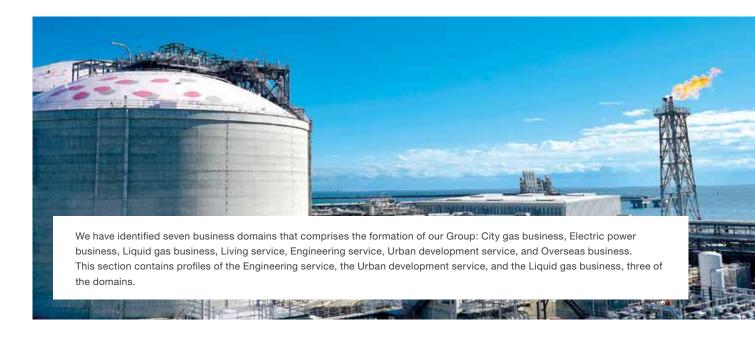
OTHER BUSINESS



Engineering Service Business

Providing customer-oriented engineering solutions and expanding areas and business domains

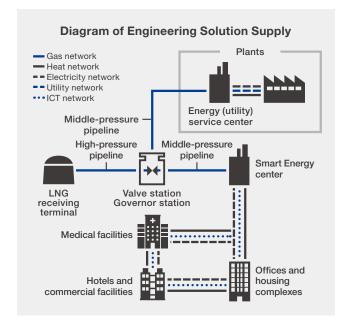
In April 2015 Tokyo Gas Engineering Solutions Corporation (TGES) was established by integrating capabilities in engineering and energy solutions, which used to be separately available within the Group. TGES is providing one-stop solutions that better satisfy the needs of our customers in Japan and abroad in a wide range of domains, stemming from receipt of transported or conveyed resources and production of gas to gas supply, power generation, and energy solutions in the LNG value chain.

In April 2017, we opened new offices in Nagano and Fukuoka. We will partner with the energy suppliers of each region and provide engineering solutions to customers. In addition to expanding business in the Japanese market, we intend to expand business overseas.

By bundling various engineering solutions available at TGES, we are emphasizing our ability to provide one-stop, diversified solutions.



Current model **Bundled service model** Providing case-by-case Engineering solutions are bundled engineering solutions to provide optimal services LNG facilities LNG facilities Energy service Pipelines Energy service District heating and cooling Pipelines Energy use service Smart ınd coolina service facilities Smart Energy Mapping, Soil Energy use Mapping, Soil facilities etc. Moreover, Investment



Unique engineering solutions, leveraging accumulated know-how

Japan Overseas

Area-wide use of distributed energy to significantly conserve energy and reduce CO₂ emissions

The cogeneration system (CGS) recovers and uses otherwise wasted thermal energy to generate electricity for heating. Higher CGS capacity results in higher efficiency. One office can install only a small CGS for an optimal balance of electricity and heat. However, by combining multiple customers with various needs, a larger CGS can be installed and realize a higher-level of energy saving than a single-type CGS can achieve.

As an example, Nissan Motor's Yokohama Plant wanted to cut back grid power usage during peak hours by using in-house power generation and to secure power sources in case of emergency. We therefore installed a large gas cogeneration system and supplied electric power to the plant. Then in 2016 we began to supply steam generated by the gas cogeneration system to J-Oil Mills' Yokohama Plant, which is located across the street from Nissan's plant and had a high thermal energy demand. As a result, approximately 3% energy saving and 6% reduction in CO₂ emissions were achieved in aggregate.

At the Kiyohara Industrial Park in Utsunomiya City, we are constructing a Smart Energy center to provide energy services to three companies and seven offices in the park. This will be Japan's first "integrated energy-saving business serving multiple plants" to supply electricity and heat to multiple businesses of different sectors in an inland-type industrial park. Due to adoption of a large-scale CGS and an energy management system, approximately 20% in energy saving and reduction in CO_2 emissions are projected. Without being hindered by the conventional methods, we are thus providing valuable services and contributing to energy saving and reduction in CO_2 emissions.



Energy service business

TGES' overseas subsidiary will provide energy services to the Toray Group's plants in Malaysia and the U.S.A. The energy services comprise construction of an energy plant that has gas cogeneration systems, boilers, and equipment such as for air-conditioning and water treatment, and efficient supply of a wide range of services involving generated electricity, steam, water, and other resources.

Based on its proven achievement, TGES' plant design and maintenance will enable to realize energy savings from its optimal systems and long-running cost reductions. In return, TGES will receive energy service fees, based on its long-term customer contract.



Engineering business

TGES was awarded an order for assignment as a project management contractor (PMC) of the capacity expansion construction project of PPT LNG Map Ta Phut Receiving Terminals, Thailand. This is the first PMC order of its kind received by a Japanese company outside Japan. This is also the first LNG terminal in Thailand in anticipation of substantial growth in energy demand in keeping with the nation's economic development.

The Tokyo Gas Group intends to further promote overseas business development, leveraging by its frontrunner experience and strengths in construction, operation, maintenance, and management of LNG terminals.





Urban Development Service (Real Estate) Business

Generating stable earnings by effective use of high-potential sites owned by Tokyo Gas

The Tokyo Gas Group owns high-potential, large-scale properties in locations such as Tamachi and Toyosu in Tokyo. We are developing those properties, while limiting associated risks, in order to improve asset value by their effective use. In April 2017, we established Tokyo Gas Real Estate Holdings Co., Ltd. as a general management company. As the Group's

urban development service business, we aim for expanding profits to contribute to community-based energy proposals and community development through effective use and management of properties and cooperation with strong players in the real estate industry.



Large-scale development with direct connections to JR Tamachi Station

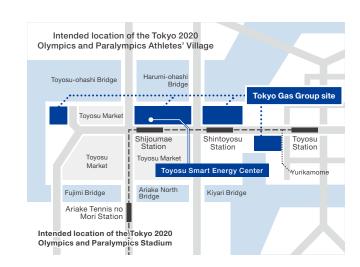
Tamachi Station and its surrounding area are expected to play the role of a gateway to Tokyo, as it is close to the Linear Chuo Shinkansen Line route and has easy access to Haneda Airport which has a plan for further development. Office and hotel buildings and commercial facilities are under construction on this 2.8ha site, and will be directly connected to Tamachi Station.

October	2015	Started construction of the Tamachi Station Tower S, the Hotel Tower, and the Smart Energy Center
Summer	2017	Started construction of the Tamachi Station Tower N
April	2018	Complete construction of the Smart Energy Center (plan)
May	2018	Complete construction of the Tamachi Station Tower S and the Hotel Tower (plan)
Fall	2018	Start hotel operation (plan)
Spring	2020	Complete construction of the Tamachi Station Tower N (plan)
	ores	Hotel Tamachi Station Tower N Minato Park Shibaura Tamachi Station Tower S Services Facility Urban Planning Aliku Hospital
		Park



Complex town planning project in the intended locations of the Tokyo 2020 Olympics

The redevelopment area in Toyosu is a prime location, about 4km away from Tokyo Station. The Tokyo Bay area, including Toyosu, is getting increased attention as it will be a major location of the Tokyo 2020 Olympics and Paralympics events. The Tokyo Gas Group is involved in construction of a combination of residential, office, and commercial facilities in this widespread development area of approximately 20ha.



OTHER BUSINESS



Liquid Gas Business

In April 2016 we established Tokyo Gas Liquid Holdings Co., Ltd. to integrate and enhance strategy planning and promotion of the liquid gas business, to sell LPG and manufacture and sell industrial gas, using LNG cold energy, and the cold storage warehouse business.

In the LPG sales business, we aim to grow it as one of profit pillars of the Tokyo Gas Group, by strengthening sales capacity, mergers and acquisitions, and through alliances. Specifically, as a new measure to help construct a highly-efficient logistics network and improve maintenance levels and

customer services, we are seeking alliances with LPG players who have different strengths. Our target is to have one million or more customers by 2020, including 300,000 direct sales customers from the Tokyo Gas Group.

As for industrial gas, we make effective use of LNG cold energy, and manufacture and sell high-grade affordable industrial gas. We also plan to enhance sales capability by offering one-stop solutions to large-account customers by combining LNG, engineering, and other services of Tokyo Gas.

Alliances

October 2016	Concluded the Basic Agreement for a Comprehensive Alliance with Astomos Energy
February 2017	Concluded the Basic Agreement for a Comprehensive Alliance with Saisan

LPG Business: Target in Number of Customers

(thousand)

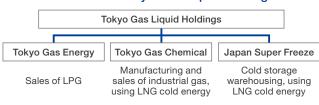
1,000 Distributors and friendly LPG operators

Direct sales

300

March 2017 2020

Structure of Tokyo Gas Liquid Holdings





A cold storage warehouse of Japan Super Freeze