

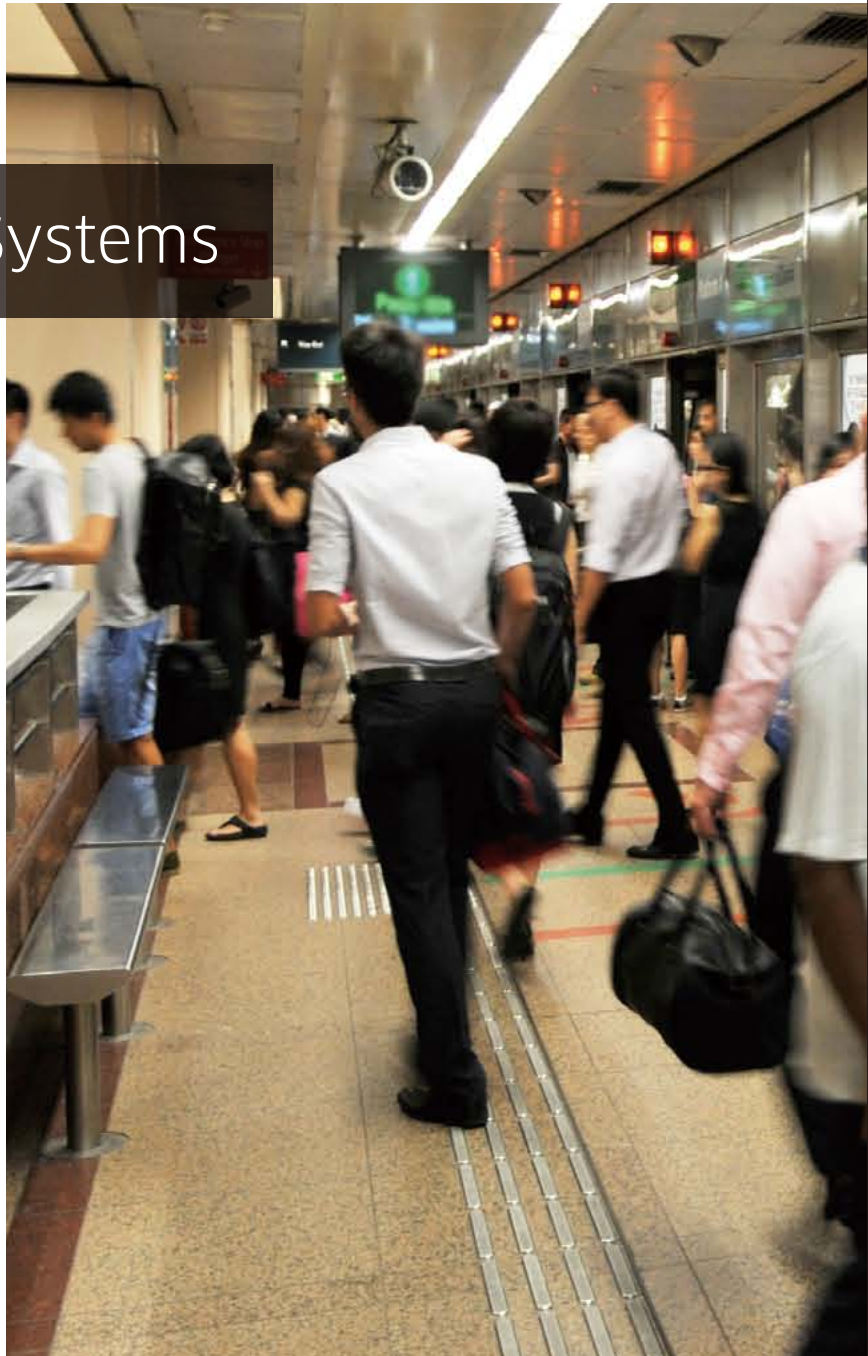
Solving Social Issues through Business

Transportation Systems

4 billion people

The economies of Asia sustain the livelihoods of more than four billion people—about 60% of the world's population—and continue to grow. By supplying rolling stock that is optimally suited to large-volume transportation and a reduced environmental load, we support the ongoing development of this continent with its busy interchange of people, goods, finance and information.

Powering your potential—Kawasaki continues on track.



Train cars to Singapore

Urban Railway System in Singapore

Singapore, currently having a population of more than five million at high density in the small territory, has been establishing an efficient public transportation system since the 1980s. The first urban railway transit system was inaugurated in 1987 and since then the railway network has been expanding as a convenient and comfortable public transportation system.

Since 1986, Kawasaki has delivered to Singapore a total of 656 cars. The latest type of Kawasaki rolling stock has features of more passenger capacity at less energy consumption and contributes to provide Singapore with an enhanced mobility. Kawasaki-brand rolling stock is indispensable for the highly efficient public transportation system in Singapore.



Taiwan High Speed Rail

In 2007, Taiwan High Speed Rail commenced a revenue service as the first Japanese high-speed rail system to be exported, which makes it possible to have a trip of 90 minutes between two large cities in the north and south of Taiwan, Taipei and Kaohsiung. Taiwan High Speed Rail provides immeasurable economic benefit for business and sightseeing.

The consortium consisting of seven Japanese companies was awarded the contract of supply and installation of an electrical and mechanical (E&M) system, and Kawasaki supplied 360 700T series cars as a member in charge of design, manufacturing and supply of rolling stock.

Variable types of passengers including business people, families, students, etc., are enjoying their trips with the 700T series high speed train. Kawasaki takes much pride in supply of the 700T, the popular train among the people of Taiwan.



High-speed train cars to Taiwan

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Energy & Environmental Engineering

15.8 trillion kWh

Asia is a powerful driver of growth in the world economy.

By 2035, the International Energy Agency forecasts that Asia's annual power demand will have doubled from its present level to approximately 15.8 trillion kWh.

One of the most promising sources of energy for electricity generation is natural gas, which has a low environmental load and is still available in plentiful reserves.

To meet the rising demand for natural gas-powered electricity generating facilities, KHI is committed to delivering energy solutions tailored to customer needs.



Kawasaki Green Gas Engine

Offering Solutions for a Serious Electric Power Shortage

India's economy continues to grow, but because power demand exceeds supply and the power grid is unreliable, a growing number of independent power producers (IPPs) are operating distributed energy systems.

In 2013, KHI received its first order from an Indian IPP. All of the electric power produced by Kawasaki Green Gas Engine, which boast the world's highest generating efficiency along with outstanding environmental performance, will be sold to electric power companies.

As a contribution to solving India's serious power shortage, KHI gas engines will continue to be used in an expanding range of fields.



Enhancing Energy Security

To promote a stable energy supply, Singapore has begun building its first LNG terminal.

At the end of 2012, KHI completed the delivery of two gas engines for the terminal. The electricity generated by these gas engines will be for captive use at the LNG terminal. Our gas engines, which boast the world's highest generating efficiency, will contribute significantly to reducing electric power costs, and will achieve low environmental load operations with their outstanding environmental performance.

KHI gas engines will thus contribute to a stable energy supply for Singapore, which has developed into one of the world's greatest cities.

Solving Social Issues through Business

Industrial Equipment

26.28 million hectares

With about half its population engaged in the agriculture, forestry and fishery sectors, Pakistan is a major agricultural nation and the world's fourth-largest producer of wheat. Approximately one-third of its land area, or 26.28 million hectares, is devoted to agriculture. To improve the soil of this vast area and improve yields, securing supplies of fertilizer in huge quantities is a very important priority.

KHI won a contract to provide industrial equipment including a facility for manufacturing urea, the raw material from which fertilizer is made. This facility therefore plays an especially important role in the country's largest fertilizer plant. The facility was handed over in 2009 and is contributing to not only Pakistan's agricultural development but also the livelihoods of farming families.

In the years ahead, KHI will continue with manufacturing activities to support the livelihoods of people around the world.





Urea Manufacturing Facility for Fertilizer Plant of Fatima Fertilizer Company Ltd.

Fatima Fertilizer Company Ltd. has built Pakistan's largest fertilizer plant on the outskirts of the city of Sadiqabad in the country's central region. Using the natural gas produced in the nearby Mari gas field as raw material, it manufactures urea and a range of other synthetic fertilizers from ammonia. The equipment delivered by KHI is the core facility of the factory and produces 1,500 tons of urea a day. KHI was also commissioned with engineering and project management operations for the rest of the plant's fertilizer manufacturing facilities.



Urea manufacturing facility