Annex A: Company and Projects funded by REG(E) grant

No.	Company	Company description	Details of REG(E) funded activities
1	Evonik	Evonik has been in Singapore since 1969 and today employs over 600 people, with investments exceeding S$1.6 billion. The city hosts its regional headquarters for Asia Pacific South, alongside innovation hubs and technical service centres for coatings, animal feed, and beauty and care. Singapore is also home to Evonik's largest global methionine production site, reflecting strong confidence in the country's role as a high-value manufacturing hub. The company opened its first methionine plant in 2014, doubled capacity soon after, and invested a further €500 million in a second plant in 2016 to serve rising demand across Asia. Beyond methionine, Evonik operates an oil additives plant on Jurong Island—expanded in 2015 into its largest worldwide—which incorporates advanced automation to improve energy efficiency and reduce waste.	Evonik's capacity expansion project successfully implemented significant carbon abatement measures to reduce the product carbon footprint by 6% while simultaneously increasing the plant's production capacity. This includes combustion optimisation as well as process intensification to reduce steam usage. The aggregated reduction in steam enables it to be redirected to a steam turbine to recover the energy as electricity for process usage. One standout initiative in process intensification is the optimisation of the vacuum system for the crystallisers, achieved through extensive collaboration between Evonik's plant operational personnel and technology excellence experts in Germany. This has resulted in annual energy savings of 65 terajoules.
2	ExxonMobil	ExxonMobil Asia Pacific is one of Singapore's largest foreign-backed manufacturing investors with over S$30 billion in fixed asset investments. Its	ExxonMobil's integrated manufacturing complex in Singapore uses technologies that reduce, recycle, and reuse energy, such as cogeneration. The complex has three

		manufacturing facilities include an integrated world-scale refining and petrochemical complex, as well as a lubricant plant. The company provide customers and markets in the region with fuels, lubricants, petrochemicals and liquefied natural gas. ExxonMobil is also growing its lower-emission fuels portfolio and low carbon solutions business to bring emission-reduction solutions to the region. We have also invested in supporting research in Singapore for lower-emission pathways and sustainable solutions.	cogeneration facilities, which can generate more than 400MW of electricity and steam for our operations, and contribute to energy efficiency. ExxonMobil Asia Pacific Pte. Ltd. has also won multiple Energy Efficiency National Partnership (EENP) "Best Practices" awards and honourable mentions - most recently for its Olefins Compressors Surge Margin Optimisation and Olefin Plant Turbine Extraction Optimisation projects in 2021 and 2023, respectively. The company's Global Energy Management System was also recognised in the 2017 EENP awards, with the "Excellence in Energy Management". It continues to evaluate and progress opportunities to improve energy efficiency and reduce carbon emissions in its Singapore operations. Over the last two years, over 10 such initiatives have been executed.
3	Air Liquide	Air Liquide is a French-based multinational company that specialises in industrial gases and services for industry, health, and the environment. In Singapore, Air Liquide started its operations in 1911 and now employs more than 650 employees. With assets of $ 2 billion, Air Liquide Singapore operates the largest network of air separation plants and gas production facilities, strategically located on 21 sites in Singapore. Through a unique	Air Liquide is advancing decarbonisation in nitrous oxide (N_2O) production through a pioneering abatement system that could cut emissions by over 15,000 tonnes of CO_2 equivalent annually. The project will roll out in two phases: • **Phase 1:** Capture N_2O vented during purification and storage, halving emissions.

		blend of advanced equipment, processes and systems while being supported by a highly engaged and competent workforce, Air Liquide Singapore can partner with diverse industry players to support the Singapore economy.	• **Phase 2:** Deploy a membrane recovery unit with Air Liquide's proprietary gas separation technology, delivering an additional 50% cut in N_2O emissions. By combining technical expertise with innovation, Air Liquide is improving its sustainability performance and setting a new benchmark for the industry.

Annex B – Speciality Chemicals Investments

I) Projects situated on Jurong Island

Company	Country of Origin	About the Project	About the Company	Link
2022				
Badische Anilin- und Sodafabrik (BASF)	Germany	In March 2022, BASF expanded production capacity for its Irganox® 1010 antioxidant at its Jurong Island site in Singapore. The project integrated a new production line into existing facilities, doubling output to meet rising demand in Asia and the Middle East. The expansion strengthens supply flexibility and reliability, reinforcing Singapore's role as a regional hub for advanced additives in the plastics industry.	BASF is one of the world's largest chemical companies, headquartered in Ludwigshafen, Germany. Its portfolio covers chemicals, materials, industrial solutions, surface technologies, nutrition and care, and agricultural solutions. BASF operates in over 90 countries with more than 110,000 employees and generated sales of €68.9 billion in 2023.	Link
2023				
Sumitomo Seika Chemicals Co., Ltd.	Japan	In July 2023, Sumitomo Seika Chemicals announced a US$160 million expansion of its super absorbent polymer production facility on Jurong Island, Singapore. The project will add 70,000 tons of annual capacity, bringing the site's total to 140,000 tons by October 2025. The investment responds to growing demand in Southeast Asia's diaper market and will raise the Group's global capacity for super absorbent polymers to 520,000 tons per year.	Sumitomo Seika Chemicals, headquartered in Japan, is a global chemical company engaged in the manufacture and sale of super absorbent polymers, functional chemicals and gases. The company serves diverse markets worldwide and focuses on innovation to address environmental and social needs.	Link

		The expansion reinforces Singapore's role as a strategic base for advanced materials serving regional consumer markets.		
SPCI HELM SINGAPORE PTE. LTD(SPC-HELM)	Singapore / Germany	In 2023, SPC-HELM opened a new sulphur processing plant on Jurong Island, Singapore. Covering 28,000 sqm, it is the largest facility of its kind in the region, converting molten sulphur into pellets for export and turning refinery by-products into valuable resources. The plant supports industries such as fertilisers, adhesives, asphalt and animal feed additives, while reducing carbon footprints and transport costs. The investment strengthens Singapore's role as a hub for sustainable and circular economy solutions in the chemicals sector.	SPC-HELM is a joint venture between South Pacific Chemical Industries (SPCI), a Singapore-based company specialising in sulphur processing and trading, and HELM AG, a German chemical marketing company. SPCI plays a key role in supplying sulphur-based products in Asia and has a strong focus on developing sustainable and circular economy solutions for industrial customers.	Link
2024				
Evonik Industries AG	Germany	In August 2024, Evonik completed the expansion of its MetAMINO® (DL-methionine) production facilities on Jurong Island, Singapore. The upgrade increased capacity by 40,000 metric tons per year, bringing the total to 340,000 metric tons annually. Implemented with partner Linde, the expansion also uses green hydrogen and steam recovery, reducing the product's carbon footprint by 6% compared to before. The project strengthens Singapore's role as a key hub in Evonik's global amino acids production network.	Evonik is a leading global chemical company headquartered in Essen, Germany, active in more than 100 countries. In 2024, it generated sales of €15.2 billion with around 32,000 employees worldwide. The Custom Solutions segment focuses on tailored, innovation-driven materials and achieved sales of €5.7 billion in 2024 with about 7,000 employees. Evonik develops high-performance, sustainable solutions	Link

			across industries including coatings, healthcare, chemicals and mobility.	
2025				
Cariflex Pte Ltd	South Korea	In May 2025, Cariflex opened the world's largest polyisoprene latex plant at Jurong Island, Singapore, following an investment of over US$350 million. The facility spans 6.1 hectares and significantly increases Cariflex's production capacity to meet growing demand for high-quality synthetic latex used in medical and protective applications such as surgical gloves and condoms. The project has created about 80 new jobs, the majority for Singaporeans, and strengthens Singapore's position as a hub for specialty chemicals.	Cariflex is a global leader in isoprene rubber latex ("IR Latex") and isoprene rubber ("IR") for medical end markets and other high-value industries. It produces high value-added synthetic rubbers and latexes for medical goods such as surgical gloves and rubber stoppers for drug delivery devices. Cariflex relocated its global headquarters to Singapore in 2020 and is a wholly owned subsidiary of DL Chemical Co., Ltd.	Link
Arkema Pte Ltd	France	In July 2025, Arkema opened a €400 million plant on Jurong Island, Singapore, dedicated to producing Rilsan® polyamide 11 and Oleris® oleochemicals from castor beans. The world's largest integrated factory for bio-circular materials, it increases global PA-11 capacity by 50% and will host a new unit to triple output of Rilsan® Clear. Serving fast-growing sectors such as electric mobility, electronics and consumer goods, the investment reinforces Singapore's position as a base for sustainable advanced materials in Asia.	Arkema is a global leader in specialty materials, headquartered in France. Operating in around 55 countries with over 21,000 employees, Arkema reported sales of approximately €9.5 billion in 2024. The Group is structured into three segments: Adhesive Solutions, Advanced Materials and Coating Solutions, which accounted for 92% of sales. Arkema develops cutting-edge technologies for sustainable development, including bio-based, recyclable and high-performance materials.	Link

Kuraray Co., Ltd.	Japan	In August 2025, Kuraray held a groundbreaking ceremony for a new EVAL™ EVOH resin production plant in Singapore under its subsidiary Kuraray Asia Pacific Pte. Ltd. The facility, scheduled to start operations by end-2026, will have an initial annual production capacity of 18,000 tons, with plans for future expansion. EVOH resin is widely used in food packaging for its strong gas barrier properties, helping to extend shelf life and support recyclable packaging. The project strengthens Singapore's position as a base for sustainable packaging solutions in Asia.	Kuraray is a global leader in specialty chemicals, headquartered in Tokyo, Japan. The company manufactures and sells a wide range of materials including PVOH resin, EVAL™ EVOH resin and activated carbon. Founded in 1926, Kuraray has grown into an international business with a strong focus on sustainability and innovation.	Link
Evonik Industries AG	Germany	In August 2025, Evonik inaugurated a new alkoxides production facility on Jurong Island, Singapore. Built with a mid-double-digit million-euro investment, the plant adds 100,000 metric tons of annual capacity to meet rising demand in Asia. It will supply key industries such as biodiesel, pharmaceuticals and chemical recycling, while operating with net-zero Scope 1 and 2 carbon emissions. The Singapore site also strengthens Evonik's global alkoxides network, which includes plants in Germany, the US and Argentina.	Evonik is a leading global chemical company headquartered in Essen, Germany, active in more than 100 countries. In 2024, it generated sales of €15.2 billion with around 32,000 employees worldwide. The Custom Solutions segment focuses on tailored, innovation-driven materials and achieved sales of €5.7 billion in 2024 with about 7,000 employees. Evonik develops high-performance, sustainable solutions across industries including coatings, healthcare, chemicals and mobility.	Link

II) Projects not situated on Jurong Island

Company	Country of Origin	About the Project	About the Company	Link
2021				
Denka Company Limited	Japan	In 2021, Denka began full-scale operations of a new spherical alumina production line at its Tuas Plant in Singapore. The expansion increases capacity nearly fivefold compared to FY2018, securing Denka about 60% of global market share. Spherical alumina is a key heat-transfer material used in lithium-ion batteries, automotive components and 5G communications. The project reinforces Singapore's role as a strategic hub for advanced materials supporting next-generation mobility and electronics.	Denka, headquartered in Tokyo, Japan, is a diversified chemical company founded in 1915. It manufactures a wide range of materials including chemicals, cement, electronic materials, functional resins and medical products. The company operates globally with production bases in Asia, Europe and North America, and continues to focus on advanced specialty materials for future industries.	Link
Bühler Group and Givaudan	Switzerland	In April 2021, Bühler and Givaudan jointly opened the Protein Innovation Centre in Singapore. The facility provides state-of-the-art extrusion, culinary testing and prototyping capabilities, enabling food manufacturers and start-ups to co-create and accelerate the development of plant-based protein products. By fostering collaboration across the food ecosystem, the centre strengthens Singapore's position as a regional hub for sustainable food innovation in Asia.	Bühler Group, headquartered in Switzerland, is a global technology company offering solutions for food processing and advanced materials. Givaudan, based in Vernier, Switzerland, is a world leader in flavours, fragrances and active beauty products, serving customers worldwide with a strong focus on innovation and sustainability.	Link

2024				
Evonik Industries AG	Germany	In March 2024, Evonik established the Evonik Skin Institute, a global research institute dedicated to skin sciences. The institute combines Evonik's advanced biotechnology platform with a global network of evaluation labs to support science-driven, co-creation projects with customers. Building on over 30 years of expertise in active ingredients and 90 years in cosmetic solutions, the investment expands Evonik's biosolutions portfolio and strengthens Singapore's position as a hub for innovation in personal care and cosmetics.	Evonik is a leading global chemical company headquartered in Essen, Germany, active in more than 100 countries. In 2024, it generated sales of €15.2 billion with around 32,000 employees worldwide. The Custom Solutions segment focuses on tailored, innovation-driven materials and achieved sales of €5.7 billion in 2024 with about 7,000 employees. Evonik develops high-performance, sustainable solutions across industries including coatings, healthcare, chemicals and mobility.	Link
dsm-firmenich	Switzerland and The Netherlands	In September 2024, dsm-firmenich opened two new facilities in Tuas, Singapore – the FutureBites – Food Design Studio and the PEACE (Perfumery Automated Compounding Encapsulation) Facility. With an investment of close to S$30 million, the sites strengthen the company's research and production capabilities in food innovation and fragrances. The S$330m investment strengthens Singapore as its Asia-Pacific HQ and innovation hub, expanding R&D, production, and talent development.	dsm-firmenich is a global innovator in nutrition, health, and beauty. The company reinvents, manufactures, and combines vital nutrients, flavours, and fragrances for the world's growing population. With operations in nearly 60 countries and ~30,000 employees worldwide, it generated revenues of more than €12 billion. Listed on Euronext Amsterdam, dsm-firmenich leverages natural and renewable ingredients, science, and technology	Link

			to create sustainable, healthier solutions.	
Saudi Basic Industries Corporation (SABIC)	Saudi Arabia	In November 2024, SABIC opened a new ULTEM™ resin manufacturing facility in Singapore, following a US$200 million investment. The plant is the company's first fully owned site in Asia in over a decade and the only facility in the region producing ULTEM™, a high-performance thermoplastic. The investment doubles SABIC's global ULTEM™ capacity and reduces lead times for customers in Asia. The project positions Singapore as a key hub supporting high-tech industries across the Asia-Pacific.	SABIC, headquartered in Riyadh, Saudi Arabia, is a global leader in diversified chemicals. The company manufactures chemicals, commodity and high-performance plastics, agri-nutrients and metals. It operates in around 50 countries with over 30,000 employees worldwide and is among the world's largest petrochemicals manufacturers.	Link
2025				
Symrise AG	Germany	In September 2025, Symrise Asia Pacific opened the Enhanced Naturals @SPark innovation and technology centre in Singapore. The facility focuses on thermal treatments, extraction and biotransformation to develop sustainable, natural and plant-based product solutions across categories such as culinary, dairy and beverages. It also includes a co-development space to foster collaboration with customers. The investment strengthens Singapore's role as a hub for food innovation and natural ingredient technologies in Asia.	Symrise, headquartered in Holzminden, Germany, is a global supplier of flavours, fragrances, cosmetic ingredients and nutrition solutions. Founded in 2003, the company now operates in more than 100 locations worldwide and serves customers in over 150 countries. Symrise is listed on the Frankfurt Stock Exchange.	Link

Lubrizol Southeast Asia Pte Ltd	United States	In July 2025, Lubrizol opened its new Southeast Asia Innovation Center in Jurong, Singapore. Spanning 15,000 sqm, the facility integrates laboratories, immersive experience zones and collaboration spaces to accelerate R&D and product development. It will support industries such as mobility, infrastructure, mining, data technology, beauty, personal care and healthcare. The centre will support industries such as mobility, infrastructure, mining, data technology, beauty, personal care and healthcare, while strengthening partnerships with the Singapore Economic Development Board and United Oil to drive joint innovation.	Lubrizol, a Berkshire Hathaway company, is a global leader in specialty chemicals, delivering sustainable solutions that advance mobility, improve well-being and enhance modern life. Founded in 1928 and headquartered in the United States, Lubrizol operates more than 100 manufacturing facilities, sales and technical offices worldwide, employing over 7,000 people.	Link
IFF (International Flavors & Fragrances Inc.)	United States	In July 2025, IFF expanded its Singapore Innovation Center with a new Immersive Experience Hub following a US$30 million investment. The hub enables IFF to work with customers to conceptualise, test and refine products in simulated real-world environments, accelerating product design, enhancing customer collaboration and improving speed-to-market. The facility complements IFF's largest dairy and beverage pilot plant in Southeast Asia and strengthens Singapore's role as a regional innovation hub for the flavours and fragrances industry.	IFF is a global leader in flavours, fragrances, food ingredients, health and biosciences, headquartered in New York, United States. The company delivers sustainable innovations that support consumer goods, food and beverage, and health industries worldwide. IFF operates research, development and manufacturing facilities across multiple regions and is listed on the New York Stock	Link

Kuraray Co., Ltd.	Japan	In September 2025, Kuraray opened the Kuraray Asia Pacific Technical Centre at Singapore Science Park. The centre provides technical support for products such as PVOH resin, EVAL™ EVOH resin and activated carbon, and serves as a platform for product demonstrations and joint development with customers. It will also promote open innovation in areas such as sustainable packaging and water treatment. The	Kuraray is a global leader in specialty chemicals, headquartered in Tokyo, Japan. The company manufactures and sells a wide range of materials including PVOH resin, EVAL™ EVOH resin and activated carbon. Founded in 1926, Kuraray has grown into an international business with a strong focus on sustainability and innovation.	Link
Milliken & Company	United States	In 2025, Milliken & Company opened a new manufacturing facility in Singapore, marking its first chemical plant in Asia. The investment expands production for Encapsys microencapsulation technology, which provides flexibility and speed in supporting customer needs across industries. Acquired by Milliken in 2021, Encapsys brings over 70 years of patented innovations. The new facility strengthens Singapore's role as a strategic hub for specialty chemicals, supporting applications in consumer goods and healthcare while addressing growing regional demand.	Milliken & Company is a global manufacturing leader whose focus on materials science delivers tomorrow's breakthroughs today. From industry-leading molecules to sustainable innovations, Milliken creates products that enhance people's lives and deliver solutions for its customers and communities. Drawing on thousands of patents and a portfolio with applications across the textile, flooring, chemical and healthcare businesses, the company harnesses a shared sense of integrity and excellence to positively impact the world for generations	Link

Annex C – New Energy Pilot Projects

Companies	About the Project	Link
Advario Asia Pacific and VFlowTech	**Vanadium Redox Flow Battery Storage** Advario Asia Pacific, JTC and local start-up VFlowTech (VFT) signed an MOU to collaborate on scaling up of vanadium redox flow battery (VRFB) capacity for clean energy storage on Jurong Island. Under the MOU, VFT will use Advario's existing storage tank infrastructure to scale its VRFB technology to a capacity of up to 40MWh, about 25 times its current capacity. This is equivalent to powering over 3,000 4-room HDB flats daily. The large-scale deployment optimises the storage of surplus electricity generated across Singapore, particularly from renewable sources like solar power, feeding electricity back into the national grid during peak demand periods. This will help smooth out fluctuations in energy consumption, enhance demand response, and improve grid stability by discharging power when demand is high and charging during off-peak hours. The collaboration was a result of JTC and the Energy Market Authority's Jurong Island Renewable Energy Request-For-Proposal (JI RFP) innovation call, launched in October 2021.	Link
Terrenus Energy, Sembcorp Solar Singapore	**Jurong Island's Largest Solar Deployment** JTC's journey to optimise land for solar deployment started in 2018 when it first awarded the contract for Phase 1 of its SolarLand programme to Terrenus Energy and S.M.E Electrical to set up the first grid-connected solar farm on Jurong Island.	Link

	Since then, more solar panels have been deployed with the award to solarise 60ha of interim vacant land to Sembcorp Solar Singapore. This is the largest land-based solar deployment on Jurong Island, increasing the total solar generation capacity on Jurong Island from 25.2MWp to 142.2MWp, equivalent to powering approximately 33,400 4-room HDB flats annually and reducing over 63,220 tonnes of carbon emission per year.	
Sembcorp Industries, the Energy Market Authority	**Singapore's Largest Energy Storage System** The Sembcorp Energy Storage System (ESS), launched by Sembcorp Industries and the Energy Market Authority (EMA), is Singapore's largest utility-scale energy storage facility. Spanning two hectares on Jurong Island's Banyan and Sakra region, the utility-scale system was commissioned in six months and has been operational since December 2022. It has a storage capacity of 326-megawatt hour (MWh), sufficient to power around 27,300 4-room HDB households for one day in a single discharge.	Link
PacificLight Power, Meranti Power, Keppel Sakra Cogen, Sembcorp Cogen, YTL PowerSeraya	**Hydrogen-Ready Power Plants e.g. Combined Cycle Gas-Turbine (CCGT), Fast Start Ancillary Services Facility (Fast Start), Open Cycle Gas Turbine (OCGT)** Since 2024, all new and repowered natural gas power plants are required to be at least 30% hydrogen-compatible by volume. This means that the plants can burn at least 30% hydrogen, a cleaner fuel, with natural gas making up the rest, to generate electricity.	Link (two 50MW plants by PacificLight Power) Link (two 340MW plants by Meranti Power) Link (600MW plant by Keppel Sakra Cogen)

	By 2030, Jurong Island will be home to two 50MW plants (Fast Start) by PacificLight Power (2025), two 340MW plants (OCGT) by Meranti Power (2025), a 600MW plant (CCGT) by Keppel Sakra Cogen (2026), a 600MW plant (CCGT) by Sembcorp Cogen (2026), a 600MW plant (CCGT) by YTL PowerSeraya (2027), and a 670MW plant (CCGT) by PacificLight Power (2029).	Link (600MW plant by Sembcorp Industries) Link (670MW plant by PacificLight Power) Link (600MW plant by YTL PowerSeraya)
Keppel Ltd, Sumitomo Corporation	**Low-or-Zero Carbon Ammonia Power Generation** EMA and the Maritime and Port Authority of Singapore (MPA) have appointed the consortium led by Keppel Ltd to conduct the next phase of the project to provide a low- or zero-carbon ammonia solution on Jurong Island for power generation and bunkering. Keppel Ltd and partners will conduct a Front-End Engineering Design (FEED) study to advance the power generation proposal. Sumitomo Corporation, Keppel Ltd's bunkering partner, will also conduct a FEED study to advance the bunkering proposal. The project has yet to reach Final Investment Decision to formally proceed. Subject to the findings of the FEED studies, the project seeks to develop the end-to-end ammonia solution to (i) generate 55 to 65MW of electricity from imported low- or zero-carbon ammonia via direct combustion in a Combined Cycle Gas Turbine; and (ii) facilitate ammonia bunkering at a capacity of at least 0.1 million tons per annum.	Link

	A key thrust of this strategy is to experiment with the use of advanced hydrogen technologies. Ammonia, which does not produce carbon emissions when combusted, is a ready and available hydrogen carrier with an established international supply chain for industrial use and can be stored and transported over long distances.	

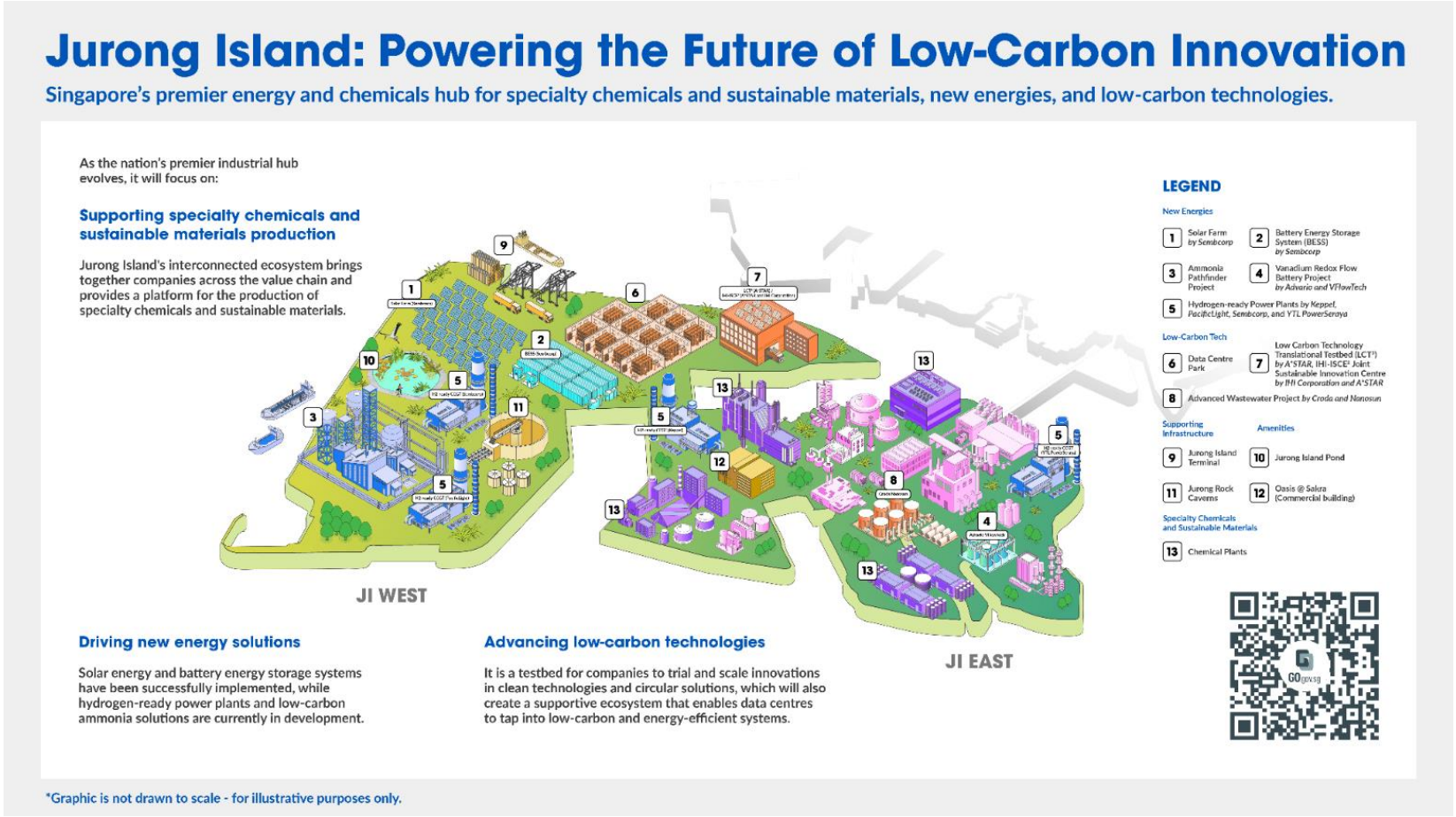
Annex D – Low Carbon Technology Projects

Companies	About the Project	Link
Croda Singapore and NanoSun	**Advanced Wastewater Treatment** Croda Singapore and NanoSun, a spin-off from Nanyang Technological University, are partnering to build an advanced wastewater treatment facility at Croda's Seraya manufacturing site on Jurong Island. The full-scale plant will use NanoSun's innovative water purification technology to treat and reuse high-strength wastewater, which makes up about a quarter of Croda's total output and currently requires external processing. The wastewater treatment plant reduces Croda's dependence on freshwater sources and can lower carbon emissions by 25%. This collaboration follows a successful pilot under the Jurong Island Innovation Challenge (JIIC), an initiative by JTC and Enterprise Singapore, launched in August 2021, marking a significant transition from testing to full-scale implementation.	Link
IHI Corporation, Agency for Science, Technology and Research	**Sustainable Aviation Fuel Production Process Technology** IHI Corporation and A*STAR Institute of Sustainability for Chemicals, Energy and Environment (A*STAR ISCE^2) are collaborating on a pilot-scale project that converts captured carbon dioxide and hydrogen into sustainable aviation fuel (SAF)-range hydrocarbons. The process uses a direct catalytic reaction that produces liquid hydrocarbons in a single step, offering potential efficiencies compared to conventional multi-step SAF production routes. The pilot test rig, located on Jurong Island, allows researchers to study the process under industrially relevant conditions and assess its scalability. This collaboration, formalised through a Memorandum of Understanding signed in 2024, supports the global aviation industry's transition toward net-zero emissions by 2050.	Link

Agency for Science, Technology and Research	**Low Carbon Technology Translational Testbed** The Low Carbon Technology Translational Testbed (LCT^3) will be established on Jurong Island to support the testing and scale-up of emerging low-carbon technologies in the areas of carbon capture and utilisation, and low-carbon hydrogen production processes. Designed as a national pilot-scale facility, LCT^3 will enable companies and researchers to validate technologies under realistic industrial conditions, including high-pressure and high-temperature operations, before larger-scale deployment. It will feature modular, plug-and-play equipment that can be configured for different projects and process requirements. By bridging laboratory research and industrial implementation, LCT^3 will help accelerate the translation of low-carbon innovations into deployable solutions for Singapore's energy and chemicals sector.	Link

EMBARGOED UNTIL 27 OCTOBER 2025 9:30AM, AFTER MINISTER IN-CHARGE OF ENERGY, SCIENCE & TECHNOLOGY, DR TAN SEE LENG'S KEYNOTE ADDRESS AT THE SINGAPORE ENERGY LECTURE AT SINGAPORE INTERNATIONAL ENERGY WEEK

Annex E – Illustrative map of Jurong Island



Annex F – Quotes from companies on Jurong Island

"We have proudly operated on Jurong Island since the very beginning, collaborating closely with JTC, EDB, stakeholders, industry partners, customers, and government authorities to drive the development of Singapore's energy and chemicals sector. Jurong Island has contributed to the development of the country's manufacturing economy by providing cutting-edge innovation in integrated infrastructure and leading sustainable industrial transformation.

Even as the energy transition advances and Jurong Island broadens its focus on new energy solutions, the hydrocarbon industry will remain a key part of the global energy mix. We are confident that Jurong Island will continue to play an instrumental role in meeting the country's future needs. Our commitment to the Jurong Island refreshed direction remains strong, and we will continue to invest strategically to advance the island's development and support Singapore's transition toward a sustainable, low-carbon economy.

Congratulations to JTC, EDB and Jurong Island on reaching this significant 25-year milestone!" **Ian ter Haar, Vice President, Southeast Asia, Advario Asia Pacific.**

"Arkema is proud to operate the world's largest integrated bio-factory for its flagship high-performance polymer, Rilsan® Polyamide 11, right here in Jurong Island. This investment reflects Arkema's commitment to sustainable innovation and well aligns with the vision of transforming Jurong Island into a hub for sustainable products using more sustainable processes. The partnership with JTC and EDB, from the project inception through construction to operation has been notable. Arkema has announced, in July, its investment to triple its Rilsan® Clear transparent polyamide capacity in Jurong Island. This investment further strengthens our partnership and demonstrates our confidence in JTC and EDB," **Danny Foong, General Manager, High Performance Polymers (SEA, India, ANZ), Arkema Pte. Ltd.**

"We've transformed our manufacturing assets in Singapore to better meet the demand of our customers through the years. From Singapore, we fuel planes, power ships and trucks that are vital parts of supply chains. We also produce chemicals and specialty products that are the building blocks of modern essentials, such as food packaging, vehicle components, medical supplies and lubricants. We're excited to deliver innovative products by deploying our proprietary technology and capabilities. We continue to invest in research and pursue opportunities to lower emissions in support of our company's net zero ambition," **Ms Geraldine Chin, Chairman and Managing Director, ExxonMobil Asia Pacific Pte. Ltd.**

"At Katoen Natie, sustainability is not just a goal—it's a responsibility. We are pleased to lead by example in advancing the nation's green energy transition. Our largest single-unit rooftop solar facility in our Jurong Logistics Terminal on Jurong Island demonstrates our deep commitment to sustainable industrial development. By integrating large-scale renewable energy into our logistical operations, we are actively supporting Singapore's decarbonisation goals and reinforcing Jurong Island's position as a global hub for sustainable chemical manufacturing," **Koen Cardon, Chief Executive Officer, Katoen Natie.**

"We are privileged to have partnered JTC and EDB for over 25 years, playing a collaborative role in Singapore's energy journey. On Jurong Island, we pioneered centralised utilities and were the first to bring piped natural gas from Indonesia to Singapore – critical milestones that continue to support and power our nation today. We currently manage around S$1.5 billion worth of sustainable infrastructure on Jurong Island and are constantly evolving our solutions to meet our customers' operational and decarbonisation needs. Our longstanding partnership with JTC and EDB has enabled us to deliver reliable, lower-carbon energy options at scale. Today, we power many gas-fired cogeneration plants, helping to drive energy efficiency across the ecosystem. With continued investments, such as our upcoming hydrogen-ready power plant, we remain committed to supporting Singapore's transition to a more resilient, secure and sustainable energy future," **Mr Koh Chiap Khiong, President & CEO, Gas and Related Services, and CEO, Singapore, Sembcorp Industries.**

"Jurong Island's next chapter — an ecosystem of specialty chemicals, sustainable materials, new energy innovations, and low-carbon technologies — is well-aligned with NUS' research strengths and long-term commitment to sustainable development. We are excited to partner with JTC, EDB, and industry to translate deep research into practical, scalable solutions," **Professor Lee Poh Seng, Executive Director, Energy Studies Institute, National University of Singapore.**

"Jurong Island's success over the past 25 years reflects the strength of integration – where refining, petrochemicals, and specialty chemicals work in synergy to drive innovation and resilience. Building on this foundation, Aster is investing significantly in the rejuvenation of our integrated Bukom–Jurong assets to unlock greater value creation. This would enhance our ability to produce a broader slate of high-value, performance-driven specialty chemical products alongside fuels and base oils. As Singapore's fully connected system linking the refinery on Pulau Bukom with advanced downstream manufacturing on Jurong Island, Aster continues to strengthen operational agility, feedstock efficiency, and competitiveness for the next phase of Jurong Island's growth.

Aster remains deeply committed to advancing innovation and sustainability across Singapore's energy and chemicals sector. We actively seek to collaborate with partners locally and globally on R&D that supports decarbonisation and sustainable product development. Our partnership with Aether Fuels will enable conversion of waste carbon feedstock into sustainable liquid fuels within our Bukom–Jurong system. We are also furthering maritime electrification efforts together with MPA – from e-ferries and vessel charging infrastructure and exploring to expand solar capacity and future floating solar applications. Augmented with the launch of Aster Ventures, we are looking to invest in emerging low-carbon, circular technologies and support new-energy infrastructure that will help Singapore's Energy & Chemicals ecosystem thrive in a more sustainable, innovation-led future," **Mr Andre Khor, Group CFO & Deputy CEO of Aster.**