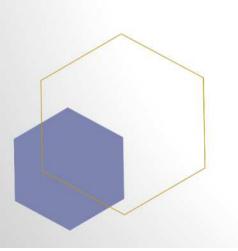
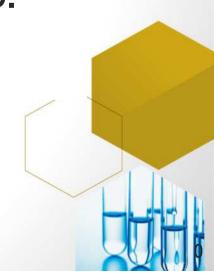






Securities Code: 4973 July 28, 2022







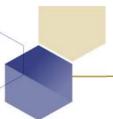
Establishment of Long-term Vision

The Company has built up a record of achievements specializing in noble metal plating as a company that works in fabless-type R&D-oriented company with a few of selected and skilled workforce.

Today, 50 years after our establishment, in an electronic components industry that is rapidly expanding with the COVID-19 pandemic and the shift towards DX, it has become clearer that our technologies can also provide solutions for social issues outside of our existing markets.

With a view to grasping needs in new business domains and market, and providing solutions to the social issues, we aim to evolve into the company that is appreciated in new markets as well as our existing ones, dividing the period through to 2030 into three phases.

1. Our Strength



Technological Transition

	Electronic devices	Calculators Color TVs Radios	Mainframes Video game platforms	Video game platforms PC Mobile phones	Notebook computers Digital cameras Flat-screen TVs Smartphones	Smartphones Tablets HEV / PHEV / EV	Products beyond 5G HEV / PHEV / EV Automatic driving
	Package technology	DIP	Ceramic PGA QFP	PPGA QFN CSP BGA TAB	FC-BGA PoP FC-LGA 3D Sip	TSV FOWLP	TSV FOWLP ▼TSV
		DIP	▼QFP	▼BGA Auワイヤー 封止樹脂 半導体チップ はんだボール 基板	▼POP AUワイヤー ・ 学導体チップ ・ はんだポール ・ 基板	▼FOWLP 封止機脳 半導体チップ はんだポール 再配線層	TSV (Si貫通電板) 封止樹脂 半導体チップ はんだポール 基板
	Printed circuit boards (PCB)	Multilayer PCB Single-sided flexible PCB	Ultra-multilayer PCB Single-sided flexible PCB	Build-up PCB Double-sided flexible PCB	Build-up PCB Rigid-flex PCB	Any-layer PCB Multilayer flexible PCB	Embedded PCB
		1970s	1980s	1990s	2000s	2 010s	2020s

Chronology of Our Key Plating Technologies

Electrolytic gold plating Electrolytic silver plating

Electroless gold plating
Electrolytic palladium plating

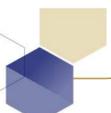
Electroless palladium plating

Cyanide-free electroless gold plating

Nickel barrier gold plating

Nickel-free processes

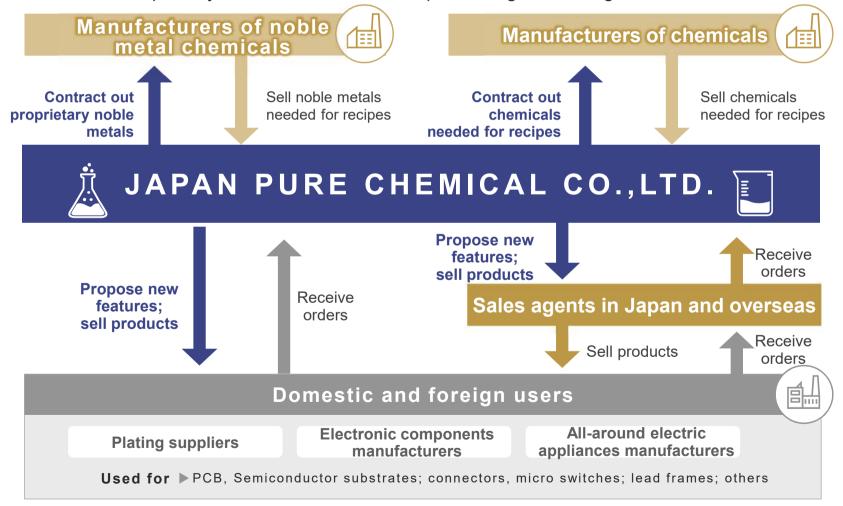
- Since its establishment, JPC has supplied noble metal plating chemicals used for the final surface treatment of electronic components.
- We have adapted to change with the times to offer technologies for miniaturized electronic components with higher pin counts and higher density.



Business Model

JPC specializes in developing the recipes of our products used for plating as a fabless company consisted by a few of selected and skilled workforce, which offers added value.

- Explore 100,000 types of chemicals available on the market to find the best ingredeients and combinations.
- Outsource the plant synthesis and intermediate processing of each ingredient.



2. External Environment

External Environment

Unclear and uncertain current management environment

Environmental risks

- Pandemics
- ■Natural disasters
- **■**Climate change

Geopolitical risks

■ Customs and trade restrictions ■ Terrorism, conflict, and war

Economic risks

■ Shortage of key raw materials ■ Shortage of key components

Technological risks

- ■Cyberattack
- ■Inadequate transport infrastructure

Unchanging megatrends

Lifestyle changes due to COVID-19

Decarbonization/Resource saving/Energy shift

Rapid increase in data communication traffic and capacity

Multiple social issues to which the Company can contribute

Business opportunities utilizing the Company's originality and intellectual property

Expanding demand for loT devices for DX



Spread of remote work and online learning



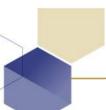
Continued shift to EVs



Expansion of data center-related demand



Printed circuit boards and Semiconductor substrates/ Connectors and Micro switches/ Lead frames /Battery materials, etc.



Market Outlook for Existing Fields

As the demand for final products grows, the electronic components market as an existing field is also expected to stably grow.

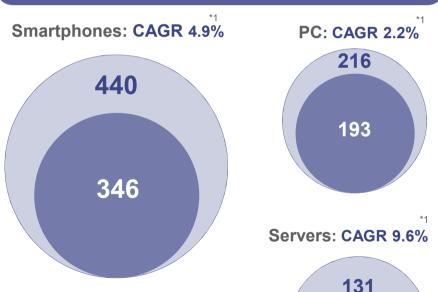


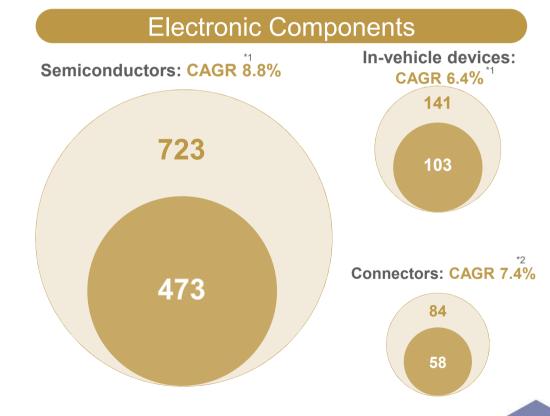
USD in billions
The size of a circle
indicates the market size.

<Source>

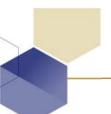
- 1 FY2021 Survey of Infrastructure Development Status for Data-driven Society in Japan (Survey of Market and Policy Trends in the Electronic Device Industry and Other Related Industries)
 (INFORMA UK LIMITED, survey report commissioned by the Ministry of Economy, Trade and Industry)
- *2 Connectors Market 2021 (Sangvo-Joho Limited)

Final Products





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Plating and Batteries Share Principles - Redox Technology

Trying to solve energy issues to apply our plating technologies (electricity storage technologies)

Social Issue

Evolution of DX; Pursuit of Resource Conservation

To increase functionality of electronic devices

To enhance electricity storage technologies

Miniaturization and refinement technologies

High-performance and high-capacity batteries





Battery materials; Electrolytes

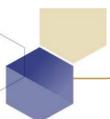
Mission

Redox-innovation

Redox: A portmanteau of "reduction" and "oxidation" referring to oxidation-reduction.

We create added value using redox technology cultivated in the field of plating

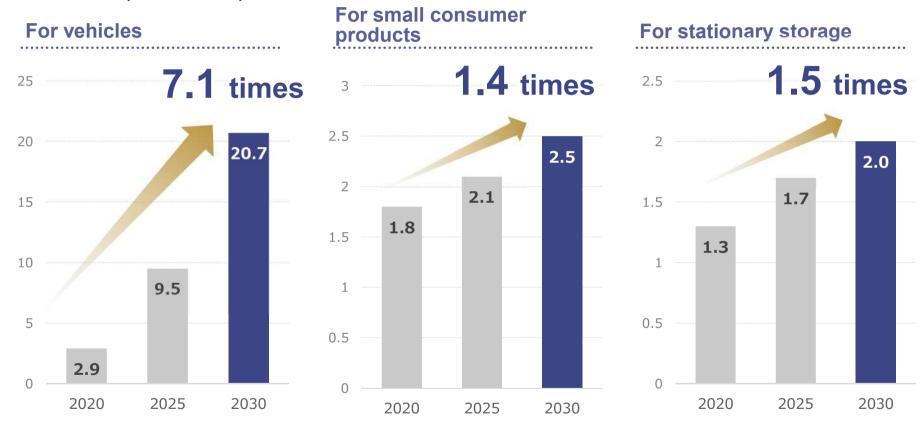




Secondary Battery Market Outlook

The markets, mainly in secondary batteries for vehicles, are expected to grow.

Market size (JPY trillions)



The figures in JPY trillions have been estimated referring to GWh-based market forecasts (the unit prices (JPY/kWh) researched by JPC) <Source> Batteries for vehicles and small consumer products: "Battery Industry Strategy - Interim summary -," the Ministry of Economy, Trade and Industry (November 18, 2021)

For stationary storage: "Transition and Forecast of Global Stationary Energy Storage Systems (ESS) Market Size by Installed Location," Yano Research Institute Ltd. (September 14, 2021)

Applying Redox Technology for Plating to Batteries

We create added value using redox technology cultivated in the field of plating

Core technologies

Battery materials; Electrolytes

Our opportunities

Electroless plating

Nanoparticles

Electroless plating for nanoparticle creation

Apply the stabilization and reaction control technologies for plating components to nanoparticle synthesis

Electrolytic plating

Electrodes

Electrolytic plating for the creation of electrode materials

Expand the application of the technology for forming plated coatings to the surface modification of electrode materials

Plating solutions

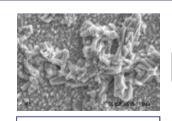
Electrolytes

Plating solutions applied to electrolytes

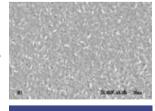
Apply the technology for combining components to the development of recipes for electrolytes

*Dendrites: Branched crystals

Dendrites that is developed while a lithium-ion battery is charged trigger a short circuit inside the battery, which causes the battery to deteriorate or catch fire.



Dendrites* develop



No dendrites

3. Mid-term Management Plan

Corporate Philosophy and Vision



Vision RDD2030

Contribute to electronics with curiosity about chemistry

As a linking bridge between fine chemicals and electronics, we will contribute to society globally with our ingenious products.

Become a fine chemical company that leads the electronics industries by addressing social issues and exerting diverse perspectives and unique creativity

RDD2030 Apply Redox Technology to Battery Materials!

Unite as Team JPC, we will create added value with the Redox technology cultivated through plating RDD2030

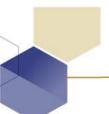
Redox-innovation through Discovery & Development toward 2030

Medium-term
Management Plan

Medium-term Management Plan 2022-2024

As a development-oriented company, we will gather information on market needs and develop ingenious products

Redox: A portmanteau of "reduction" and "oxidation" referring to oxidation-reduction.



Medium-term Management Plan Road Map

Redox-innovation through Discovery & Development toward 2030

RDD2030

Apply Redox Technology to Battery Materials!

Unite as Team JPC, we will create added value with the Redox technology cultivated through plating

Phase Medium-term
Management Plan
2022-2024

Phase **2** 2025–2027

Phase **3** 2028-2030

- Creation of new business domains (Technology investment)
- Deeper relationships with business partners through DX (Sales investment)

Initiatives for sustainability management
Recruit and train active and autonomous human resources

Measures for New Business Development in the Existing Fields

Measures

- Increase market recognition
 - Increase brand recognition in Japan and overseas, particularly in markets where our profile is still low, through fairs and advertising.
- Propose comprehensive processes for higher performance

Boost performance through comprehensive collaborative processes that cover equipment, pretreatment, and aftertreatment.

Propose green products

Propose energy-saving processes that use no cyanogen, poisonous or deleterious substances.

Segment		Target Market	Mea- sures	Detail	
Printed circuit boards (PCB); Semiconductor	PCB	Smartphones PC	3	Establish a framework that enables us to propose comprehensive processes for motherboards or FPC through collaboration with manufacturers of surface treatment chemicals and of equipment as well as sales agents. Propose new nickel-free processes (DIG and EPIG) to end users to make substantial progress toward certification.	
substrates	Package substrates	Servers Smartphones PC	2	Increase our market share by widely selling high-performance green products for package substrates designed for servers, smartphones, and PCs.	
Connectors; Micro switches		Smartphones Automobiles	1	Based on the wealth of experience we have in the field of fine connectors for smartphones, offer the gold-saving process to European, North American, and Chinese manufactures, in addition to Japanese manufacturers.	
Lead fra	Smartphones Automobiles	1	Increase the sales of silver plating chemicals (applicable to photomasks) that can be used for fine-pitch products that are expected to increase going forward.		
Semiconductors		Smartphones Automobiles	1 2 3	Propose green products for high-frequency/power devices in the field of semiconductors where demand is expected to grow.	

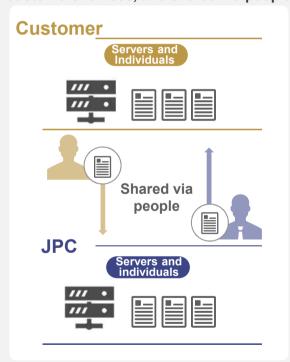


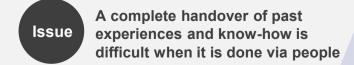
Information System-Driven Sales Strategies

Increasing one person's strength tenfold: The technical support we offer in Japan is available all over the world

Present state

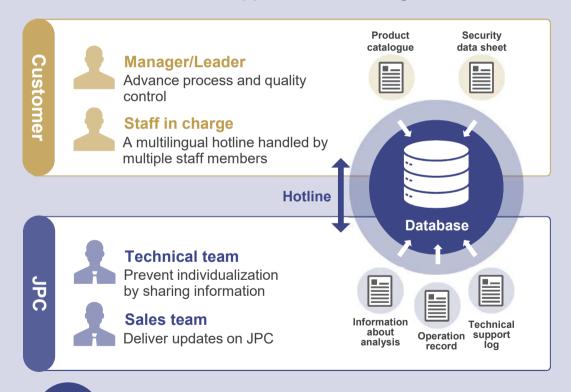
Data and information are managed by servers and individuals at JPC and customers' offices, and shared via people





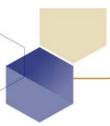
After introduction

- Information is shared and centrally managed via a database
- Technical and sales support offered through a hotline





Centralized management of information via a database prevents problems and enables the proposal of solutions



Sustainability Policy and Framework

Basic Policy on Sustainability

Under the corporate philosophy "Contribute to electronics with curiosity about chemistry," we face social issues squarely, such as the world's environmental risks, lifestyle changes, and the energy transition; connect more closely to stakeholders; and adopt diverse perspectives and harness our creativity, thereby aiming to serve as a linking bridge between fine chemicals and electronics.

Since we are a chemical manufacturer which uses noble metals and rare minerals and deals with many kinds of chemical substances, environmental consideration is a matter of high concern. Based on the premise that we must effectively utilize natural resources, preserve the global environment and contribute to sustainable society, we will conduct business activities and continuously reduce the environmental burden.

Framework for Advancement

Announcement on our website and at presentations

Board of Directors and Management Council

Reporting and Deliberation



ESG Committee

Chairperson: President
Members: Outside Directors, Auditors,
Heads of Divisions

Regular reporting



Interdivisional review team

Our Focus



Development and manufacturing of environmentally conscious products

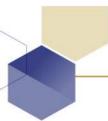


Training employees to be active and self-initiative human resources

Supporting employees' work styles, thereby helping to create an engaged society with a high level of job satisfaction



Management from the perspective of shareholders Supervision and guidance provided by outside officers and internal audit



Initiatives to Meet ESG Criteria

We contribute to the creation of a sustainable society by responding to any changes in the business environment to pursue equitable corporate activities.

Objective

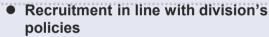
What we specifically do

Related SDGs



- Create environmentally friendly products
- Create an alternative to grainbased materials
- Reduce CO₂

- Development of cyanide-free gold plating chemicals
- Reduction in the usage of grain-based materials to help resolve the global food problem
- Reduction in energy consumption and discarded material; reduce the volume of plastic packaging



- Active and autonomous talent training program
- Achievement of recognition as a **Certified Health & Productivity Management Outstanding Organization** by METI
- New theme promotion program in which all employees participate
- Advancement of corporate governance that consolidates outside officers and the executive leadership team
- Demonstration of JPC's uniqueness and growth potential through corporate survey reports
- Review of our business continuity plan
- Enhancement of information security















- Recruit and train diverse core talent
- Provide a good work environment
- Employee incentive programs
- Enhance the scholarship program (foundation)











- Establish stricter business monitoring
- Deliver information to stakeholders
- Ensure to be in full. compliance with all laws and regulations





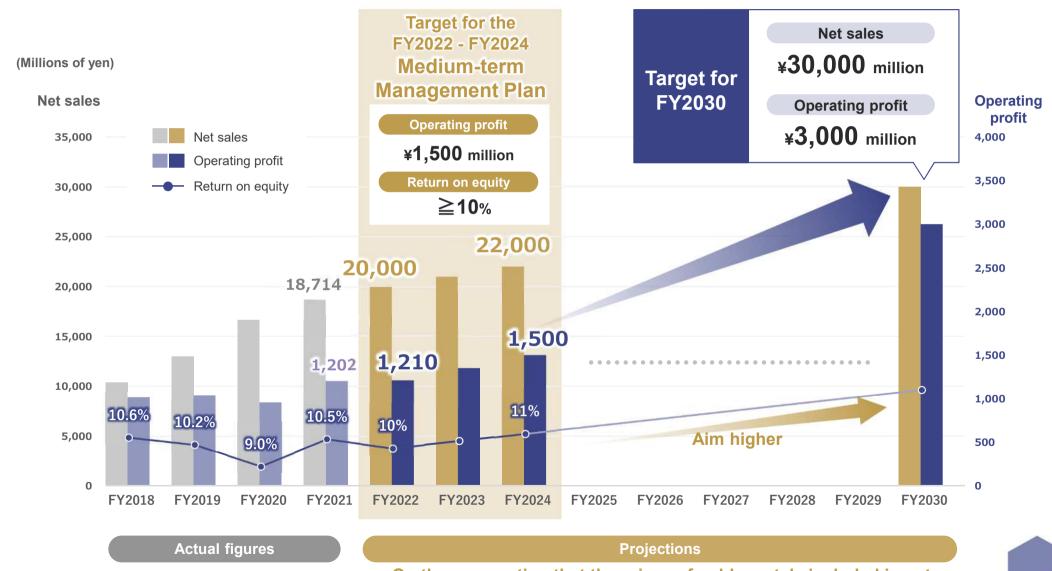


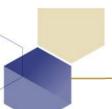


4. Management Goals

Financial Goal 1

Achieve a continuous increase in operating profit that centers on new business development in the existing fields

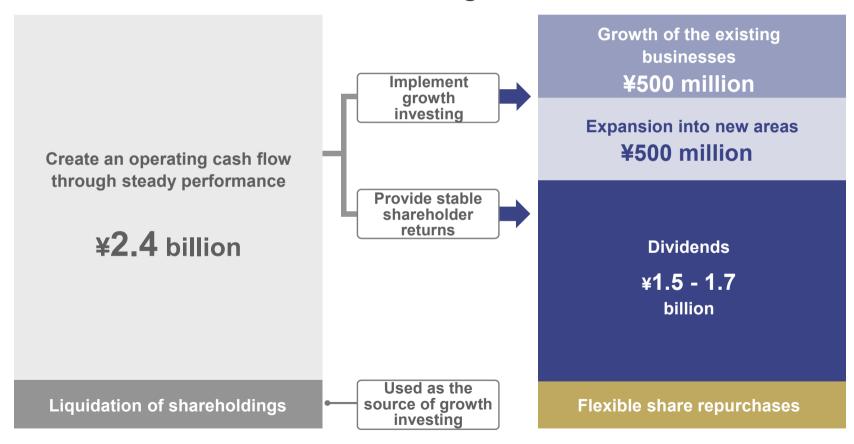


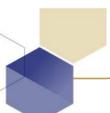


Financial Goal 2

Create an operating cash flow of ¥2.4 billion over three years by ensuring steady performance in order to allocate the cash to growth investing and stable shareholder returns

FY2022 - FY2024 Medium-term Management Plan

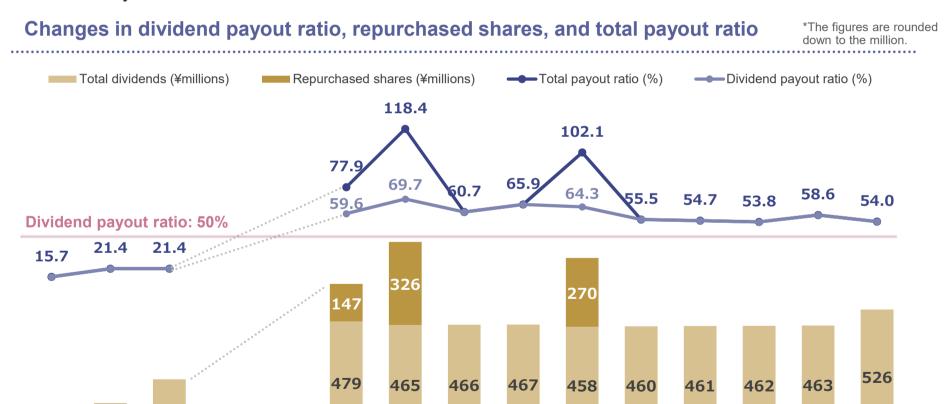




Scheme for Shareholder Returns

Key Principles (FY2022 - FY2024)

- Balance long-term growth and financial health
- Aim for continuous and stable dividends, taking into account all relevant factors, including business results, and retained earnings needed to operate businesses and strengthen our business foundation going forward
- Dividend payout ratio of 50% or higher (avoid cutting DPS as much as possible) + Flexible acquisition of treasury shares



FY2012

FY2013

FY2014

FY2015

FY2016

FY2017

FY2018

FY2019

FY2020

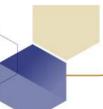
FY2021

252

FY2005

96 FY2003

FY2004



Cautionary Statements about Projections

The materials used in the preparation of forecasts of results and predictions are based upon predicted trends in the industries related to the Company's operations. Accordingly, economic conditions both in Japan and overseas, fluctuations in exchange rates and other factors may influence forecasts of results. The predictions and forecasts made are based upon the information available as of June 2022.

There are a number of factors that cannot be predicted with certainty that may have an influence on these forecasts, including market conditions, competitors' actions, the performance of newly introduced products and services, and the global IT market and related markets. Accordingly, actual results may vary significantly from the forecasts presented in this document.

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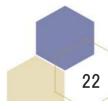
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For Further Information

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Corporate Planning Division

https://www.netjpc.com



Appendix: Company Introduction

History

July 1971
 Establishment of JAPAN PURE CHEMICAL CO.,LTD.

November 1999 Implementation of MBO

December 2002 JASDAQ market listing

March 2004 Listing on TSE Second Section

March 2005 Listing on TSE First Section

February 2019 Establishment of General incorporated foundation, JPC Scholarship Foundation

April 2020 Certification as public interest incorporated foundation, JPC Scholarship Foundation

April 2022
 Move to the Prime market on TSE

Business Summary

- Fine chemical company supplying electronic materials which support development of the electronic components industry
- Top share in the worldwide market by narrowing the business targets to noble metal plating process
- Construct sales and technical support systems that can respond quickly to the rapidly changing industry
- Fabless company that do not require large-scale manufacturing plants
- Provide technology to minimize the amount of noble metals used for connecting electronic components and contribute to effective use of mineral resources