Corporate Governance

Financial and Corporate Information

Strategy for Next-Generation Technologies in the Transforming Automotive Industry

Structural changes in the automotive industry and impact on coatings

Unprecedented transformation taking place in the automotive industry

The automotive industry is undergoing the biggest change ever since its commencement. This change has created numerous business opportunities and prompted paint manufacturers including ourselves to revisit their conventional products, application processes, and supply chains.

Carbon neutrality is one of the biggest themes in the industry. To meet increasingly stringent environmental regulations globally, many automobile manufacturers have prioritized environmental impact reductions, including achieving zero CO₂ emissions, as a key agenda as they look ahead to 2050

Carbon neutrality initiatives of automobile manufacturers are focused mainly on reducing CO₂ emissions from two sources: emissions from manufacturing and other activities within the company (Scope 1 and 2) and emissions across the supply chain outside the control of the company, ranging from material procurement to sales and the disposal of products (Scope 3)

Procuring alternative energy and simplifying manufacturing processes are some of the measures car makers are considering in order to reduce Scope 1 and 2 emissions. In the paint application process, they are looking to shorten the process and use alternative coating technologies to replace current coating application.

To reduce Scope 3 emissions, the automotive industry is economizing and increasing the efficiency of resources by shifting to new energy vehicles (electrification) and promoting car sharing services in order

to reduce CO₂ emissions throughout the whole process of sales, use, and disposal of the vehicles.

In addition, a paradigm shift is occurring in the industry, often represented by Connected, Autonomous, Shared, and Electric (CASE) and Mobility as a Service (MaaS). These shifts are expected to change the structure of the automotive industry demonstrated by new entrants from outside the industry in addition to current major players.

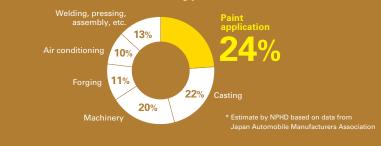
Changes in the paint and coatings spurred by evolution in the automotive industry

The automotive coatings industry is undergoing a significant transformation in line with changes in the automotive industry

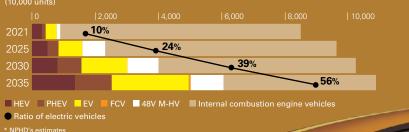
The emergence of new needs are opening up numerous business opportunities. In other words, the future growth of paint manufacturers, including ourselves, will depend on whether we can break away from our conventional thinking and provide new value to our customers.

Carbon neutrality initiatives in the automotive industry are requiring paint manufacturers to speedily respond to such moves. In expanding our business opportunities, it is critical how quickly we serve our customers and help solve the problems they are facing. For instance, revisiting paint production processes and selection of raw materials, as well as developing environmentally friendly coatings which consume less energy in paint

CO2 emissions in the automobile manufacturing process



Automobile sales by powertrain type



Message from Management

Our Business Model

Our Medium- and Long-Term Management Strategy

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Although CASE and MaaS may have only generating new markets for us to increase our sales and market share.

boundaries of their business beyond

transparent for light emitted by sensors, other applications. As the sharing economy users' preferences. The possibilities to be

Global automobile production*

2019

2020

2021

Research and development activities at NPAC, aiming towards a global leading company

Ambiguous (VUCA) environment, NPAC will continue proactive research and development activities for next-generation

Research and development activities for next-generation technologies

improving our existing products. Our goal is have accumulated since our founding to provide greater added value to our

8.895

technology is expected to help automobile (Scope 1 and 2). Although our focus with the multi-functional, as well as in non-automotive applications. We see our decorative film as a technology that will allow us to constantly tackle social issues while meeting customers functional decorative films covered with our activities to customers within Japan or in

Our business is on a global scale. of the key areas we are reinforcing. This





Shinji Takedagawa

Nippon Paint Automotive Coatings Co., Ltd. (NPAC)

Shinji Takedagawa joined the former Nippon Paint Co., Ltd. after graduating from Rikkyo University College of Economics in 1984. After 38 years of experience in sales, planning, and management in the automotive coatings business. He transferred to Nippon Paint Automotive Coatings Co., Ltd. following its launch in 2015. Appointed as Managing Director in 2018 and the Deputy President and Executive Corporate Officer in January ng growth of the company to become a global leading congs industry as the most trusted partner for its customers

Aiming to Improve Profitability and Strengthening Our Global Business Structure

Automotive production is continuing to decline, due to the influence of the pandemic and parts shortages such as semiconductor chips. The paint industry is also impacted by the ongoing price increases and unstable supply of raw materials and logistics bottlenecks.

Actions for improving profitability

We must rise to the challenge of improving profitability in the current market environment with rising prices of raw materials and sluggish car production. In order for us to become a growing company even in such harsh conditions, productivity improvement and optimization are key areas we are working on.

Against the backdrop of the structural changes in our industry, we must break away from the conventional business approaches. In fact, our operational process improvement is in progress across the company, pushing us to think outside the box. For instance, rigorous improvement activities are underway with the goal of streamlining operations. Examples include a bottom-up initiative where we solicit areas for improvements within the company and launch projects to tackle issues, the realignment of production and sales frameworks

from a long-term perspective, and the consolidation of inefficient operations. For issues that require discussions among several divisions over the long term, cross-divisional projects are being formed in which measures for reform are being discussed on a daily basis.

In order to cope with rising raw material prices and manufacturing costs caused by numerous external factors, we are taking actions such as cost reduction activities and implementing an optimal procurement and production system from a global perspective. Our goals are to eliminate concerns about supply challenges and improve profitability. Adjusting selling prices in accordance with market conditions has also been one of our key initiatives.

Strengthening our overseas business infrastructure

In accordance with our strategy to integrate our business entities in Asia, in May 2022, NPAC has completed the integration of business entities in China. Aiming at creating synergies and reinforcing foundation, operations are integrated in China and other Asian countries where we anticipate a rapid growth. As new energy vehicles are increasingly accepted in Asia, we aim to quickly raise our market share by leveraging our extensive distribution

and technical network without missing any opportunities that occur in the transformation of the automotive industry.

In the Americas, management structure was changed in April 2022, instituting the post of Chairman, who is responsible for overseeing operations throughout the Americas, including Mexico and Brazil. These measures have established a framework for creating synergies in the Americas while maintaining autonomous management in each country. In 2023, a new factory is slated for completion in Chattanooga, Tennessee, USA. The new factory, which is designed for energy conservation and advanced automation for next-generation manufacturing, will enable us to expand market share through unified activities throughout the Americas, strengthening existing businesses and shifting to local production of electrodeposition coatings.

NPAC strives to improve our global market presence and expand our businesses. By reinforcing our global network, we seek to be the best partner to our customers operating on a global scale.

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