# **Japan Radio Co., Ltd.** Company Profile 2025-2026









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# Providing Safety and Security to Society To be a True Solution Provider

Since its founding in 1915, Japan Radio Co., Ltd. (JRC) and its Group companies have responded to the diverse needs of customers by providing products and systems that utilize wireless technology.

The world is currently undergoing significant change. Global-scale social issues are becoming increasingly serious. These include natural disasters that are growing more intense due to climate change, the impact of infectious disease outbreaks and conflicts between nations on economic and social activities.

Meanwhile, rapid technological advancements in information technology (IT), such as artificial intelligence (AI) and the Internet of Things (IoT), are completely transforming industrial structures and business models.

Our group will continue to respond to various demands for realizing a sustainable society by leveraging a wide range of wireless technology applications and expanding our reach. We will focus on sensing data and transmitting information for IoT, as well as on creating value from data obtained through the latest IT technologies.

The ability to solve problems using technology is coded into the DNA of the JRC Group. Our management philosophy states that "We, JRC Group shall deliver excellent value and contribute to a bright future for people, society and the world through wisdom and creativity." In keeping with this philosophy, we will continue to contribute to society by solving social issues and providing value to our customers as a "true solution provider that provides safety and peace of mind to society."

We look forward to your ongoing support.



**Representative Director** and President Takeshi Koarai

# Each and every employee strives to realize JRC group management philosophy through his/her actions.

# Management Philosophy

We, JRC Group shall deliver excellent value and contribute to a bright future for people, society and the world through wisdom and creativity.

JRC has established four levels of a code of conduct for our officers, employees, and people we work with.

# **Basic Policy of Management**

- · We will use creative and inventive ideas to develop our original and unique technology.
- · We will respect each other to build mutual harmony and benefit.
- We will engage in fair and equitable business activities and fulfill our social responsibilities.
- We will get aware of the needs of society and take on a challenge seizing every opportunity, then realize them.

# **Strategic Business Domains**



# **Business Conduct Guidelines**

- 1. Respect for Human Rights
- 2. Thorough-Going Compliance
- 3. Respect for Diversity
- 4. Awareness and Concern towards our Environmental Impact
- 5. Safety is the Basis for Everything
- 6. Fair and Transparent Business Practices
- 7. Boldly Striving Forward
- 8. Innovation
- 9. Quality Communication



- Integrated bridge systems
- Cloud/information services (Ships DX)
- Navigational instruments
- Marine communications equipment

a a a a a a a

• Disaster prevention information systems

• River management systems

• Traffic information systems

Radio broadcasting systems

• Weather radar systems

Aeronautical surveillance systems

• Fishing equipment



We provide high-performance, high-quality products for the global shipbuilding sector by leveraging our expertise in ship equipment accumulated over many years and advanced technical capabilities related to radio communications. Going forward, we aim to provide safety and peace of mind for autonomous ship navigation.



Marine systems and products





**Solution Business Division** 

products.

JRC supports the comprehensive implementation of

infrastructure essential to the society. We offer a best

solution for various projects based on our highly reliable





Land systems and products



Airport meteorological doppler radar



- Radar equipment and systems
- Communication equipment and systems
- · Wireless applied equipment and systems

# **Defense Systems Division**

We provide wireless application equipment and systems to Japan's Ministry of Defense. We also aim to expand into the aviation and space industries, which we see as potential growth areas.

Radio broadcast systems

for disaster prevention





Unmanned mobile image transmission systems (ground stations)



- Information and communication equipment • Production equipment
- Winding components for xEV power supplies

• Ultrasonic medical transducers and probes

• Image processing equipment

• Wireless healthcare devices

• Wireless applied equipment

• Analyzers

• Ultrasonic application equipment







We contribute to society by providing outstanding technology that delivers high productivity for a mobile society in the areas of connectivity, sensing systems and mobile infrastructure.



Equipment for



• ETC2.0 equipment for cars and motorcycles

· High-resolution perimeter surveillance radar

• Multiband mobile radio for Mission Critical

• Connected in-vehicle terminals / TCU

• Railway systems for safety

Communications





# **Mobility Business** JRC Mobility Inc.



ETC2.0-compatible vehicles

# Information and Communication Technology / Mechatronics Businesses Nagano Japan Radio Co., Ltd.

We contribute to the realization of smart cities, smart factories, and a decarbonized society through specified low-power wireless systems, automatic production line, and electronic winding components for next-generation automobiles.



Nagano Japan Radio





Electronic paper display tags

Automatic assembly line

# Healthcare Equipment Business

Ueda Japan Radio Co., Ltd.

We offer advanced medical electronics equipment that meets the high demands of the medical industry, with our core strengths being ultrasonic and wireless technologies.



Ueda Japan Radio



Portable ultrasound systems



Allergy screening test kits



Systems for monitoring people who need nursing care



Millimeter wave radar



JRC Mobility



Multiband in-vehicle radio

# Deploying wireless communication technologies amassed over more than a century to meet the needs of the times.

Since its foundation, JRC has continued creating products at the leading edge. Based on technologies and know-how amassed over more than a century, we have deepened our core technological expertise in such areas as antennas, signal processors, amplifiers, and networks. In the communications field, which has advanced significantly in recent years, we help build a prosperous

society by providing solution-based services that meet the sophisticated needs of society. JRC's R&D mission is to foster the creation of a better society by connecting people, things, and communities. We tackle R&D challenges so that we can contribute to safety and peace of mind in the world.

# World-leading technologies born through JRC's research and development



Wireless technology advancement: High-capacity communication systems

As part of our efforts to develop high-capacity technology for upgrading infrastructure systems, we have achieved 4096 QAM multi-level modulation in our ultra-high multi-level modulation and demodulation technology. In millimeter-wave broadband transmission technology, we have achieved high-capacity transmission exceeding 5 Gbps in a 60 GHz-band proximity radio system.

Going forward, we will work on infrastructure development, including in areas beyond 5G, and contribute to the realization of next-generation infrastructure systems.



3D Image of Rain Intensity



# Radar system advancement: Phased Array Radar

As the number of extreme weather disasters increases, weather information with high temporal and spatial resolution is required. Our phased array radar achieves high dense observation for the whole sky in 30 seconds. Hereafter, more accurate observation will be required for accurate weather forecasting and resolving mechanism of hazardous clouds. We will solve the requirements by developing dual polarization phased array radar with simultaneously transmitting and receiving horizontal and vertical polarization waves



High-Precision, Non-Contact Solutions for Sensing Vital Signs

## Allows heart rate and respiratory rate monitoring without touching the body

Utilizing radar technology cultivated over many years, we have developed this system to continuously monitor the heart rate and respiratory rate of a patient through their clothing and without touching the patient's body. The system measures heart rate with an accuracy equivalent to that of devices currently used in hospitals and other institutions. The system also allows for the constant monitoring of a patient's respiratory rate, which in the past was counted visually by medical personnel. In a society market by an aging population and a declining birthrate, we believe this system will help reduce the workload of healthcare professionals and improve patients' quality of life.

# **Quality Assurance**

# Using exhaustive reliability testing and quality control systems to deliver higher levels of safety and peace of mind.

JRC uses rigorous quality control and stringent reliability and evaluation testing across all phases of its products and systems-development, design, manufacture, and installation-in order to foster safety and peace of mind for

# Meticulous quality control systems deliver higher levels of safety and peace of mind



Scanning electron microscope Test samples are irradiated with an electron beam to obtain images with several hundred thousand-fold resolution for detailed surface analysis.





Rapid-rate thermal cycle chambers

This chamber evaluates the reliability of products by subjecting it to repeated stress to determine differences in thermal elasticity when exposed to rapid changes of high and low temperatures.



Temperature and humidity walk-in chamber

Independently controls the temperature and humidity of the chamber and evaluates the environmental durability of devices This chamber's test area dimension is W5.0m x H2.8m x D5.0m

# Quality Assurance Initiatives

JRC received an ISO 9001 quality management system (QMS) certification in 1994 and made the switch to the new 2015 standards in 2017. In 2018, JRC also received certifications in JIS Q 9100, which are QMSs for specific industrial sectors. Using these QMSs as a base, we are building systems and mechanisms for quality assurance. JRC is securing optimal quality in all business areas from products for private markets, to its marine systems which can endure installation in unique environments. We are also responding to diverse customer needs for a wide variety of products through our weather radars, which are made to customer specifications, and our dam control systems.

# ISMS

# Information security

JRC is developing information security activities as a member of the Nisshinbo Group.

We have obtained ISO/IEC 27001 (ISMS) certification for our information security measures, and we work according to this standard. To strengthen our response to external threats, we maintain and improve information security and ensure business continuity by implementing PDCA cycles led by top management.

## Principal activities

- . Provide education on information security through ISMS internal audits and an e-learning system
- Organized CSIRT\* and joined the Nippon CSIRT Association in 2018
- . Support for the detection of, response to, and recovery from information security incident, and prevention of recurrence
- · Prevent information leaks due to cyber-attacks and internal fraud
- . Minimize damage such as through business interruption



customers. We also implement the plan-do-check-act (PDCA) cycle in an effort to offer products that satisfy customers.



# X-ray fluorescence spectrometer

This spectrometer can identify the elements from the fluorescence spectrum generated by irradiating a sample with X-rays.



3m method anechoic chamber

This chamber evaluates the reliability of products by measuring electromagnetic compatibility (EMC).



# Sustainability

**Health Management Initiatives** 

# Health Management Declaration

JRC puts the health of its employees first, promotes the development of a rewarding organization for each and every employee, and aims to be a company that is attractive to both itself and others through health.

# Health Management Initiatives

We are actively engaged in health management, as we view the health of our employees important not just in the sense of promoting their physical and mental health, but also because it links to the health of the organization, and we are continuously implementing a variety of measures to this end. As a result, the Company has been certified as Health and Productivity Management Corporation (Large Enterprise Category) for six consecutive years.

cessation

# Individual Health

By analyzing the data from specific health checkups, we promote exercise and sleep education.

# • Promoting health through walking

We encourage employees to embrace walking as an ongoing habit, as increasing the amount of physical activity through walking helps reduce the risk of lifestyle-related diseases.

#### JRC's own workplace gymnastics

Sleep hygiene training

To prevent health problems and mental disorders caused by VDT work among employees, we conduct our own workplace exercises twice a day throughout the Company.



We provide e-learning to help all employees gain basic knowledge about sleep. At the same time, employees who have sleep issues based on the results of preliminary questionnaires are given individual sleep training (optional) and followed up for three months for improvement.

# **Environmental Initiatives**

We recognize environmental conservation as the most important common concerns for all mankind, and reflect this in all aspects of our business.

# Promoting biodiversity conservation activities

As part of its biodiversity conservation activities, since 2022 JRC has made donations to the Tokyo University of Marine Science and Technology, endorsing its research theme of "Collection and Monitoring of Drifting Marine Plastic Litter by Set Net Fishing."



CO2-free electricity to help reduce greenhouse gas emissions.

and then based society energy solutions The Chugoku Branch Office and the Yamaguchi Sales Office participate in "hands-on activities to protect water through afforestation." Or goals are to foster experience of afforestation and deepen understanding of the functions forests play in water source irrigation and the prevention of global warming.

· Providing dinner at the company cafeteria (Nagano and Kawagoe offices)

In addition to lunch, the employee cafeteria serves dinner to provide employees

with nutritionally balanced meals and to reduce the burden of digestion

on the gastrointestinal tract by ensuring an early dinner time.

· Supporting outpatient treatment for smoking

The health insurance association pays the full cost of

outpatient treatment for smoking cessation, since

smoking is associated with many diseases,

including cancer, and also causes lung cancer

and other health problems not only to the

smoker but also to those around him or her.



Signature of the state of the s

Environmental

Experiential activity on water protection through afforestation

Utilization of CO<sub>2</sub>-free electricity produced in Shinshu Nagano JRC is partly powered by CO2-free electricity produced by a hydroelectric power plant in Nagano Prefecture. In April 2023, we began purchasing "Shinshu Green Electricity" from Chubu

Electric Power Miraiz Co., Inc. We aim to increase the amount of locally produced and consumed

地球にやさしく、未来をあかるく、 LIMGreenでんき 個人型的定用力 州 121 -Greenでんき 111 2 was



The following initiatives are being implemented to improve productivity, increase employee motivation, and prevent employee turnover.

#### Stress checks

M ° b ;

JRC's commitment to a sustainable future

nments

Based on the results of stress checks, we analyze individual stress levels and risks by department. Through collaboration among in-house specialists such as industrial physicians and public health nurses, as well as workplace personnel, we work to reduce individual stress levels and improve workplace environments.

### · Women's health education

To help women remain healthy and maintain high job performance, it is essential that they and those around them have correct knowledge of women-specific health-related issues and take appropriate actions. We offer e-learning to foster understanding and action in this regard.

# Fulfilling our obligation to ensure safety

While taking into consideration the needs of the times, we engage in detailed work-related considerations to protect the safety and health of our employees and help them to play an active and vibrant role in the Company.



- As part of the Nisshinbo Group, we have created unified management standards for overseas assignments, hazardous work, late-night work, and other highly burdensome work.
  - · Measures to prevent passive smoking To reduce the harmful effects of tobacco, which is implicit in many diseases, we work to prevent passive smoking by providing segregated smoking areas and restricting smoking hours.

# Disaster Prevention and Radio Craft Workshop

The Disaster Prevention and Radio Craft Workshop is a place where children are carefully taught the importance of disaster prevention and the fun of making things. The workshop provides practical learning, including the creation of My Timeline\*, with the aim of eliminating the number of delayed evacuations. This program provides a valuable opportunity to learn about life-saving disaster prevention through hands-on experience with how to gather information using radar and the Internet, and how radios and wireless systems work. As they play, children acquire knowledge and skills that help them prepare for disasters such as earthquakes and floods, taking steps toward building a safer society.





Learning how to solder, with the support of a staff membe

# prevention radio

#### \*About My Timeline

8

Health ma

Life

My Timeline started as part of the government's "zero delayed evacuations " initiative by the "Everyone Timeline Project" of the Shimodate River Office of the Ministry of Land, Infrastructure, Transport and Tourism. Under this initiative, each resident creates a timeline to compile and organize their own standard disaster prevention actions to be taken when river levels rise due to an approaching typhoon. The timeline is to be used as a checklist of actions to be taken and as a tool to support decision making in the event of floods with severe time constraints, thereby contributing to the goal of zero delayed evacuations.

8

### Regular health checkups and disease prevention

All employees undergo regular health checkups to aid in the early detection and treatment of illnesses, as well as helping prevent or slow the progression of illnesses based on the results of the checkups.

### Mental health measures

We believe that management supervisors are the key people to creating comfortable workplaces (fostering a sense of security and a highly productive workplace). Accordingly, we provide "care by the line" e-learning for department heads and group heads. The objective is to acquire the knowledge necessary to care for subordinates, and to learn how to respond to consultations from subordinates and as a workplace organization.

#### · Health management support for expatriates and business travelers

For employees posted overseas, medical checkups and interviews with industrial physicians are conducted before and after returning from overseas assignments. Short-term overseas business travelers are required to submit a medical questionnaire before and after their trips, and industrial physicians or nursing staff provide information as necessary. From a safety standpoint, we offer employees who need follow-up checks support through interviews and phone calls.

# Regional and social activities

# JRC contributes to sustainability and longevity of society, which is confronted with various challenges, including a low birthrate and aging population.

Listening to the sound of a disaster



Creating My Timeline while looking at a hazard map

# Expanding our service network in Japan and overseas.

## International Business Bases & Main Subsidiaries

# Asia

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Hanoi Representative Office Hanoi Tung Shing Square, Unit 802, 8th floor, 2 Ngo Quyen Street, Hanoi, Viet Nam Phone: +84-24-3936-2500 Fax: +84-24-3936-2498

**Taipei Representative Office** 5-4F, No.50, Sec.4, Nanjing E. Rd., Songshan Dist., Taipei City 105, Taiwan, R.O.C. 

PT. JRC SPECTRA INDONESIA ATRIA@SUDIRMAN, 20th Floor, Jalan Jenderal Sudirman Kav.33A, Jakarta 10220, Indonesia Phone: +62-21-573-5765 Fax: +62-21-573 5691

## North America

New York Sales Office 1 Bridge Plaza North, Suite #275 Fort Lee, NJ 07024, U.S.A. Phone: +1-201-242-1882 Fax: +1-201-242-1885

San Jose Technical Development Center 3000 Scott Boulevard, Suite 212, Santa Clara, California 95054, U.S.A. Phone: +1-408-217-9832

## South America

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Alphatron Marine Belgium BVBA Nieuwe Weg 1, B-2070 Zwijndrecht, Belgium Phone: +32-3-685-2196

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Alphatron Marine Korea Co., Ltd. 240, Jungang-daero, Dong-gu, Busan 48732, Korea Phone: +82-51-714-1862

U.S.A.(Washington D.C.) 1750 Tysons Blvd, Suite 1535, McLean, VA 22102, U.S.A. Phone: +1-703-289-5028 Fax: +1-703-388-0648

Alphatron Marine USA, Inc. 1205 Butler Road, League City, 77573, Texas, U.S.A. Phone: +1-281-271-4600

Alphatron Marine Caribbean B.V. De Rouvilleweg z/n, Willemstad, Curaçao Phone: +5999-788-9953

Alphatron Marine Deutschland GmbH Verbindungsweg 23d, 25469 Halstenbek, Germany Phone: +49-4101-37710

Alphatron Marine Poland Sp. Z o.o. ul Bialowieska 6B 71-010 Szczecin Poland Phone: +48-91-43-10-452

Alphatron Marine Iberia S.L. Calle de los Manzanos 34 28703 Madrid Spain Phone: +34-674-117-132

ProNav AS Fiskarvik Maritime Senter Hovlandsveien 52 4374 Egersund Norway Phone: +47-51-46-43-00

# **Domestic Sales Bases**

# Head Office, Office, Plant

Head Office Nakano Central Park East, 10-1, Nakano 4-chome, Nakano-ku, Tokyo 164-8570 

Mitaka Office 21-11, Mure 6-chome, Mitaka-shi, Tokyo 181-0002 Phone: +81-422-45-9183 Fax: +81-422-46-3886

Tatsumi Office 7-32, Tatsumi 1-chome, Koto-ku, Tokyo 135-0053 Phone: +81-3-5534-1213 Fax: +81-3-5534-1199

Kawagoe Plant 1-12, Fukuoka 2-chome, Fujimino-shi, Saitama 356-8580 Phone: +81-49-257-6220 Fax: +81-49-257-6159

Nagano Plant 834, Inasatomachi, Nagano-shi, Nagano 381-2289 Phone: +81-26-214-6910

Kanto Logistics Center Saitama Sales Office Mitsui Fudosan Logistics Park Hino, 1-1, Asahigaoka 3-chome, Hino-shi, Tokyo 191-0065 Phone: +81-42-589-1521

Marine Systems Division Hakodate Branch Phone: +81-138-22-5855 Fax: +81-138-27-1477

Sapporo Sales Office Phone: +81-11-261-8339 Fax: +81-11-261-3879

Wakkanai Sales Office Phone: +81-162-22-7597 Fax: +81-162-22-3653

Hachinohe Sales Office Phone: +81-178-33-5222 Fax: +81-178-34-3891

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Kansai Branch Phone: +81-6-6344-1633 Fax: +81-6-6344-1681

Kochi Sales Office Phone: +81-88-883-8871 Fax: +81-88-885-3297

Kvushu Branch Phone: +81-92-262-2141 Fax: +81-92-262-2161

**Group Companies** 

Nisshinbo Holdings Inc. Nagano Japan Radio Co., Ltd. Ueda Japan Radio Co., Ltd. JRC Tokki Co., Ltd. Japan Radio Glass Co., Ltd.

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Nagasaki Sales Office

Aomori Sales Office

Iwate Sales Office

Akita Sales Office

Niigata Sales Office

**Toyama Sales Office** 

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Kanto Regional Branch Phone:+81-422-40-1225 Fax:+81-422-40-1229

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Phone: +81-776-24-9383 Fax: +81-776-24-9388

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Chubu Regional Branch Phone: +81-52-959-5901 Fax: +81-52-959-5908

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Okayama Sales Office Phone: +81-86-243-3700

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Oita Sales Office Phone: +81-97-538-1700 Fax: +81-97-538-5900

Miyazaki Sales Office Phone: +81-985-23-6110 Fax: +81-985-23-6054

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# **Defense Systems Division**

Tokyo branch office Phone: +81-3-4446-7862

JRC Engineering Co., Ltd. JRC MARINFONET Co., Ltd. JRC System Service Co., Ltd. JRC Mobility Inc.

# Profile

ipany Data		As of 31 Decemb
Trade Name	Japan Radio Co., Ltd.	
Head Office	NAKANO CENTRAL PARK EAST, 10-1, Nakano 4-chome, Nakano-ku, Tokyo 164-8570 Phone : +81-3-6832-1721	
Mitaka Office	21-11, Mure 6-chome, Mitaka-shi, Tokyo 181-0002 Phone : +81-422-45-9183	
Founded	December 1915	
Paid-in Capital	14,704 millions of Yen	
Number of Employees (Consolidated)	5,456	
Net Sales (Consolidated)	148,290 millions of Yen	
Classification of Business	Manufacture and Sale of Radio Communication Equipment	
Parent Company	Nisshinbo Holdings Inc.	

As of 26 March, 2025

# Board of Directors

Chairman of the Board · · · · · · · · · Kaichiro Sakuma
Representative Director and President ····· Takeshi Koarai
Director and Executive Officer ······ Takuya Noda
Director · · · · · · · · · Yasuji Ishii
Director · · · · · · · · Hiroyuki Wakabayashi
Standing Corporate Auditor ······ Osamu Nagashima
Auditor · · · · · · · · Kenichi Morita
Executive Officer · · · · · · · · · · · · · · · · · Haruhiko Oba
Executive Officer · · · · · · · · · · Masayuki Kobayashi
Executive Officer · · · · · · · · · · · · · · · · Ryo Sakuma
Executive Officer · · · · · · · · · · · · · · · · Hiroshi Kumagai





Organization Chart

	Corporate Internal Auditing
	Structural Reforms Promotion Office
	Corporate Transformation Promotion Office
	Innovation Promotion Office
	<ul> <li>Digital Transformation Advancement Department</li> </ul>
	— Digital Engineering Advancement Department
	—— Infrastructure & Security Department
	Process Innovation Advancement Department
	Corporate Planning Department
	Accounting & Financial Department
	Sustainability Promotion Department
	Legal & Intellectual Property Department
	Business Promotion Department
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	General Analis Department
	Human Resources Department
	Facilities Administration Department
	DX Incubation Center
	San Jose Technical Development Center
	Technical Development Department
	Mechanical Design Department
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	Production Management Department
	Procurement Department
	Production Engineering Department
	Quality Assurance Promotion Department
	Quality Evaluation Center
	Business Planning Department
	Domestic Business Department
	International Business Department
	Marine Electronics Engineering Department
	Marine Solution Engineering Department
	Maline Service Department/Marine Electronics
	Marine Equipment Management Department
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	Business Management Department
	Strategic Planning Department
	Domestic Sales Management Department
	International Sales Management Department
	Field Engineering Management Department
	Engineering Management Department
	Transportation Solutions Engineering Department
	—— Maritime and Aviation Solutions Engineering Department
	—— River Basin Management Solutions Engineering Department
	Control Solutions Engineering Department
	Microwave Communications Department
	Disaster Prevention Solutions Engineering Department
	Network Engineering Department
	System Integration Department
	Quality Assurance Department
	Production Management Department
	Hokkaido Hegional Branch
	IUIUKU REGIONAL BRANCH
	Hokushin-atsu Regional Branch
	Chuhu Regional Branch
	Kansai Regional Branch
	—— Chugoku Begional Branch
	Kyushu Regional Branch
	, g
	Business Planning Department
	Advanced Defense Systems Project
	Defense Systems Production Management Department
	Defense Systems Sales Department

- Defense Systems Engineering Department Defense Systems Production Department Defense Systems Quality Assurance Department

# The History of JRC

# Our first step in 1915 connects to the world now.

History		Project	History		Project
Dec. Anonymous Association, Nippon Radiotelegraph Manufacturing Co. is founded.	1915		Jan. Our capital surpasses 10 billion yen.	1990	Mar. The world's first "Automotive GPS receiver for car navigation" debuts.
	1916	Dec. "Nippon Radio quenched spark radiotelegraph unit,"our first product, is developed.		1991	Sep. "A new series of radio communication equipment for the GMDSS" is developed.
Mar. Nippon Radio Telegraph Manufacturing & Co., Ltd. is founded.	1917			1993	Feb. We delivered our first mobile telephone for domestic market.
	1918	Sep. Our first "vacuum tube" is developed.	Apr. Japan Radio Company (HK) Limited is founded.	1994	
Feb. The company is reorganized as Nippon Radio Telegraph and Telephone Co., Ltd.	1920		Jul. We introduce its system of independent divisions.		
	1922	Feb. Japan's first "radio for weather broadcasting" is developed.	Jun. LPA (Linear Power Amplifier) factory opens.	2000	
	1923	Dec. Japan's first "500W vacuum tube type transmitter" is developed.	Oct. MARINFONET CO., LTD. (current JRC MARINFONET CO., LTD.) is founded.		
Apr. A contract on capital and technology is concluded with TELEFUNKEN GmbH in Germany.	1924	Jun. Development of radio parts and radio receiver commences.	Dec. The head office relocates to Nishishinjuku, Shinjuku-ku, Tokyo.	2002	
Jan. Our headquarters and factory relocate to newly constructed facilities in Osaki, Tokyo.	1930	Dec. Our "new style of radio receiver" wins first prize		2006	Oct. "JRM-11 Series ETC automotive equipment for motorcycles" is released.
		in the National High-grade Radio Receiver Prize Competition Exhibition.		2008	May The world's first "MED approval for marine radars conforming to the new
L. O. Status subsciences in a statistical for the la Musica Tal.	1932	Mar. Fully nationalized "500W power broadcasting transmitter" is developed.	Aug. The head office relocates to Ogikubo, Suginami-ku, Tokyo.	2009	IMO radar performance standard" is acquired.
Jul. Our factory relocates to newly constructed facility in Mitaka, Tokyo.	1938		Dec. We become a consolidated subsidiary of Nisshinbo Holdings Inc.	2010	Jun. The world's first "9GHz band 300W marine solid-state radar" with
	1939	The world's first "cavity magnetron" is developed.			a narrower radar band is developed.
Dec. Our company name changes to "Japan Radio Co., Ltd."	1942		Nov. A locally incorporated company is established in Shanghai.	2011	Dec. The world's first "S-band/solid state weather radar" is supplied to
Dec. Our new logo is <b>JRC</b> born.	1945		Sep. We issued a plan for "Structural business reforms toward renewed growth."	2012	PAGASA in the Philippines.
	1948	Nov. Japan's first "ultrasonic sounding equipment" is developed.	Dec. Alphatron Marine Beheer B.V. becomes a consolidated subsidiary.	2013	
Uct. The firm restarts as Japan Radio Co., Ltd.(secondary corporation).	1949	May We commercialize a fish finder after demonstrating strong performance	Jul. The head office relocates to Nakano, Nakano-ku, Tokyo.	2014	
Nagano Japan Radio Co., Ltd. is founded.		in fish finding experiments.	Aug. Nagano plant opens.		
Ueda Japan Radio Co., Ltd. is founded.			Dec. The Advanced Technology Center opens.		
	1952	Dec. Japan's first "9GHz marine radar"is developed.	Mar. Construction of the production building is completed.	2015	Jul. We release "the world's smallest and lightest S-band solid state radar."
Feb. Uur stock is listed on the Tokyo Stock Exchange.	1953		Oct. We celebrate the 100th anniversary of its founding.		
Oct. Osaka Wireless Office Co., Ltd.(current JRC System Service Co., Ltd.)is founded.	1954	Mar. Japan's first "weather radar"is developed.	Mar. Nagano Japan Radio Co., Ltd. And Ueda Japan Radio Co., Ltd. becomes wholly owned subsidiary.	2016	
May Japan Kadio Glass Co., Ltd. is founded.	1955		May The Marine Service Center opens.		May Japan's first "Compact LTE system" is deliverd to Kyoto University.
Apr. A technical assistance contract is concluded with IELEFUNKEN in Germany.	1957				Jul. "JRM-21 ETC2.0 automotive equipment for motorcycles" is released.
Nov. Sasebo Japan Radio Co., Ltd. is founded.			Aug. Kawagoe plant opens.		
	1960	Feb. The world's first "transistorized LORAN receiver" is released.	Oct. Alphatron Marine Beheer B.V. becomes wholly owned subsidiary.		
		Sep. "A rainfall/water-level telemeter system" is delivered to the Futase Dam.	Jan. PT. JRC SPECTRA INDONESIA is founded.	2017	May New navigation support tool "J-Marine NeCST" is jointly developed.
Jul. A new head office opens in Ioranomon, Minato-ku, Iokyo.	1961		Apr. San Jose Technical Development Center opens.		Sep. We delivered a large driving simulator to an automobile manufacturer.
Uct. Japan Radio Cooperation Association is founded.			Jul. Alphatron Marine Korea Co., Ltd. is founded.		
Dec. As a joint venture with RAY IHEON company in the US, New Japan Radio Co., Ltd. is founded.			Oct. JRC becomes wholly owned subsidiary of Nisshinbo Holdings Inc.		
	1964	Aug. Japan's first "simultaneous interpretation system"is delivered.	Jul. ProNav As becomes wholly owned subsidiary.	2018	
		"The sound systems for the Tokyo Olympics" are delivered.		2019	Jan. For the first time in the world, phased weather radar was used for the high-speed 3D
Aug. A new Defense Systems factory opens.	1968				observation of tornadoes associated with typhoons.
Uct. A laboratory opens.	1969	Oct. A "compact, transistor-type marine radar" is developed.			Sep. Began transmitting disaster-related information to digital signage used
	1970	May Our "JAC-120 general-purpose computer system" is released.			at underground commercial facilities using Alertmarker+, the first system of its kind in Japan
	1971	May Japan's first "real-time signal analyzer"is released.	Mar. Certified as a Health and Productivity Management Corporation 2020 (Large Enterprise Category)	2020	Mar. Developed JM-Watcher II, the first app in Japan that helps prevent collisions to
May JRC do Brasil Empreendimentos Electronicos Ltda. is founded.	1975	Aug. Japan's first "Ship Earth Station device for the international maritime satellite system "is developed.	Note: We have maintained that certification since		providing notice of approaching marine vessels.
	1977	Jun. "An amateur radio receiver" is released.			Jun. We participated in the Nippon Foundation's fully autonomous ship program.
	1979	Mar. "Fully solid-state PCM/PSK multiplex radio communication equipment" is developed.	Jan. The telecommunications equipment business is transferred to JRC Mobility Inc.	2021	Apr. We conducted Japan's first successful video transmission experiment using
Apr. Japan Radio clinic opens.	1982				geostationary satellite connection to local 5G.
May The Saitama plant opens.					Sep. Japan's first Alertmarker+ multilingual translation service begins operation at Kagoshima Airpor
Apr. JRC Engineering Co., Ltd. is founded.	1983	Aug. We achieves the top world share in "Ship Earth Station devices for the			Nov. We succeeded in the world's first autonomous collision avoidance of a small
A new automated production factory opens.		international maritime satellite system."			unmanned aircraft at a relative speed of 200 km/h.
May The head office relocates to Akasaka, Minato-ku, Tokyo.				2022	Jun. We delivered a "multilateration system" to the Vietnam Air Traffic Management Corporation
	1984	Aug. Japan's first "GPS receiver for ships" is developed.			Jun. We released the "Safety Zone Viewer," a collision danger zone display function.
Oct. JRC Tokki Co., Ltd. is founded.	1985			2023	Apr. We developed the "offshore facility access gangway," Japan's first six-axis motion
Oct. A new factory of manufacturing of printed wiring board opens.	1986				compensator with an overhead bridge.





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(1939)

Japan's first meteorological radar

(1954)





Amateur radio receiver NRD-505 (1977)

Inmarsat-A JUE-35A (1983)

