

## With Our Customers - Contributing to Society through Business -

In our Group, the three business segments and group companies collaborate with one another, and through their products and services help build a society that is safer, more secure, affluent and vigorous.

### Wireless Communications and Information Systems

#### ▶ Digital Mobile Radio Systems for Business Communications to Support The Operational Control of Lifelines

The Company delivers "business-purpose digital mobile radio systems" to the operators of public sectors including electric power, gas, railroads and airports that are parts of the social infrastructure. This issue presents the case of Tokyo Gas Co., Ltd., which actively supplies energy in a stable manner as a leading comprehensive energy enterprise.

##### Digital Mobile Radio Systems Contributing Greatly to Emergency Communications

A stable supply of gas is the social mission of a gas operator. A safe and reliable system is established by using a complete set of equipment, including that used to perform automatic shutdown in case of a possible gas leak.

To restore a gas supply line that is temporarily shut down, personnel must be promptly dispatched to the problem site, ensure safety, and then restore the supply. Moreover, if a large earthquake or other major disaster occurs, a center is designed to inspect the site status subject to minute-by-minute changes and give work and assistance instructions.

Active in such scenes is the "digital mobile radio system" that enables broadcast communications.

##### How Digital Mobile Radio Systems Are Used in Daily Operations

In daily operations, these systems are used for communications on inspection tours, in equipment inspections, work on gas pipelines, and other in-house operations.

Unlike mobile phones, digital mobile radio systems can realize broadcast communications with all radio devices and display the full power in transmitting in-house business information. These excellent systems can even be used to page groups and individuals, and simultaneously transmit location information of work vehicles, work start/end times and other data during voice communications.

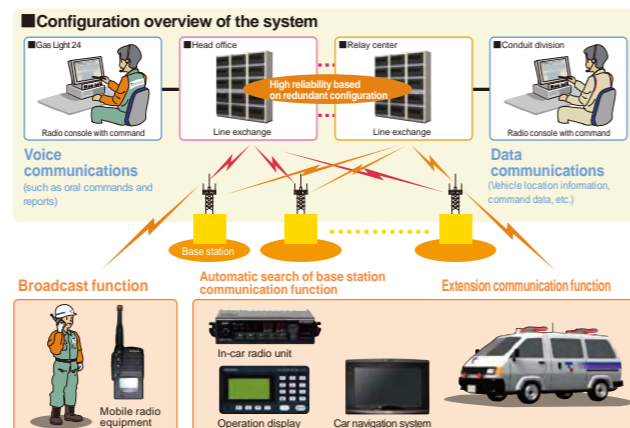
Presently, 28 radio stations, 800 in-car radio units and 500 mobile radio units are actively being used at Tokyo Gas Co., Ltd.



Center



Base station



#### VOICE A Comment by A Developer

"We have built two lines of the system to accommodate gas business operation, as well as to increase reliability and decentralize risks. The system also transmits voice and data simultaneously."

(Mr. H, Mobile Communication System Engineering)

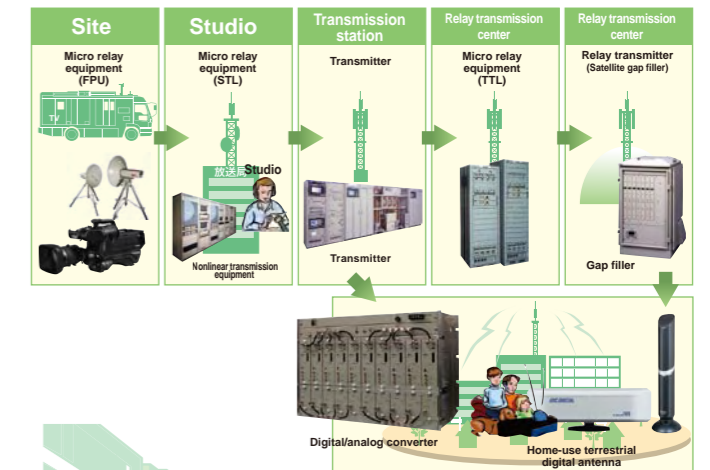
### Broadcasting and Video Systems

#### ▶ Building a Safe and Comfortable Society Through Broadcasting and Video Technologies

Through our camera technology as the eye that keeps society safe and secure, and through broadcast technology that transmits radio waves to all corners of the country, we help build a more comfortable social environment.

##### We Will Deliver Scenes of The Beijing Olympic Games

In August this year, the Beijing Olympic Games will be held and many dynamic, tense images of the sporting events will be caught by our cameras and delivered to households. The natural images that you can see when switching on the TV will be delivered to households via various devices in broadcast stations on radio waves in sequential order. These various devices that support behind-the-scenes, virtually 24-hour operations help keep your lives comfortable.



##### We Provide An Eye That Keeps Society Safe and Secure

We provide monitoring systems that keep society safe and secure. Our monitoring systems are active in stations, airports, office buildings, plants and various other facilities. We enhance our technologies, including camera systems that take motion pictures clearly even in an environment with moonlight that conventionally could not allow photographs to be taken, and thus contribute to society.



#### VOICE A Comment by A Planning Representative

"To ensure tighter security and to prevent crime, we started our development process with a proposal presenting the features of our camera technology. Our product is now used and welcomed by various customers."

(Mr. N, Broadcasting and Video Systems Planning)

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## Semiconductor Manufacturing Systems

### ▶ Collaborating with Our Customers in Semiconductor Manufacturing Equipment

Achieving the satisfaction and earning confidence of our customers require increased user-friendliness and enhanced support programs in order to improve equipment performance and productivity, and ensure stable equipment operation in line with the advances being made in semiconductors.

#### Expansion of The Product Line by Employing A Standard Platform

There is no end to development for achieving a higher integration of semiconductor chips. To stay abreast of leading-edge semiconductor technology, we must constantly work on the development and enhancement of our manufacturing equipment. Our newly developed QUIXACE® with functional advancement makes it possible to timely meet such customer needs as higher performance, user-friendliness, flexibility to meet specifications, and ease of expansion to new applications by employing standard platforms.

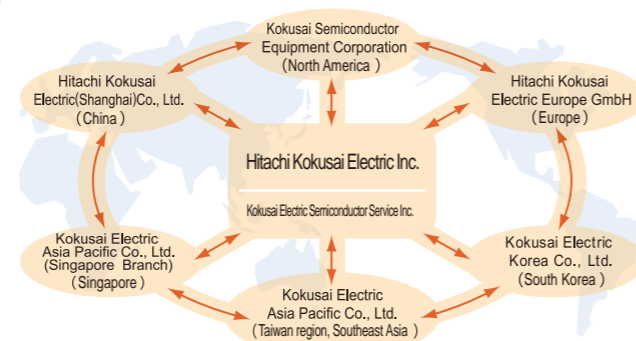
\* QUIXACE® is a registered trademark of Hitachi Kokusai Electric Inc.



QUIXACE® standard platform

Global service system

Collaborative global service system among overseas group companies



#### Enhancement of Global Support System

The semiconductor market is so intensely competitive that semiconductor manufacturers frequently tie up on a global basis. Therefore, customers' head offices, research and development centers, and production sites scatter throughout the world. Equipment manufacturers give collaborative supports to those worldwide research and development centers and production sites to ensure stable operation of their equipment. Our overseas group companies have also established a global service system which enables group companies to directly collaborate with one another beyond the regions for which they are responsible, in order to keep pace with the expansion of customers' operation sites, thereby improving the speed and quality of customer support.

#### VOICE A Comment by A Developer

"We used to deal with our business on a customer-by-customer basis. So, as the production of equipment increased, the number of drawings also quickly increased, affecting our design quality as well. The recent introduction of a standard platform with standardized electrical wiring and common body frame helped improve both equipment design and production quality as well as reduce lead time. As a result, we now can provide more satisfying products to our customers."

(Mr. O, Vertical Equipment Technology Development)

## Group Companies

### YAGI ANTENNA INC.

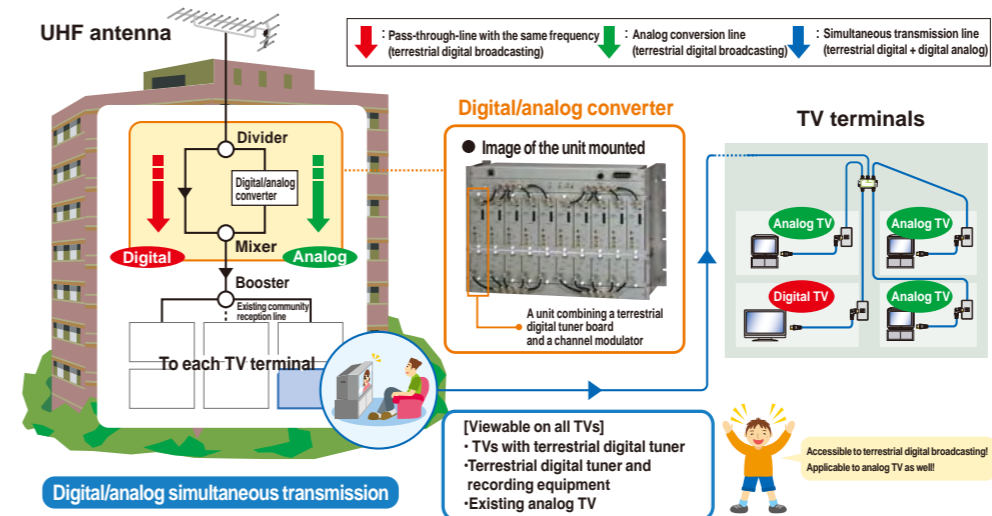
#### ▶ Digital/analog Converter for Terrestrial Digital Simultaneous Transmission—DAT10 A system That Collectively Rescues The Analog TVs Left After The Shift to Terrestrial Digital Broadcasting

#### DAT10 Contributes to Inhibiting The Mass Scrapping of Analog TVs.

There are two major issues to consider in shifting to terrestrial digital broadcasting: inhibiting the growing quantities of analog TVs to be scrapped after analog broadcasting terminates in July 2011, leveling off the volume of such scrapping along extended dates.

ing in community reception facilities located in residential buildings, hotels, hospitals and similar buildings. This will collectively make all TVs accessible to terrestrial digital broadcasting and rescue analog TVs in terms of inhibiting the mass scrapping of TVs, and is therefore eco-friendly in helping to completely shift to terrestrial digital broadcasting.

This product can be used in work to switch over to terrestrial digital broadcast-



#### VOICE A Comment by A Customer

"Although our hotel is planning to refurbish our facilities with terrestrial digital equipment, we must continue using our analog TVs for a long time given their lease contract. YAGI ANTENNA INC. has proposed this product to us and we can now make full-scale plans and budgets. We are glad to have found this epoch-making product."

(A representative of a hotel)

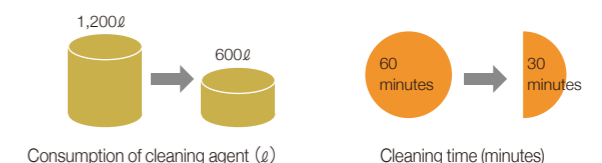
### Hitachi Kokusai Denki Engineering Co., Ltd.

#### ▶ Reducing The Environmental Impact of Precision Machine Cleaning

#### Introducing Ultrasonic Cleaning Equipment to Save Cleaning Agent and Shorten Cleaning Time

<A case of a sheet metal processor using this product>  
In conventional practice, sheet metal processors, after plating on processed sheet metal products, used to add cleaning agent to tap water with a dilution ratio of 1 to 1 in the subsequent cleaning process. The recent introduction of this ultrasonic cleaning equipment has made it possible to perform cleaning with a 1 to 3 dilution ratio of cleaning agent to tap water and with a cleaning time of 30 minutes or less, thus reducing both the consumption of cleaning agent and time by half.

[Effects of one ultrasonic cleaning operation]



#### VOICE A Comment by A Customer

"With ultrasonic cleaning equipment, we have successfully shortened cleaning time and reduced cleaning agent consumption. Moreover, we can now clean even the smallest parts that we previously had a hard time cleaning."

(A representative of a sheet metal processor)

**Glossary** ※1: Standard platform: Portion of equipment commonly applicable to all products and which becomes the basis equipment consisting of a basic main body, transfer mechanism and controller, etc.