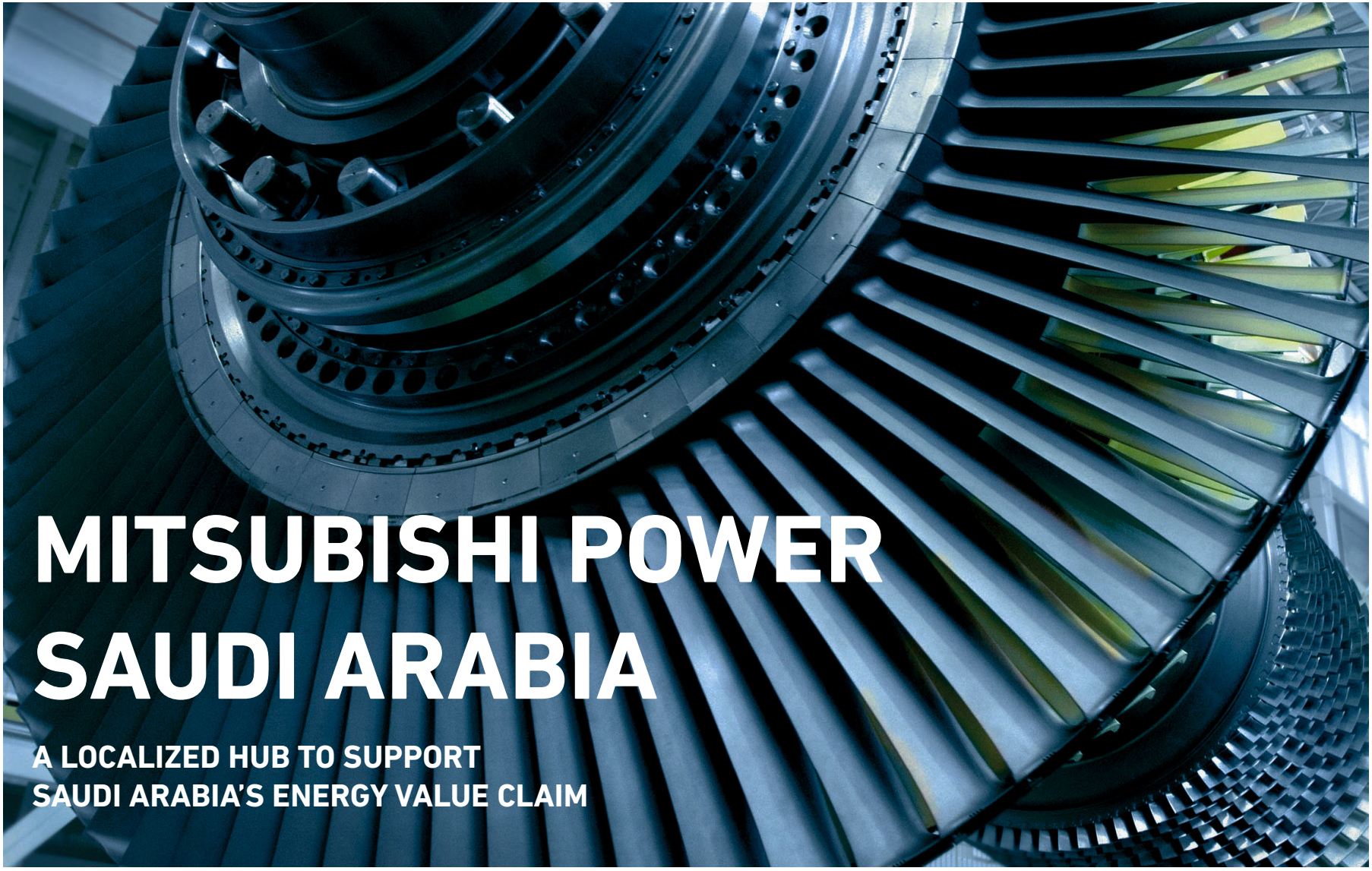
MITSUBISHI POWER



MITSUBISHI POWER SAUDI ARABIA

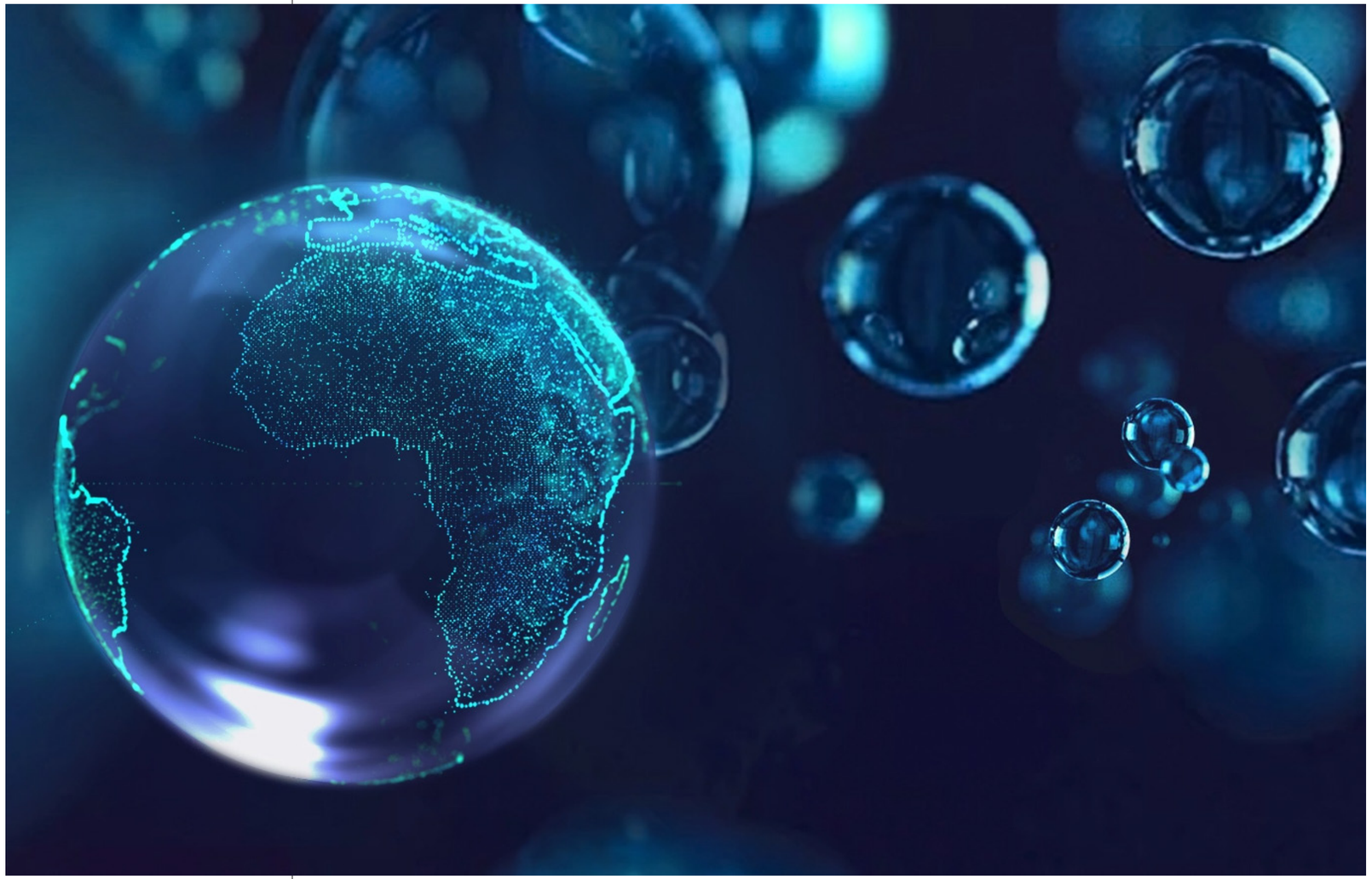
A LOCALIZED HUB TO SUPPORT SAUDI ARABIA'S ENERGY VALUE CLAIM

MOVE THE WORLD FORW>RD MITSUBISHI HEAVY INDUSTRIES GROUP

WHAT WE DO

Mitsubishi Power, the power solutions brand of Mitsubishi Heavy Industries, Ltd. (MHI) is a world leader in power generation and energy storage solutions – effectively designing, manufacturing, building, servicing, and optimizing power systems for people and the planet. The company operates in over 30 countries around the world with global headquarters in Yokohama, Japan and regional offices in Dubai, Singapore, Shanghai, London, and Florida.

Building on more than a century of innovative engineering and distinctive service, Mitsubishi Power is collaborating with customers, governments, utilities, and industry leaders to drive decarbonization agendas while addressing the energy challenges of today and tomorrow, to create a future that works for both people and the planet.



OUR OPERATIONS IN SAUDI ARABIA

With a growing presence across the Middle East over the past 55 years, Mitsubishi Power has proudly supplied gas and steam turbines to the region. In 1965, Mitsubishi Power began operations in the MENA region with its first supply of boilers to Saudi Arabia at Aramco in Abqaiq and has since been active in utility and industrial power projects with major power players in the Kingdom.

Aligning with Saudi Arabia's Vision 2030, Mitsubishi Power's aims to link short-term and long-term reliable solutions and support the region's investment efforts for power efficiency and power supply stability. The company adopts the pillars of reliability, efficiency, and sustainability to drive energy successes in the region, and is positioned to enable the evolution of the power sector in line with Saudi Arabia's Vision 2030.

MITSUBISHI POWER WORKS WITH KEY ENERGY STAKEHOLDERS IN KSA INCLUDING:

وزارة الطاقة
MINISTRY OF ENERGY

المؤسسة العامة لتحلية المياه المالحة
Saline Water Conversion Corporation

سابك
sabic

الشركة السعودية للكهرباء
Saudi Electricity Company

أرامكو السعودية
saudi aramco

صندوق الاستثمارات العامة
Public Investment Fund
1391 1971

Mitsubishi Power signed a Corporate Procurement Agreement with Saudi Aramco for Gas Turbine maintenance in 2014, and then in line with the iktva initiative, Mitsubishi Power established a service and repair centre for Hot Gas Path Parts components and a rotor maintenance centre in Dammam, which was audited and accredited by Saudi Aramco.

NUMBER OF EMPLOYEES

113 Total number of employees

54% Saudi Nationals as staff

"The Kingdom's Vision 2030 and its commitment to net-zero by 2060 is testament to the leadership's ambition of transforming the nation, economically and environmentally. Mitsubishi Power is a long-term power partner to Saudi Arabia and has been active in utility and industrial power projects with major power players in the Kingdom. Our brand's industry-leading power technology, combined with a strong localization strategy, has enabled us to provide the best power solutions and value to Saudi Arabia's power infrastructure expansion. We will continue to dynamically support the Kingdom's vision and reinforce our commitment through localization of the energy value chain, innovative power solutions and partnerships."

KHALED SALEM

President, Mitsubishi Power Middle East & Africa (MEA)

MITSUBISHI POWER SAUDI ARABIA ASSEMBLY FACILITY

Set on a 17,200 square meter combined facility, the Mitsubishi Power Saudi Arabia gas turbine blade and vane maintenance facility provides Hot Gas Path Parts (HGPP) and rotor maintenance support for customers in the GCC and generates employment in Saudi Arabia. The Assembly facility is located in Dammam 2nd Industrial City, near Mitsubishi Power's Gas Turbine Rotor & Compressor Repair Centre.

THE FACILITY PROVIDES THE FOLLOWING SERVICES:

- ✔ Field Service Center
- ✔ Repair Center (Heavy)
- ✔ HGPP (Combustor)
- ✔ HGPP (Combustor) Repair Center (Light)
- ✔ GT Rotor Inspection Center
- ✔ Parts Logistic Center
- ✔ O&M Training Center
- ✔ HGPP (Blade/Vane) Repair Center

Mitsubishi Power's assembly program has targeted Mitsubishi Power's M501 Gas Turbines which are the most efficient and highest output GT technology in its class, a best fit for future projects. The Assembly facility will have the capability to assemble one Gas Turbine every two months. This capacity will be sufficient to deliver gas turbines for Mitsubishi Power's new projects in the Kingdom within the delivery timeframe, ensuring efficient response times for customers.

MITSUBISHI POWER SAUDI NATIONAL PROGRAM

With Saudi Arabia as a cornerstone of the company's regional activities, Mitsubishi Power launched a National Program in 2019, to prioritize the development of local talent and expand industrial facilities and capabilities in Dammam to serve Saudi Arabia and the wider region, in line with iktva and Saudi Vision 2030. Mitsubishi Power is deploying training and development programs structured as a mix of classroom and on-the-job training, both in Saudi Arabia and in Japan.

LAUNCHED IN 2019

DRIVE DOMESTIC VALUE

LOCALIZING IN KSA

COMPETITIVE IN MANUFACTURING SECTOR

DEVELOPING THE MASTERY WITHIN SAUDI WORKFORCE

GREATER ENERGY EFFICIENCY

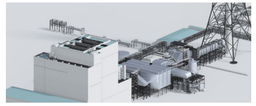
We have achieved 54% of our Saudi talent development plan and are looking forward to accomplishing our Saudization target of 60% by 2023

OUR TOTAL ENERGY SOLUTIONS

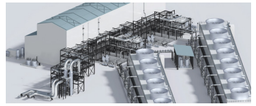
From pioneering the world's largest, most efficient, and most reliable gas turbines, to hydrogen powered GTs, energy storage, and carbon utilization technologies, total energy management solutions, and power infrastructure digitalization, Mitsubishi Power is making significant investments to create a sustainable future. With a 100+ year track record of excellence in the energy industry, Mitsubishi Power develops the world's most innovative clean power solutions and digital offerings for customers, empowering them at every stage of their energy transition journeys, affordably and reliably.

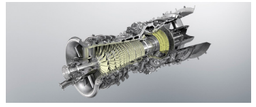
PRODUCTS

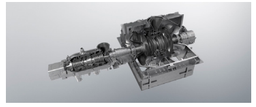

GTCC

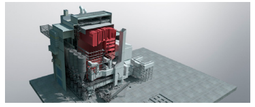

Steam Power

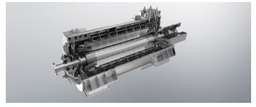

IGCC


Geothermal


Gas Turbines


Steam Turbines


Boilers


Generators

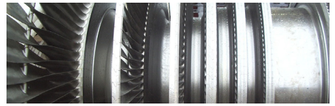

Control Systems

Fuel Cells


Others

SERVICES


Gas Turbines


Steam Turbines


Boilers


Generators


Air Quality Control System (AQCS)

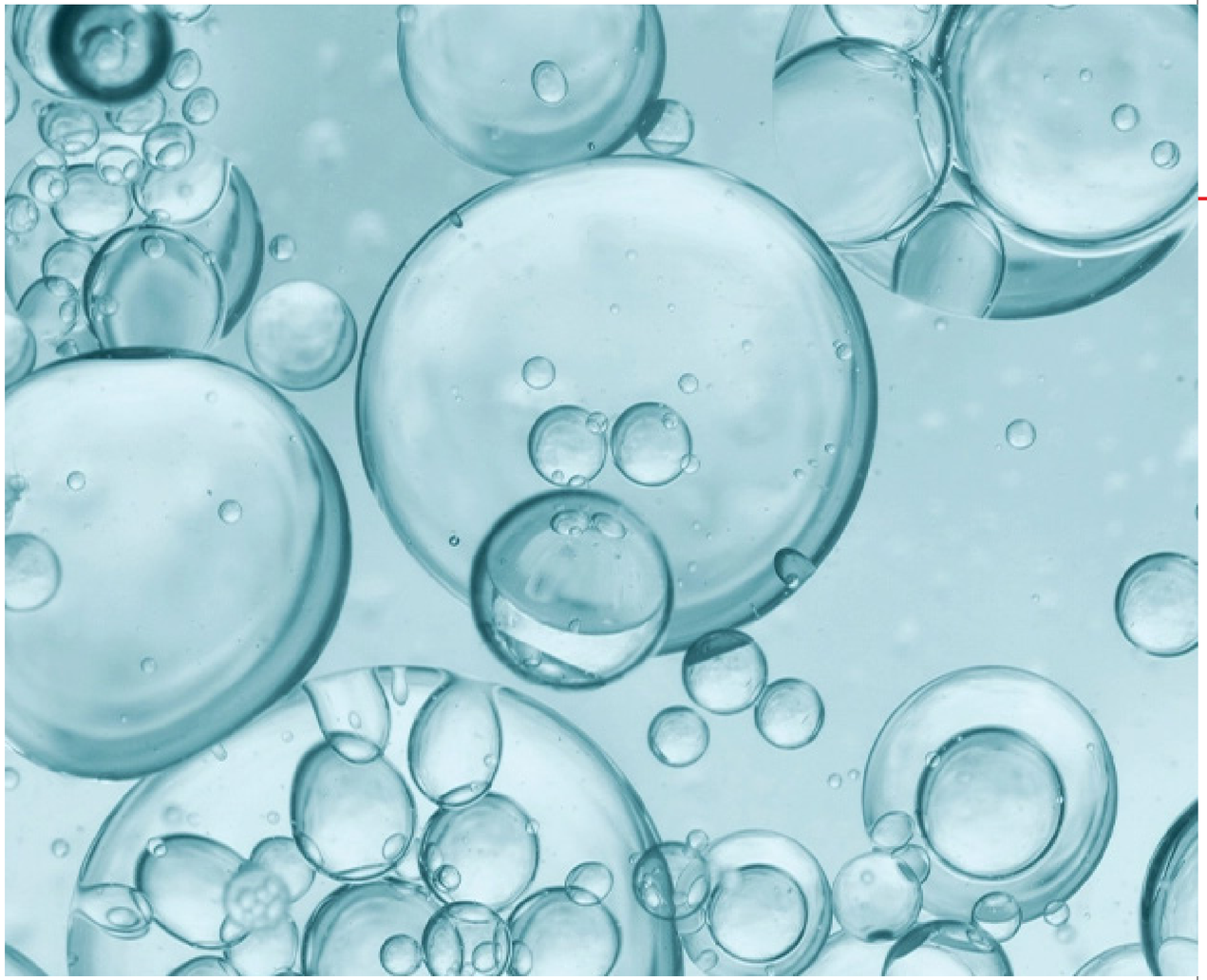

Long Term Service Agreement


Support of Operation and Maintenance


Training


Comprehensive Maintenance


Intelligent Solutions TOMONI®



DECARBONIZING GAS TURBINES: OUR HYDROGEN EXPERTISE

Mitsubishi Power has long pioneered hydrogen fuel combustion technologies, and our recent large-scale and ambitious projects demonstrate our commitment and accumulated expertise in this field.

Commercializing hydrogen is now a global priority, to scale its use. Mitsubishi Power, along with Mitsubishi Heavy Industries (MHI) are fast-tracking this process through projects such as the recently announced Takasago Hydrogen Park, the world's first center for the validation of hydrogen-related technologies, from hydrogen production to power generation, which will support the commercialization of small and large frame gas turbines.

Mitsubishi Power is building a value chain for hydrogen, from production to use, through further integration and advancement of the existing energy infrastructure and hydrogen-related technologies. By further developing this approach and linking it with many different types of hydrogen-centric industries, MHI aims to establish a hydrogen ecosystem that will accelerate its commercialization through verification at the Takasago Hydrogen Park.

Mitsubishi Power is committed to bringing our most advanced solutions and services to Saudi Arabia, to support our customers achieve an optimal transition to a clean energy future with a resilient, reliable, and robust energy supply.

OUR NET-ZERO JOURNEY

Mitsubishi Heavy Industries have set two ambitious new targets to realizing a carbon neutral society. MHI Group is aiming to remove all carbon dioxide emissions from its own operations by 2040 – cutting emission by half by 2030 (compared to 2014). MHI Group is also adopting a new goal to achieve Net Zero emissions through its entire value chain by 2040. These targets include the reduction in emissions attributed to our customers' use of our products and services, and the reduction contribution from MHI's Carbon dioxide Capture, Utilization and Storage (CCUS) business.

Net zero is a social and scientific imperative and highly achievable. Mitsubishi Power sees five interdependent factors that pave the way to net-zero and on this journey, and must ensure that decarbonization solutions are accessible, reliable, and affordable, across industries and geographies – as a company, as an industry and as a society

✔ PARTNERSHIP AND COLLABORATION
The need to collaborate in unprecedented ways to develop technologies and business models that enable sustainable growth

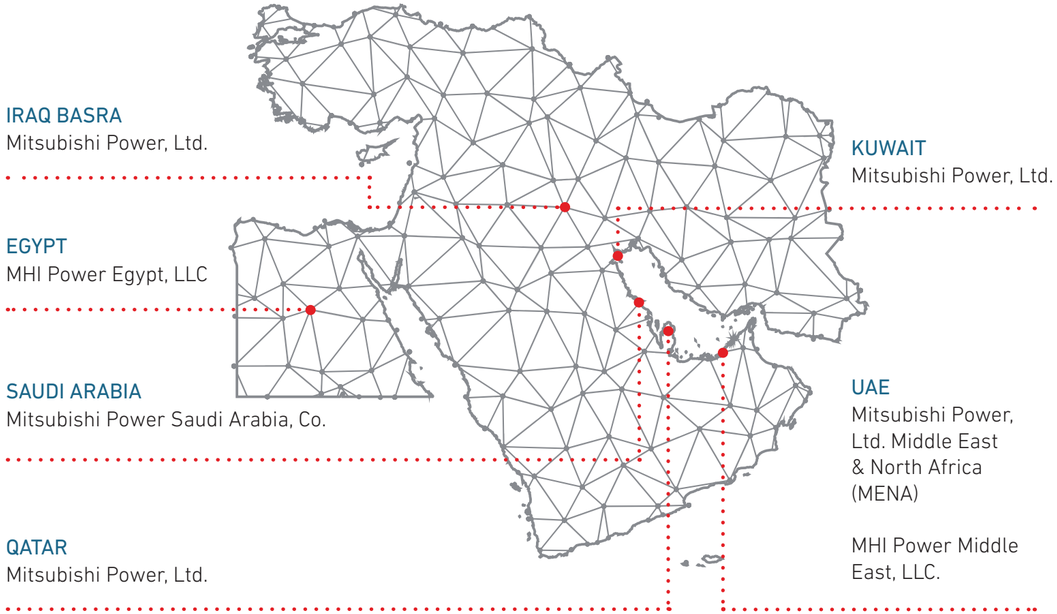
✔ TECHNOLOGY AND INFRASTRUCTURE
The is a need for scale and the acceleration of a broad range of existing and new decarbonizing technologies

✔ JOBS AND SKILLS
Net-zero will be achieved with the people who can deliver it, so jobs and skills will be crucial. There is a need to create a culture of continuous learning, enabling talent to evolve and thrive with rapidly changing technologies

✔ POLICY AND REGULATIONS
This will play a pivotal role in incentivizing the shift to low or zero carbon technologies. There is a need to globally align regulations that support ambitious yet pragmatic net-zero goals and mitigate any imbalance across the world

✔ FINANCE
Lastly, the transition needs to be financed and needs to be backed by viable business cases. There is still work that needs to be done to explore new viable financial models for low-carbon solutions to reduce risk and accelerate adoption

OUR MIDDLE EAST PRESENCE



For more information, please visit https://power.mhi.com/regions/mena/

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