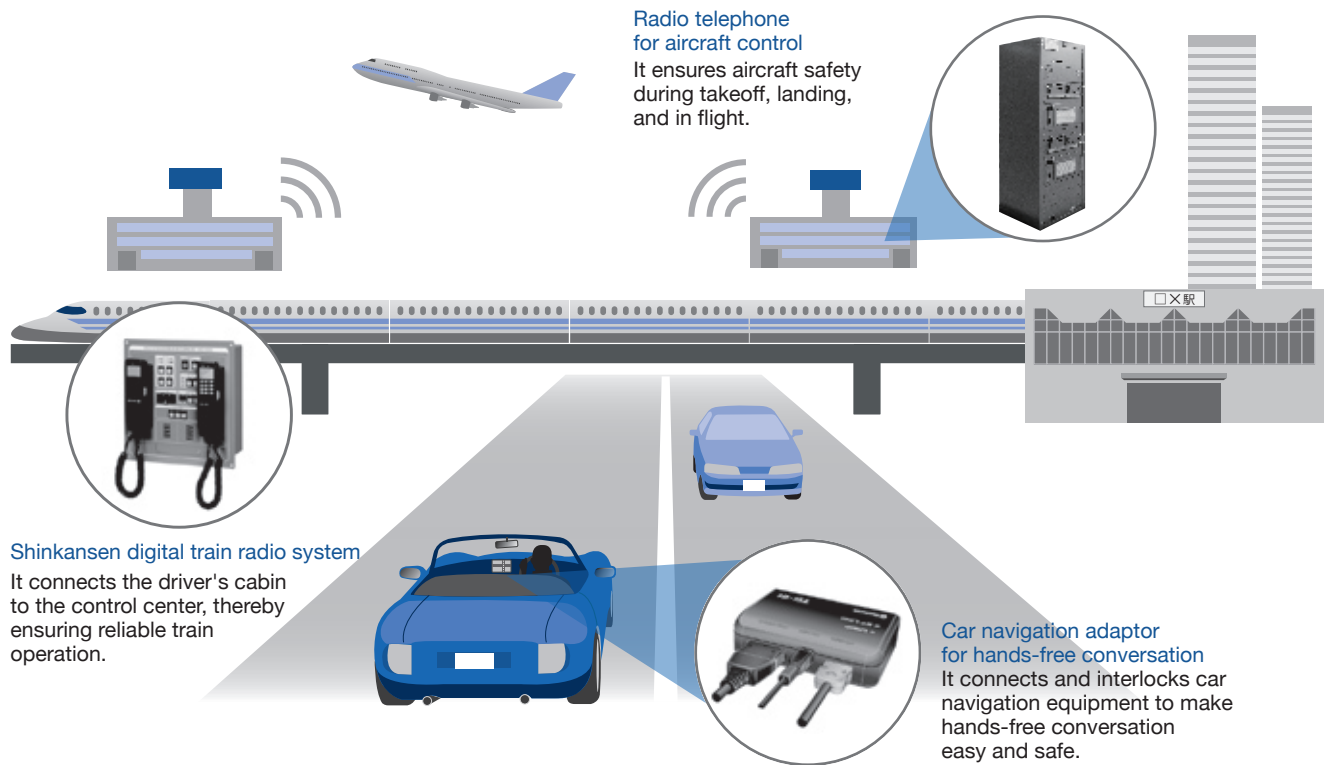# With Our Customers – Safety and Security –

The secure and smooth communication of information is essential to ensure the reliable use of speedy means of transport. The radio expertise of our Group will help you.

Radio telephone for aircraft control
It ensures aircraft safety during takeoff, landing, and in flight.

Shinkansen digital train radio system
It connects the driver's cabin to the control center, thereby ensuring reliable train operation.

Car navigation adaptor for hands-free conversation
It connects and interlocks car navigation equipment to make hands-free conversation easy and safe.

The Shinkansen digital train radio system ensures the safety of 200 trains.

Communications in transport to connect Shinkansen trains to the control center is provided by train radio equipment. In order to increase service efficiency, Central Japan Railway Company and West Japan Railway Company have introduced a digital train radio system.

In cooperation with Hitachi, Ltd., we have delivered 200 units of radio equipment mainly for onboard train use (by drivers and conductors).

Central Japan Railway Company also employs a digital train radio system that allows passengers with PCs on N700 trains to connect to the Internet, thereby providing better user service.

Operation panel at the driver's cabin   Controller installed in a train

Radio telephone equipment that supports aircraft safety

Radio telephone equipment for aircraft control links the pilots aboard aircraft to ground-based controllers via voice communication. The processes from aircraft takeoff to landing are guided by commands and information provided by using this equipment. Safe transport requires high reliability. This equipment, based on our leading-edge software radio equipment, ensures reliability and safety.

At present, this equipment is being used at about 80 airports and airport offices nationwide.

Radio telephone equipment (before shipment)

Interlocking with car navigation equipment provides easy and safe hands-free conversation.

It is prohibited to hold and handle a mobile telephone while driving in order to ensure safe driving. For that reason, the hands-free equipment in mobile telephones has seen some advances. Certain models are already connected to car navigation equipment in order to share speakers, a touch panel, and other features for enabling easy and safe hands-free conversation.
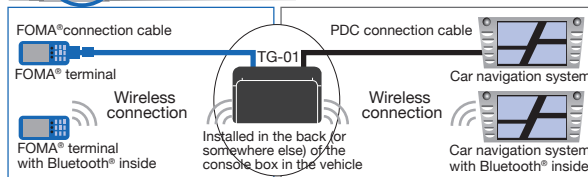
Goyo Electronic Co., Ltd. has even added wireless capability to eliminate the need for bothersome operations when entering and exiting a vehicle by interlocking with car navigation equipment, even with the mobile phone being carried in the driver's pocket, and also adapts easily to a new mobile phone model, when the user purchases one. The equipment is now more user-friendly and much more useful for safe and reliable driving.

In-car communication adaptor
Telema Gateway   TG-01

＊FOMA® is a registered trademark of NTT DOCOMO, INC.
＊Bluetooth® is a registered trademark of the Bluetooth SIG, Inc.

Connect a hands-free car navigation system to a FOMA® terminal.
1. Engage in hands-free conversation.
2. Transfer the telephone directory in the FOMA® terminal to car navigation equipment.
3. Supply power to the FOMA® terminal.

FOMA® connection cable
FOMA® terminal
Wireless connection
FOMA® terminal with Bluetooth® inside

TG-01
Installed in the back (or somewhere else) of the console box in the vehicle

PDC connection cable
Car navigation system
Wireless connection
Car navigation system with Bluetooth® inside

Voice

A jumbo jet flying in the wide sky carries children excited about their first-ever flight, couples discussing their dreams for the future, and elderly couples looking forward to meeting their grandchildren for the first time.

We are lucky to provide "safety" to the people onboard with various dreams in their minds. We feel the "joy and pride" of developers when watching users exit airplanes.
I hope to see many other smiling faces.

Koichi Okabe
Engineering Department I,
Hamura Works

Voice

This product was developed based on the keyword "linkage." With a user focus, we are proud of accumulating real-vehicle verifications and successfully realizing a product that links required convenience with safety. We now seek further linkage and target powerful "creative manufacturing" that "links media," "links dreams," and links the truly creative "products" and "manufacturing."
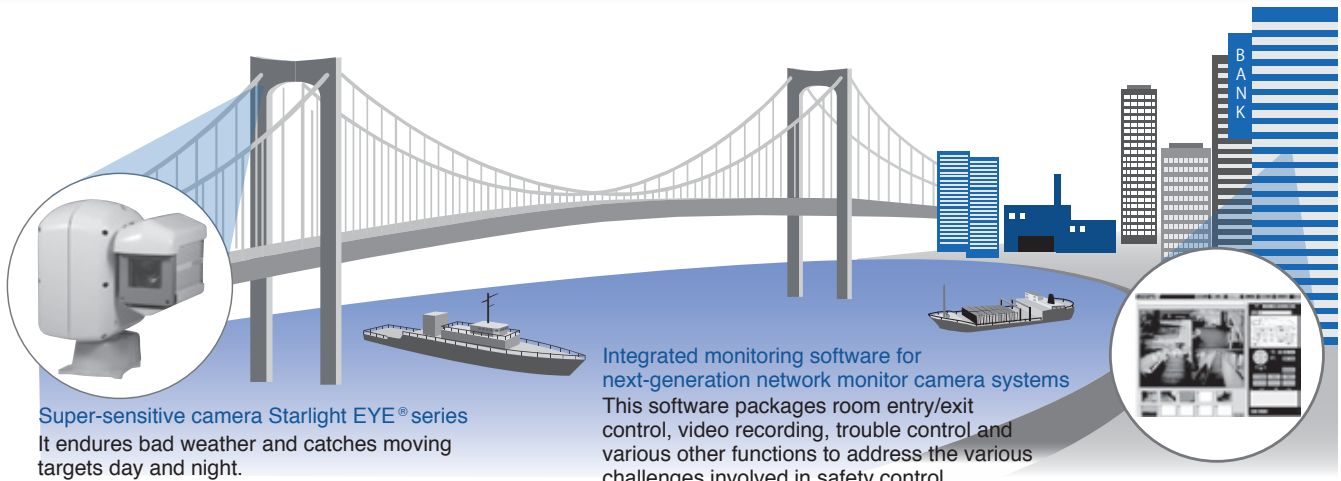
Shuhei Taguchi
Electronic Equipment Design Department
Goyo Electronic Co., Ltd.

With Our Customers – Safety and Security –

Surveillance cameras must endure bad weather day and night.
These cameras can even observe a wide area simultaneously to ensure safety and security for users and society.

Super-sensitive camera Starlight EYE® series
It endures bad weather and catches moving targets day and night.

Integrated monitoring software for next-generation network monitor camera systems
This software packages room entry/exit control, video recording, trouble control and various other functions to address the various challenges involved in safety control.

The super-sensitive camera offers improved performance to ensure "safety and security" in important facilities.

The HC-268 super-sensitive PTZ camera released in February 2009 provides much higher performance than the conventional HC-258 model in terms of such features as sensitivity, size and weight reduction, and environmental resistance.
This model is particularly better in sensitivity than the conventional one and can make video recordings of moving vehicles, people, and other objects, even at night. We sell this product with application emphasis on monitoring rivers, ports and harbors, airports and other important facilities, thereby helping to create a safer and more affluent society.

Super-sensitive
More than 1,000 times as sensitive as ordinary cameras

Resistant to adverse environments

Compact body
About a half the volume of the conventional model
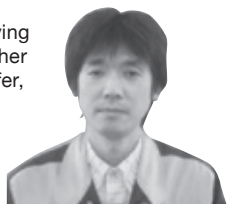
HC-268

＊Starlight EYE® is a registered trademark of the Company.

Voice

Along roads and in rivers, ports and harbors, important facilities and various other monitoring areas, we work to create highly functional and reliable products that meet user expectations. By increasing the sensitivity for obtaining clear monitoring images with little lighting, reducing power consumption, complying with the RoHS Directive and taking other measures, we hope to help build a safer, securer, and more affluent society.

Takashi Ito
CCTV Products Engineering Department
Koganei Works

Perfect security with cameras and a network

With growing interest in safety and security, "monitoring" is becoming increasingly important in various places, including banks with automatic teller machines (ATMs), airports, train stations, factories and agricultural fields.
At the same time, it has become important not only to merely adopt some ingenious ideas in setting the number, performance and locations of monitor cameras, but also to conduct such monitoring efficiently without any trouble with limited personnel and labor.
To meet diversifying and increasingly complex needs, including those for displays of camera images required for monitoring, camera direction control, and other basic functions, along with the interlocking of various sensors and room entry/exit control devices that ensure efficient monitoring with several to several hundreds of cameras and recorders, trouble monitoring functions that examine whether each item of equipment and the network operates normally, and the needs for other functions, we have developed VMnex™ integrated monitoring software [※1] that packages various functions.

＊VMnex™ is a trademark or a registered trademark of the Company.

Voice

Based on our experience of having delivered monitoring software to various users and based on the know-how accumulated through such experience, we have considered the new needs of our users and developed integrated monitoring software. The most-required trouble monitoring function has been designed to cope with trouble not only in core portions of the products, but also in network equipment. We will continue to incorporate measures to address more needs of our users and upgrade our products.

Eiki Konno
CCTV Control System Engineering Department
Koganei Works

Glossary   ※1 ＶＭｎｅｘ™ ············ Video Management for next stage