Foundation of Life

Supporting prosperous and comfortable lives.

Preserving our planet’s gifts to humanity for future generations.

At JFE Engineering, we offer a one-stop solution to our customer’s needs, by handling everything from planning, design, construction, and operation.

As a global engineering company, we tailor our solutions to fit the individual needs of our customers around the globe.

At the core of our products and services is a single concept: "Foundation of Life".

Our mission remains unchanged as we continue to work towards optimal solutions.
Recycling
We contribute to the development of a circular economy by transforming plastic, food and other wastes into usable resources.

Pipelines
We build pipelines and provide management systems to safely transport energy sources over long distances.

Power Generation & Electricity
We provide communities with clean energy and solutions to help them optimize and reduce energy consumption.

Energy Plants
We build receiving, storage, processing, and offtake facilities for the oil and gas industry.

Anywhere our expertise is needed, we will go.
Waste Management Plants
We build and operate waste-to-energy plants to keep cities clean and efficiently recover energy from municipal waste.

Industrial Machinery
We provide machinery and systems that support logistics and daily life such as cranes, and automated parking and storage systems.

Bridges & Steel Structures
We build infrastructure such as bridges, piers, seawalls, and breakwaters to connect and protect communities.

New Services
We apply technologies and know-how cultivated from our existing products to expand into new fields such as smart agriculture and medical equipment.

Water & Sewerage
We build and maintain water and sewage infrastructure, as well as operation and management of these essential utilities.
Protecting Natural Environments

In 2015, the world set forth goals and began working towards a better and more sustainable future for all. As part of this global movement, JFE Engineering is focused on promoting renewable energy sources, such as geothermal, solar, and biomass power generation. We also help society develop a circular economy and protect the environment through our various services, such as construction of high quality water and sewage infrastructure in developing countries, and our recycling businesses. Our driving force is the hope that each project will contribute to a brighter future.

Bizen Biomass Power Plant (Fukuoka Prefecture) contributes to a low-carbon society.

Kawasaki PET Bottle Recycling Plant (Kanagawa Prefecture) promotes recycling of waste plastics.

Paranáque Water Reclamation Facility (Philippines) contributes to the improvement of water quality in Manila Bay.
Improving Urban Environments

JFE Engineering aspires for cities where comfort and convenience coexist with environmental awareness and friendliness. Working towards that goal, we help cities stay clean by providing and operating key infrastructure, such as waste, water, and sewage treatment facilities. Our products also help people achieve an environmentally friendly lifestyle without sacrificing convenient or comfort, through our automated bicycle parking systems, bridges, and overpasses.

Myanmar’s first waste to energy plant, to tackle increasing volumes of waste and electricity deficiency caused by economic growth.

Methane fermentation turns sewage sludge and garbage into renewable energy at the Toyohashi City Biomass Utilization Center (Aichi Prefecture).

The low-footprint CycleTree® automated parking system outside Sagami-Cho Station (Kanagawa Prefecture).
The Kesennuma Ohashi Bridge (Miyagi Prefecture), a symbol of the Tohoku region’s post-quake recovery.
Helping Countries Develop

Economy, industry, energy, and life.
JFE Engineering connects and strengthens the elements of our society day by day.
From LNG terminals to bridges and coastal infrastructure, JFE Engineering offers a comprehensive package ranging from EPC to operation, maintenance and management.
The times have changed, and our customers’ needs have become more diverse and complex.
We strive hard to continue delivering the best services and optimal solutions.

Underwater pipelines supply natural gas across the Port of Nagoya (Aichi Prefecture) to two thermal power plants.

Toyama Shinko LNG Terminal (Toyama Prefecture), supporting the Hiokuriku region’s energy industry.

Our container cranes strengthen cargo handling operations at ports nationwide.
Ensuring Stable Livelihoods

The countless plants and facilities JFE Engineering operates around the globe provide the necessities of life for millions. Ensuring these vital infrastructures keep running is our priority. We work together with our affiliates and local contractors, and incorporate Artificial Intelligence and other cutting-edge technologies to protect communities and lives from disasters.

In cooperation with Kumamoto City, we supply a stable, disaster-resilient source of power from the Seibu Incineration Plant (Kumamoto Prefecture).

The hybrid seawall at the Port of Kesennuma (Miyagi Prefecture) brings peace of mind for the local coastal communities.

Specialized steel pipes for crossing geological faults protect water supply lines against earthquakes.
Towards New Markets

New Product: Smart Agriculture
Our smart agriculture technology applies our know-how from the environment and energy fields to optimize controlled climate farming. With our prototype plants in successful operation we seek to strengthen food infrastructures all around the globe.

New Product: Medical Equipment
Our knowledge of radiation refined over the years gave birth to our cancer diagnostic system. A specialized R&D facility was newly built in 2017 to build upon its extensive track record and expand in the medical and healthcare fields.

Research and Development
Our research and development pursue innovation in a variety of fields, focusing not only on global technology trends and market needs, but also to tackle next generation energy and environmental challenges.
The origin of JFE Engineering lies in the steelmaking and shipbuilding technologies cultivated by NKK (Nippon Kokan Ltd.) and Kawasaki Steel Corporation. By bringing the technologies and know-how of these two companies together, JFE has continually improved on its power to create, build, maintain, and serve the “Foundation of Life”. This concept, which forms the very core of our company’s various products and services, supports the development of the company and propels us forward.

Company History

- **1912**: Nippon Kokan Ltd. established
- **1916**: The first ship built by Asano Dockyard, “Kakushika-maru” (1919)
- **1940**: Nippon Kokan Ltd. and Tsurumi Iron Works Dockyard merged to form what became known as NKK
- **1940**: Yokohama Dockyard (later renamed Asano Dockyard then Tsurumi Iron Works Dockyard) established
- **1950**: Kawasaki Steel Corporation established after separating from Kawasaki Heavy Industries, Ltd.
- **1950**: NKK’s shipbuilding business separated to form Universal Shipbuilding Corporation (present-day Japan Marine United)
- **1962**: JFE Engineering Corporation was launched
- **2001**: NKK’s steelmaking plant business separated to form JF Steel Plantech Co.
- **2002**: Standardkessel Baumgarte GmbH joined JFE Engineering Group, Uomiura Hosui Kiko Co., Ltd’s water treatment plant business acquired by JFE Engineering
- **2003**: TEPCO’s Tokyo Waterfront Recycle Power Co., Ltd. and JFE Kanyo Corporation merged to form J&T Recycling Corporation
- **2014**: TEPIDA’s Tokyo Waterfront Recycle Centre (1996)
- **2019**: Mitsui E&S Group’s chemical plant division joined JFE Engineering Group as JFE Project One Co., Ltd.
- **2020**: Kenya Pipeline (1978)
- **2020**: Construction was completed on Sky Park (2010)