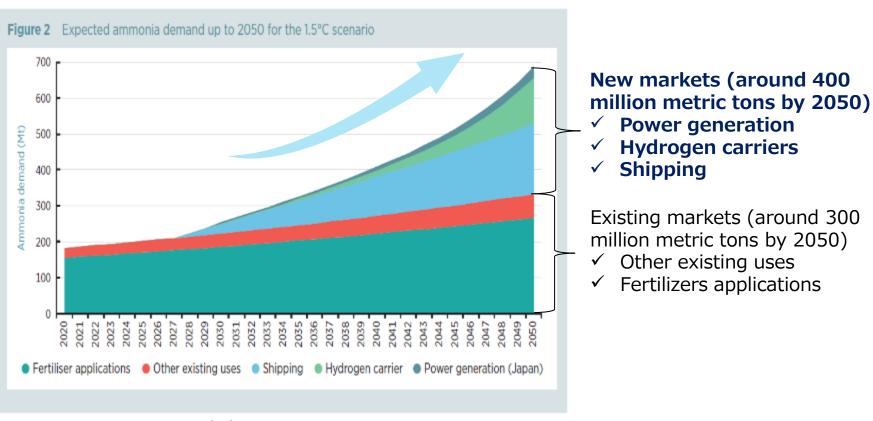
Development-Focus Businesses (Fuel Ammonia Value Chain)





Global ammonia demand expected to reach 700 million metric tons by 2050

Global ammonia demand



Source: IRENA Innovation Outlook Ammonia 2022

Development-Focus Businesses Fuel Ammonia Value Chain Goals



Leveraging technological prowess across entire value chain and aiming to expand revenues and maximize earnings upstream, midstream, and downstream

Manufacturing

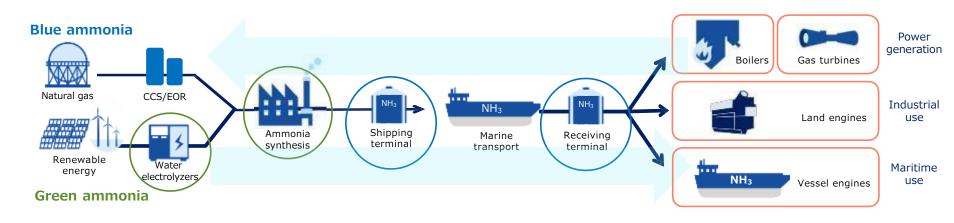
Storage and transportation

Utilization

Ammonia production technologies

Ammonia receiving and storage technologies

Ammonia combustion technologies



Fuel supply business

Fuel handling business

Equipment supply and afterservice business

Build value chain with global partners

Development-Focus Businesses

Progress with Ammonia Value Chain Businesses



Production

Initiated study with ENOC to explore feasibility of Dubai's first green ammonia production and sales project



Utilization

Joined with Adani to launch combustion trials deploying ammonia combustion technology at thermal power plants in India



Utilization

Undertook ammonia co-firing tests at 1FRA's Hekinan Thermal **Power Station**



Storage and shipping

Production

with Pupuk

Began exploring Indonesian green

ammonia production and co-firing business

Agreed with Vopak to jointly study lowcarbon ammonia terminal development and operation

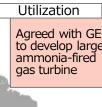


Fuel ammonia value chain business sales

Billions yen

500





to develop large



Production

ammonia production and sales business in

Production Partnered with ACME to explore green

Oman

Reached basic agreement with ACME on supplying green ammoniá from India to Japan



FY2023 FY2030

FY2040

FY2050

Production

Began looking to invest in Australian green ammonia production and sales in Australia thorough joint venture of four Japanese and Australian companies



Utilization

Agreed with PETRONAS unit to commercially demonstrate world's first ammonia-fired gas turbine in Malaysia



Utilization

Partnered with Sembcorp Industries, and GE Vernova to explore ammonia combustion facilities retrofitting at Sembcorp's gas-fired Sakra Power Plant on Singapore's Jurong Island



Utilization

Finished ammonia and biomass combustion feasibility study with Malaysia's TNB Power Genération to decarbonize its coalfired power stations



Looking beyond "Group Management Policies 2023"





By integrating, uniting, and enhancing the diverse technologies as the sources of our value, we forge new value for our customers moving beyond traditional products and services

Technology is the cornerstone of everything we do and the value we deliver. It spans everything from the regular to the revolutionary. We enhance the strength and value of our technologies by strategically combining them.

Historically, we have focused on delivering value through products. In coming years, we will concentrate more on value itself, seamlessly aligning it with what our customers seek. We remain committed to forging meaningful connections with the value we provide.





Appendix



Appendix 1: Previous Disclosure Materials



- ✓ Business Area Briefings (on September 27, 2023)
 - Resources, Energy & Environment
 - Social Infrastructure
 - Industrial Systems & General-Purpose Machinery
 - Aero Engine, Space & Defense

Appendix 2: Links for Sources (some in Japanese only)



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*1 Maritime Self-Defense Force website

*2 Maritime Self-Defense Force website

*3 Air Self-Defense Force website

*4 Maritime Self-Defense Force website

*5 Maritime Self-Defense Force website

*6 Mttps://www.mod.go.jp/msdf/equipment/ships/ddh/izumo/

https://www.mod.go.jp/msdf/equipment/rotorcraft/patrol/sh60k/

https://www.mod.go.jp/asdf/equipment/sentouki/F-15/index.html

*4 AIRBUS https://mediacentre.airbus.com/element?id=542614

https://commons.wikimedia.org/wiki/File:Boeing SUGAR Volt concept aircraft 2010.jpg

https://www.mod.go.jp/asdf/equipment/other/Patriot/index.html

https://www.gevernova.com/gas-power/products/gas-turbines/Im2500

https://commons.wikimedia.org/wiki/File:CT7 T700 P1220751.jpg (Copyright: David Monniaux)

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*5 Wikimedia Commons

*8 Wikimedia Commons

*7 GE Vernova

*6 Air Self-Defense Force website

*1 Air Self-Defense Force website

*2 Maritime Self-Defense Force website

*3 Air Self-Defense Force website

*4 Ministry of Defense website

*1 Air Self-Defense Force website

https://www.mod.go.jp/asdf/equipment/other/Patriot/index.html
https://www.mod.go.jp/asdf/equipment/ships/ddh/izumo/
https://www.mod.go.jp/asdf/equipment/ships/ddh/izumo/
https://www.mod.go.jp/jolicy/defense/nextfighter/index.html

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*1 Based on Medium-Term Defense Program (FY2019~FY2023) and Defense Build-Up Program

*2 Maritime Self-Defense Force website https://www.mod.go.jp/msdf/release/202211/20221121-1.pdf

*3 Northrop Grumman https://wpcontent.ot5o9s93syrb.net/wp-content/uploads/GEOStar-1-DS-64.pdf

*4 Cabinet Office website https://www8.cao.go.jp/cstp/anzen_anshin/20221021_meti_3.pdf

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*1 Ministry of Defense website https://www.mod.go.jp/j/policy/defense/nextfighter/index.html



Forward-looking figures shown in this material with respect to IHI's performance outlooks and other matters are based on currently available information, and therefore contain risks and uncertainties. Consequently, you should not place undue reliance on these performance outlooks in making investment decisions. Actual results could differ materially from those discussed in these performance outlooks due to several important factors. They include political environments in areas in which IHI operates, general economic conditions, and the yen exchange rate including its rate against the US dollar.