

The background of the slide is a dark blue field filled with a complex, glowing pattern of particles and lines. The particles are arranged in a way that suggests a wave or a field of energy, with some areas being more densely packed and brighter than others. The overall effect is a sense of dynamic movement and technological sophistication.

World-class manufacturing

Company Profile

We have led the industry of lead terminals for aluminum electrolytic capacitors and components of submarine optical communication components

Kohoku Kogyo Co., Ltd.
Nov. 2022

About Us

Company Name	KOHOKU KOGYO Co., Ltd.
Head Office	1623 Takatsuki, Takatsuki Town, Nagahama City, Shiga Prefecture
representative	President & CEO Futoshi Ishii
Established	August 1959
Capital	350 million yen
Business contents	<ul style="list-style-type: none">■ Manufacture and sale of lead terminals for aluminum electrolytic capacitors■ Manufacture and sale of optical components and devices for fiber optic communication networks
Consolidated subsidiaries	5 companies (Overseas)
Number of Employees	Consolidated: 1,670

*As of the end of June 2022

Subsidiaries and Offices

Worldwide operations from 7 locations in 5 countries

Manufacturing / Sales (established in 2002)

Suzhou Kohoku Opto-Electronics Co.,Ltd.

Lead Terminal Business

Optical Components & Devices Business

Manufacturing / Sales (established in 2000)

Dongguan Kohoku Electronics Co.,Ltd.

Lead Terminal Business

Manufacturing / Sales (established in 1994)

KOHOKU ELECTRONICS (M)SDN. BHD.

Lead Terminal Business

Manufacturing (acquired in 2015)

KOHOKU LANKA (PVT) LTD.

Optical Components & Devices Business

Sales (established in 1987)

KOHOKU ELECTRONICS(S) PTE. LTD.

Lead Terminal Business

Optical Components & Devices Business

Kohoku Kogyo Co.,Ltd.

Lead Terminal Business

Optical Components & Devices Business

sales

Tokyo Branch

R&D / Manufacturing / Sales

Headquarters and Main Plant

Management Philosophy

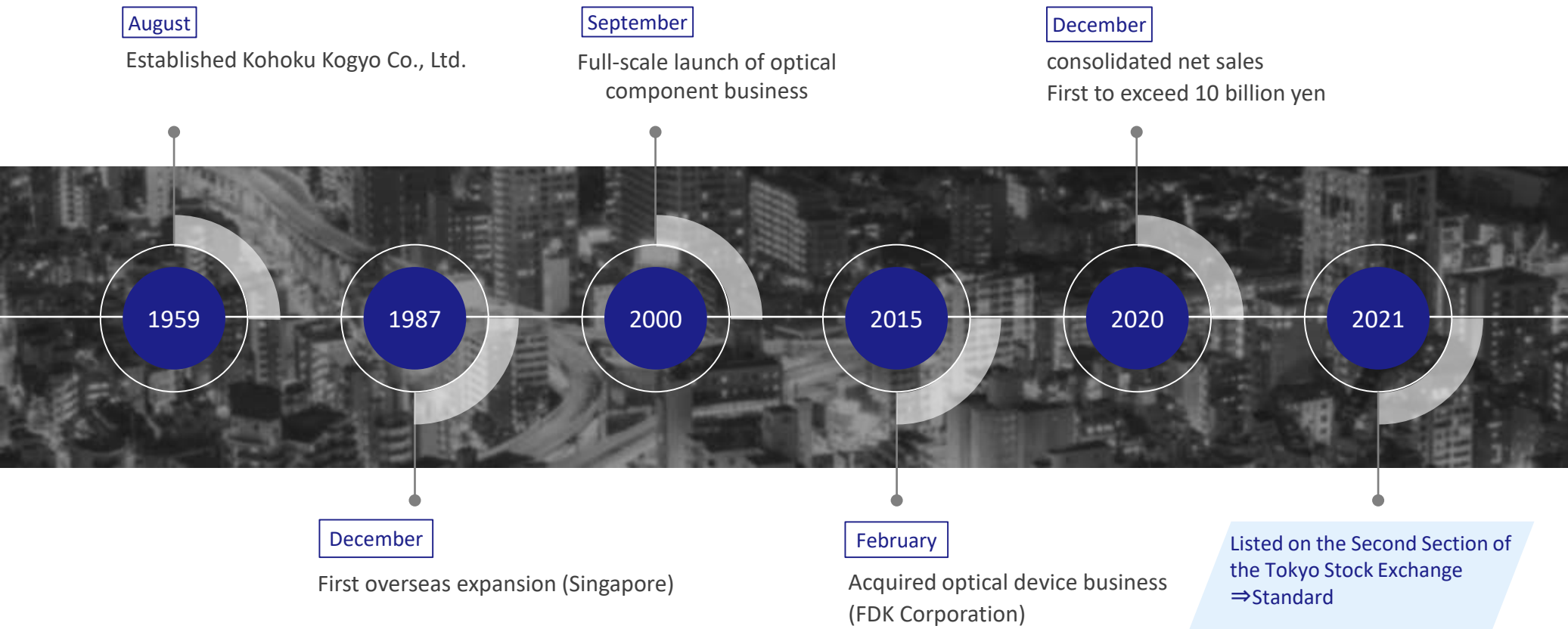
Management Philosophy

Practice all-participating-type management respecting rich originality to aim for an “only-one” company through creation of new values



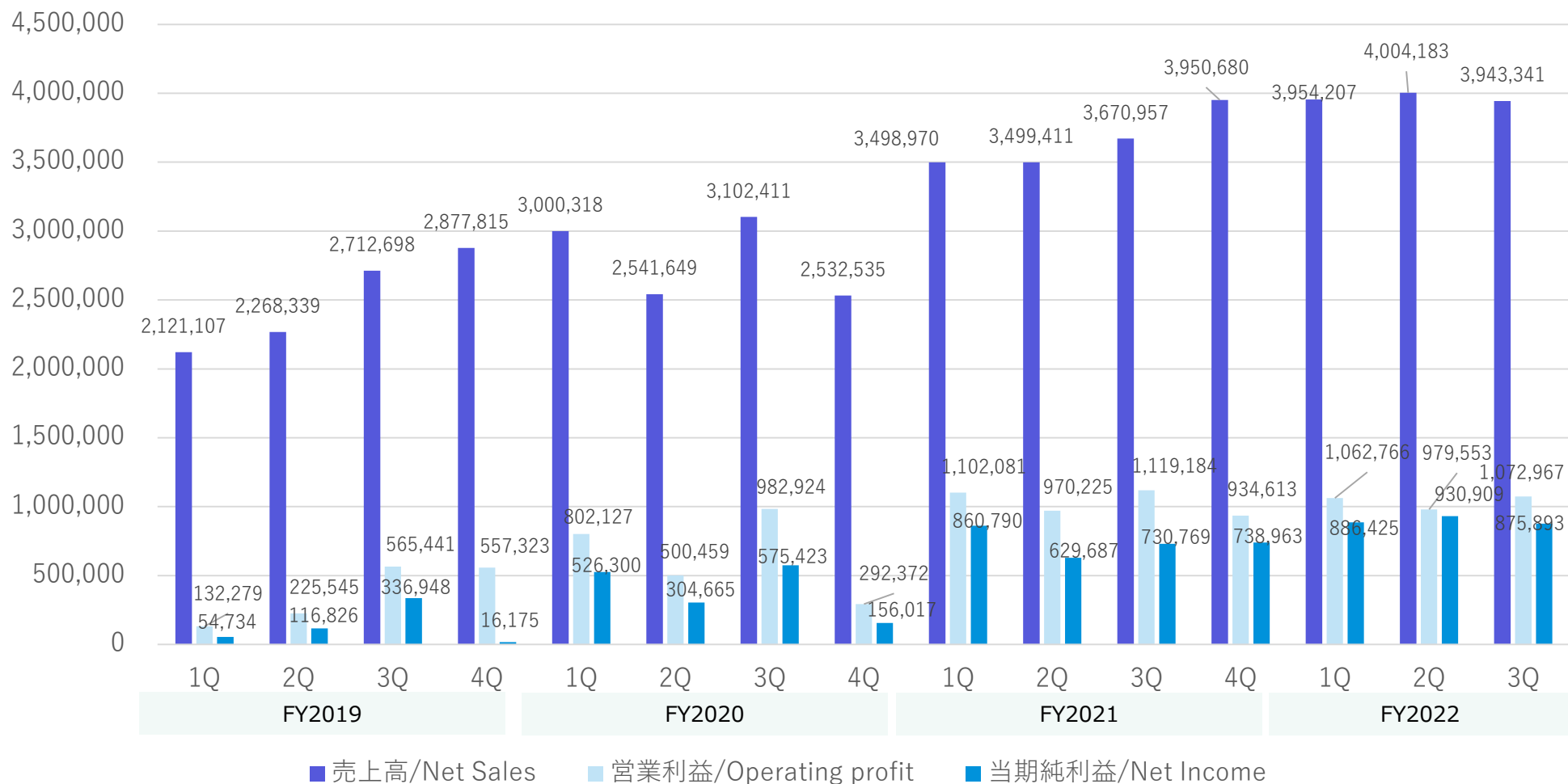
History

Since our establishment in 1959, the company's business foundation has been supported by continuous technological innovation.



Trend of Business Performance

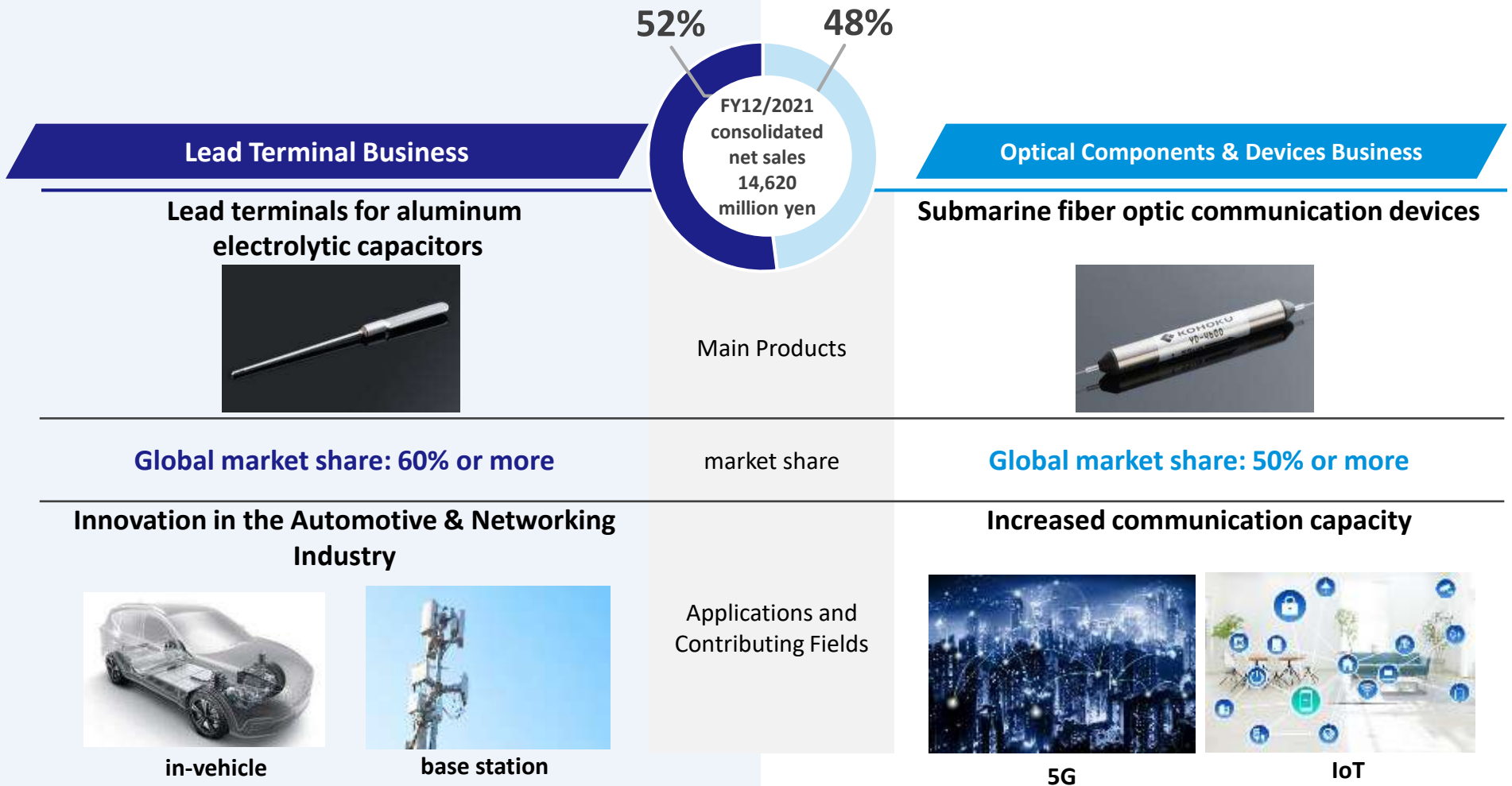
Thousands of Yen



Notice : Figures prior to the fiscal year ended December 31, 2010 are unaudited.

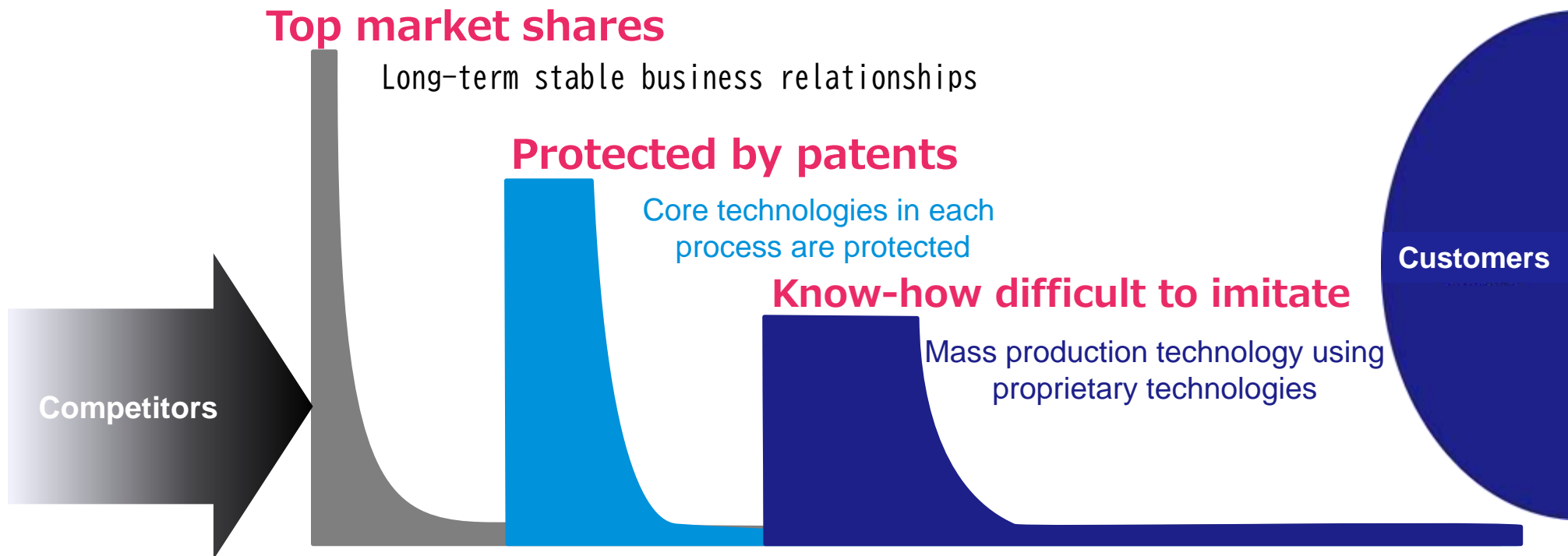
Business contents

World leader in two areas: components for aluminum electrolytic capacitors and submarine optical fiber communications



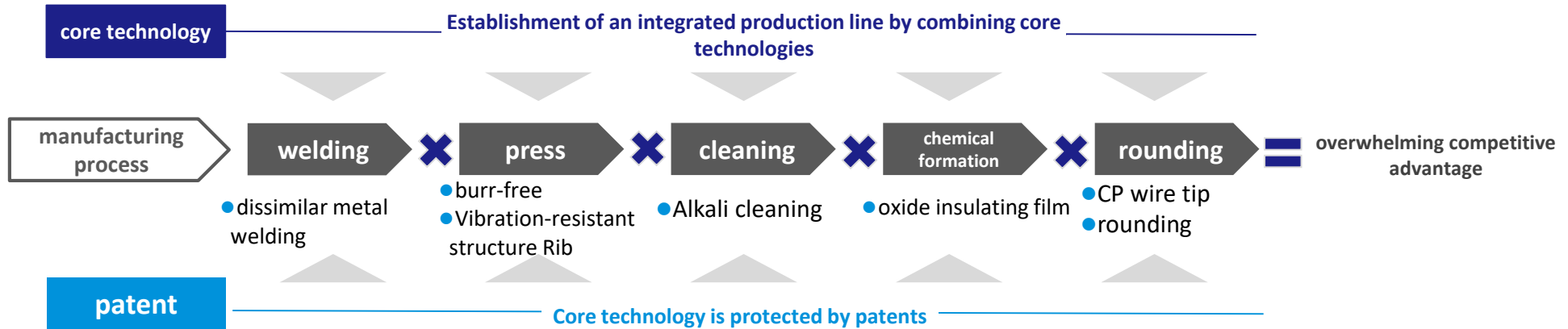
Competitive Advantage

Kohoku has established three barriers to entry around its core technology



Our Strengths and Barriers to Entry

Core technology is preserved by patents, while mass production technology is black boxed (in-house developed manufacturing equipment)

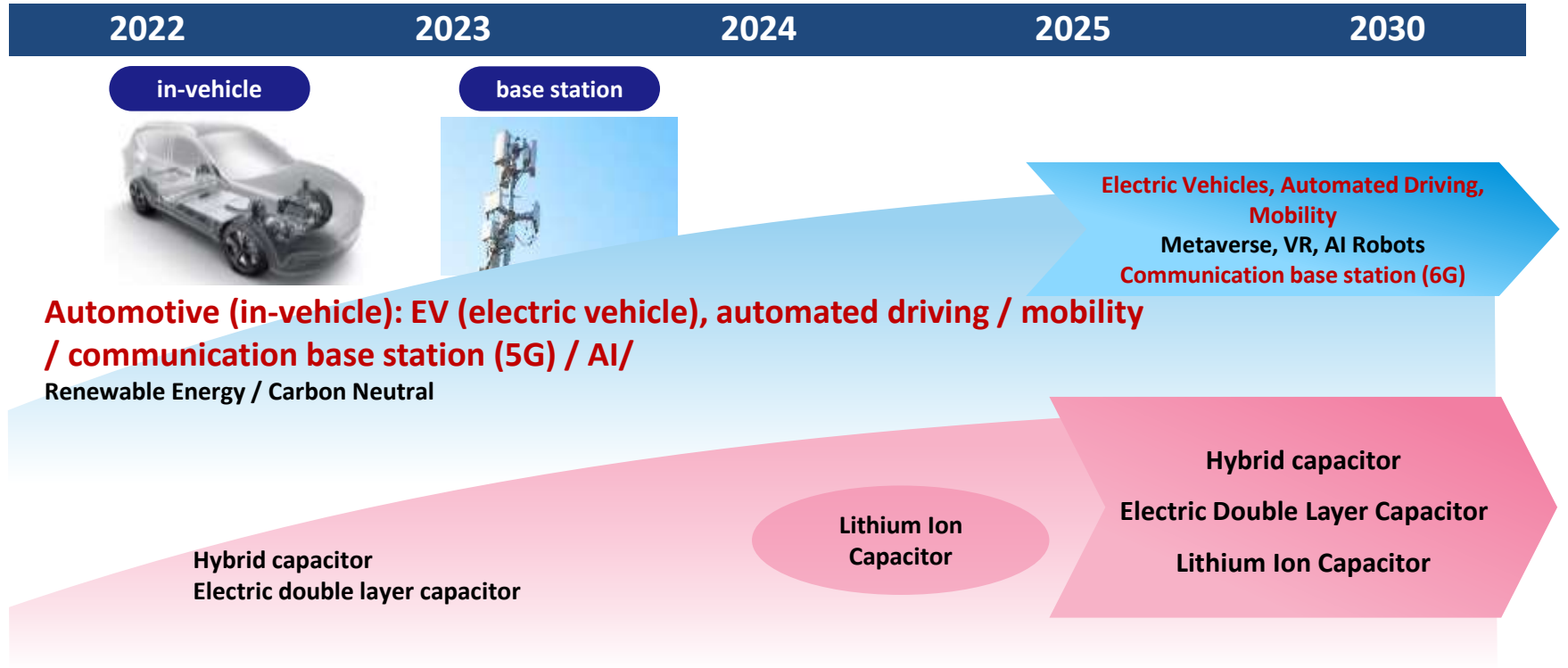


Core Technology Topics

- ☑ Differentiation through in-house developed manufacturing equipment core technology
- ☑ Monthly production volume of mass-produced lead terminals is 4 billion units, equivalent to the length of 3.6 times the Earth or 20 million vehicles.
- ☑ Welding of dissimilar metals
Shape and short-circuit measures
- ☑ Self-developed power source Welding
temperature is 2,000° C, realizing 5 welds per second at high speed
- ☑ Ultra-high speed production 5 lead terminals per second

Growth driver

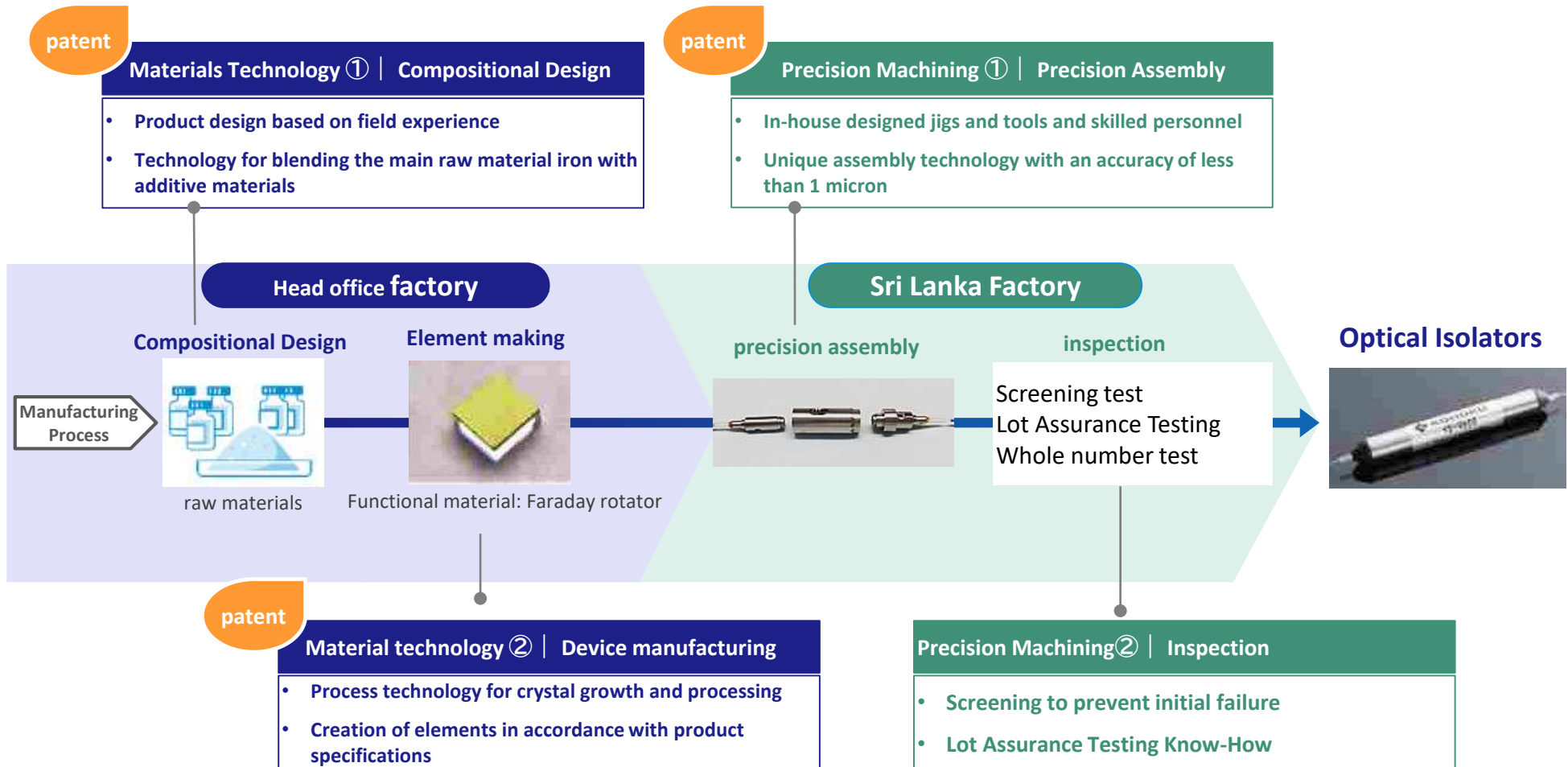
In the automotive and telecommunications markets, where we are focusing our efforts, there is a strong tailwind from the shift to EVs, the spread of 5G, and other factors.



Meeting technological innovation and quality requirements through new product development

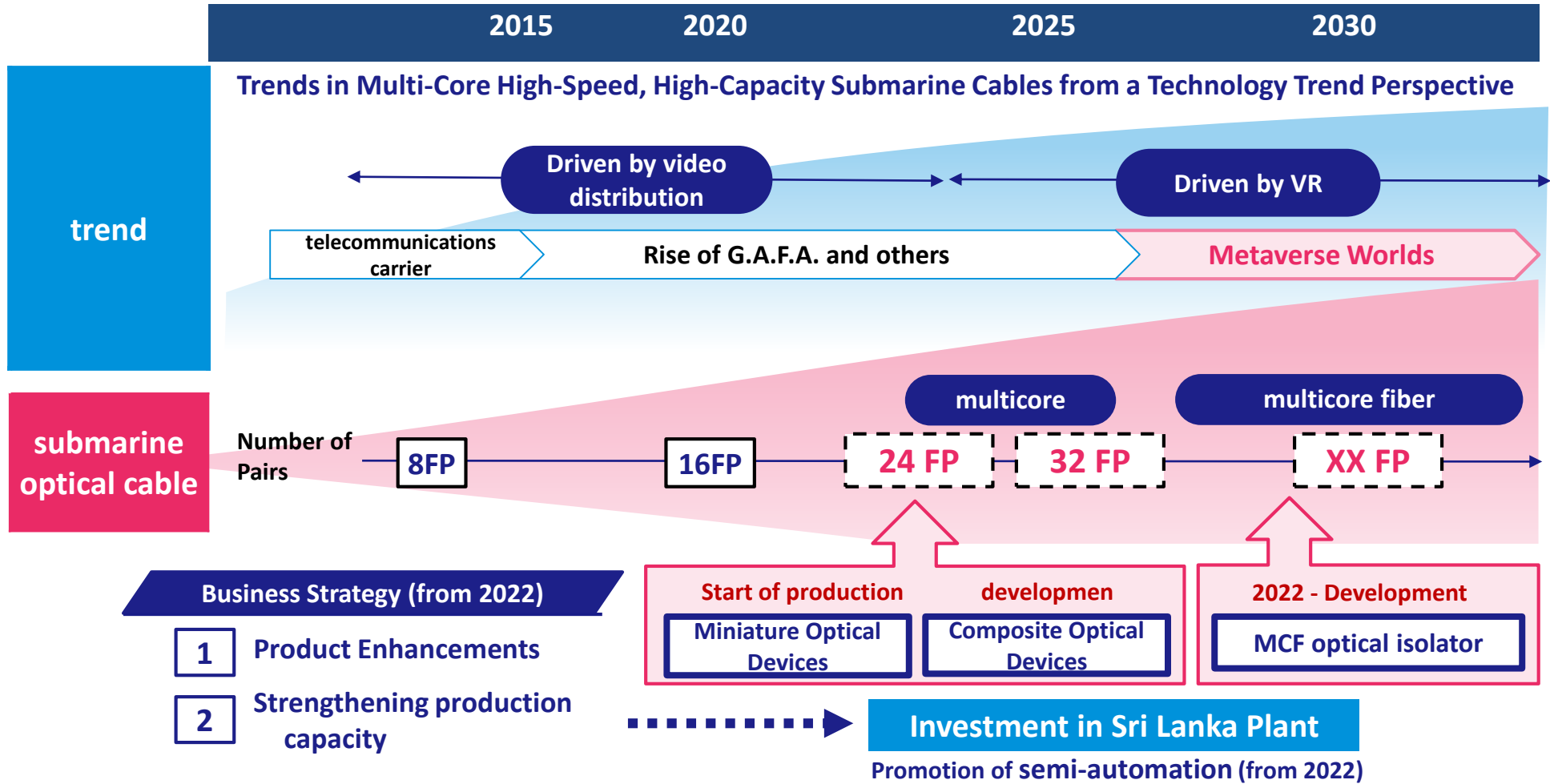
Our Strengths and Barriers to Entry

High reliability spun by our one and only integrated production, patent-backed material technology and precision processing technology



R & D Stories

Product deployment of compact and composite optical devices for multi-core submarine cables



To a new business pillar - Expansion into cutting-edge niche markets

Unlocking the Potential of Quartz and Aiming to Develop New Applications

Quartz glass preform



Slurry casting method
Extremely high degree of freedom of shape

Quartz

Excellent UV transmittance
Other

Application Development

Example of Deployment

Development of quartz molded parts, which had been considered difficult to put to practical use

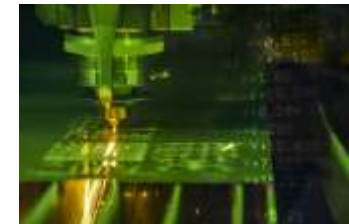
*image.



Semiconductor Equipment



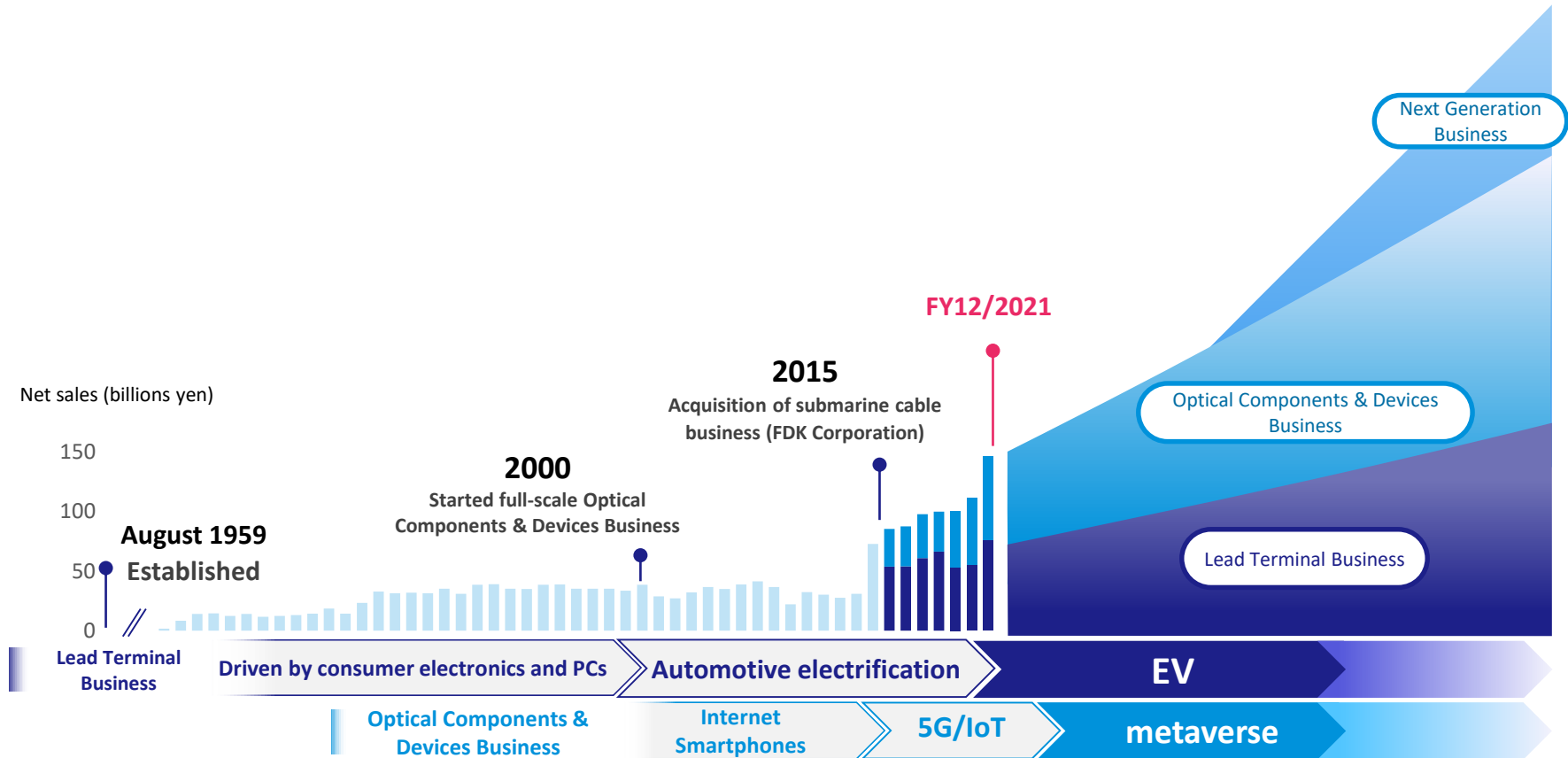
Medical Equipment



Laser Processing

Image of Business Growth

Growth curve while maintaining high profitability, backed by the high potential of the market



Topics - ESG Activities

Through our business activities, we will contribute to efforts to reduce global warming gas emissions, such as the generation of electricity from renewable energy sources, and the conversion of automobiles to electric vehicles, and we will also contribute to the maintenance and development of the optical fiber high-speed, large capacity communications network, which consists of the information and

E

- Introduction of solar power generation, purchase of electricity derived from renewable energy sources



- Support for conservation activities of wetlands (Forest of Yamakado Water Source north of Lake Biwa)



- Received the highest rating (3 stars) in the "Shiga Biodiversity Action Certification Program"

S

- Support for agricultural high schools through scholarship programs



G

- Strengthening of compliance education and training



This document contains our current plans and forecasts. Such future plans and forecasts are based on the information available to us and our plans and forecasts. Actual results may differ from these plans and forecasts due to various conditions and factors. This material is not a commitment or guarantee of its realization.

IR Team, Kohoku Kogyo Co., Ltd.

E-mail: ir@kohokukogyo.co.jp

Phone: +81-749-85-3211 FAX: +81-749-85-3217