



Hitachi Introduction

3rd NDS Public Conference

June 8, 2021

Keisuke Ampo
Hitachi, Ltd.

Introduce Hitachi, Ltd.

and Hitachi Astemo, Ltd. that is a subsidiary of Hitachi, Ltd. and
manufacture of automotive components.

1 Corporate Foundation

- Founded in 1910 as a machine repair shop at Kuhara Mining Company in Hitachi City, Ibaraki Prefecture, Japan (Incorporated in 1920)
- Values (Hitachi Founding Spirit): Harmony, Sincerity, Pioneering Spirit
- Mission: Contribute to society through the development of superior, original technology and products



Founder Namihei Odaira



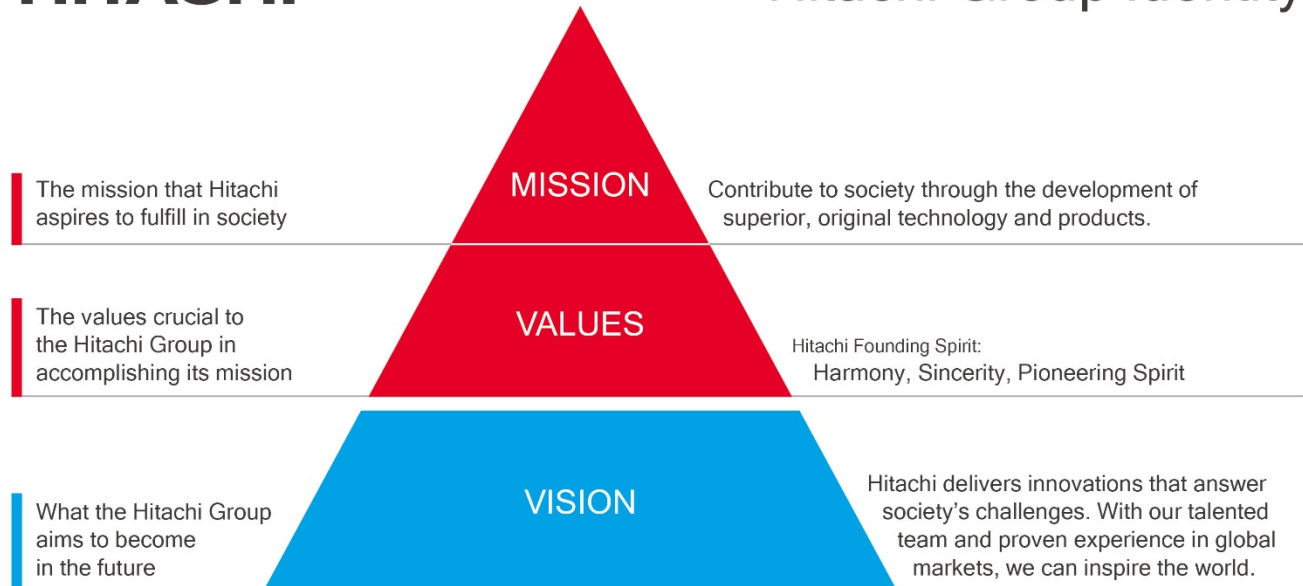
Initial shop in Ibaraki (1910)

2 Hitachi Group Identity

Originally set by Hitachi founder Namihei Odaira, the Mission has been carefully passed on to generations of employees and stakeholders throughout the company's 100-year history. The Values reflect the Hitachi Founding Spirit, which was shaped by the achievements of our company predecessors as they worked hard to fulfill Hitachi's Mission. The Vision has been created based on the Mission and Values. It is an expression of what the Hitachi Group aims to become in the future as it advances to its next stage of growth. The Mission, Values and Vision are made to be shared in a simple concept: Hitachi Group Identity.

HITACHI

Hitachi Group Identity

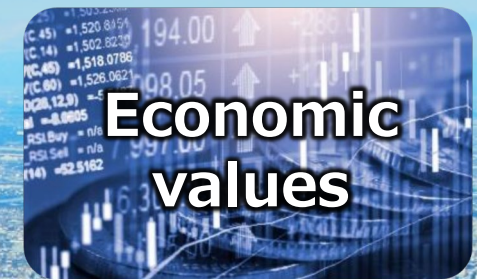


Hitachi's Vision

Hitachi delivers innovations that answer society's challenges. With our talented team and proven experience in global markets, we can inspire the world.

3 Growth through Social Innovation Business

Improving the Quality of Life and
adding values for customers



**Mobility
solution**



**Smart Life
solution**



**Industry
solution**



**Energy
solution**



**IT
solution**



Product

Product

Product

Product

Product

4 Corporate Data

Corporate Name	Hitachi, Ltd.
Founded	1910
Headquarters	6-6, Marunouchi 1-chome, Chiyoda-ku, Tokyo, 100-8280 Japan
Management	Toshiaki Higashihara Representative Executive Officer, President & CEO
Number of consolidated employees	301,056 (As of end of FY2019)
Number of consolidated subsidiaries	814 (As of end of FY2019)
Business contents	Social Innovation Business that combines information technology (IT), operational technology (OT) and products

5 Automotive field history

1930

Hitachi advances into domestic production of automotive electric parts

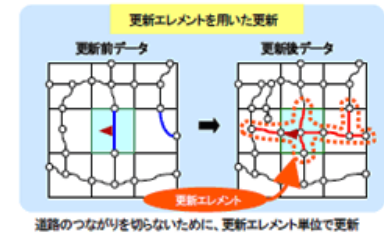
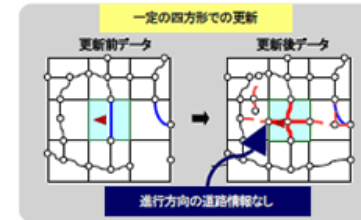
1990s

Develop car navigation system



2000s

Develop the differential map-update method ensuring road-network connection



2009

Hitachi spins off to form Hitachi Automotive Systems

2018

Develop map positioning unit using HD Map



2021

Hitachi Automotive Systems, Keihin, Showa and Nissin Kogyo conclude management integration and establishes Hitachi Astemo



HITACHI
Inspire the Next

Hitachi Astemo Introduction

Astemo

CONFIDENTIAL

Hitachi Astemo was born in January 2021 from the merger of Hitachi Automotive Systems, Keihin, Showa and Nissin Kogyo with the strengths and abilities to make significant contributions to safety, comfort, and environmentally sustainable technologies for mobility.

Hitachi Automotive Systems

KEIHIN

SHOWA

NISSIN

are integrated to be

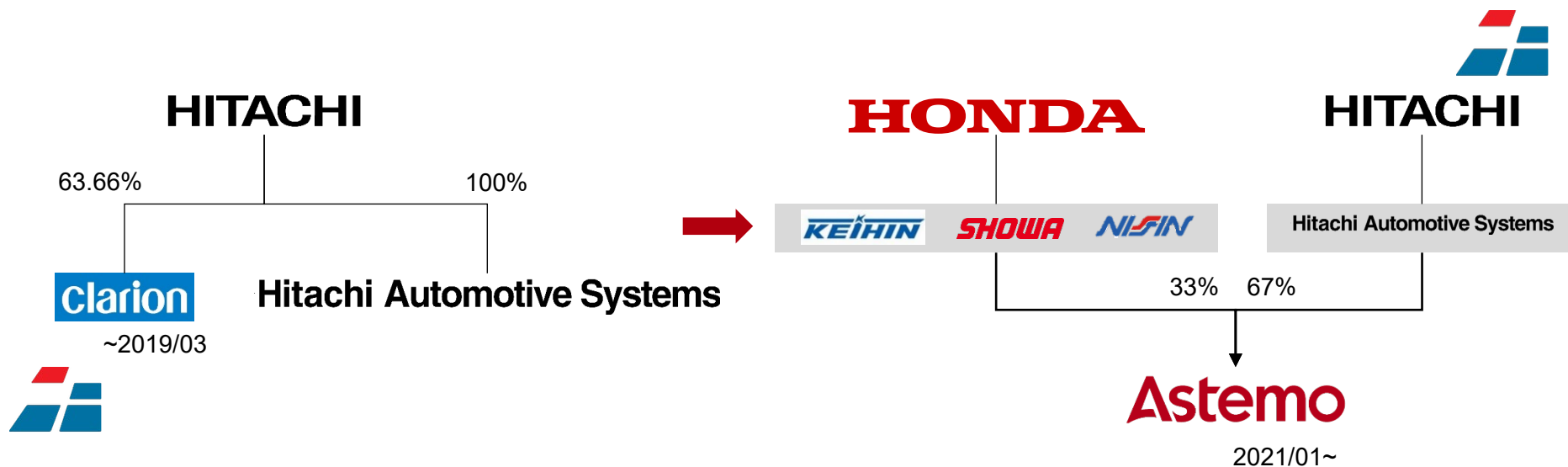
Hitachi Astemo

Advanced Sustainable Technologies for Mobility

Astemo

We will contribute to a sustainable society and improved quality of life by providing world-leading advanced mobility solutions that satisfy our customers

Relationship



About Astemo



Company Name	Hitachi Astemo, Ltd.
Business	Development, manufacture, sales and services of automotive components, transportation related components, industrial machines and systems
Representative	Brice Koch, President & CEO
Established	January 1, 2021
Registered Head Office	2520 Takaba, Hitachinaka-shi, Ibaraki, 312-8503 Japan
Headquarters	Shin-Otemachi Building, 2-1, Otemachi 2-chome, Chiyoda-ku, Tokyo, 100-0004 Japan
Capital	51.5 billion yen
Major shareholders and shareholding ratio	Hitachi, Ltd. 66.6 % Honda Motor Co., Ltd. 33.4 %

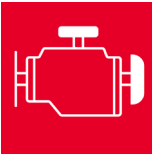
Hitachi Astemo develops a wide range of product brands, focusing on automobiles and motorcycles. Each brand is proof of the technical prowess and trust that we have cultivated over many years.

Hitachi Astemo provides the joy of mobility life with advanced mobility solutions that are environmentally friendly, safe, sustainable and comfortable.

HITACHI				
TOKICO				

Our Business

We will achieve mobility that is safe and comfortable by promoting technological innovation in the CASE area



Powertrain Systems
(Engine/Electric)



Motorcycle Systems



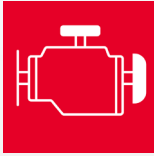
Chassis Systems



Aftermarket, Applied Technologies/
Industrial Equipment, Power products



Autonomous Driving/Advanced Driver Assistance Systems,
Connected Technologies



Powertrain Systems (Engine/Electric)



We create clean engine systems with improved thermal efficiencies that contribute to a reduced environmental burden, as well as electric powertrain systems with high environmental sustainability and driving performance.

Powertrain Systems (Engine/Electric)

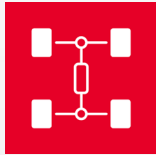
High-efficiency Engine System, Low-emission Powertrain System

High-efficiency Motor, High-output Inverter

Brands

HITACHI

KEIHIN



Chassis Systems



We improve mobility through digitalization and electrification and provide an integrated vehicular motion system that includes brakes, steering, and suspension in pursuit of improved safety and comfort.

Suspension Systems

Electric Power Steering Systems

Brake Systems

Brands

HITACHI

TOKICO



SHOWA

NISSIN



Autonomous Driving/ Advanced Driver Assistance Systems, Connected Technologies



Aiming to create a safe and reliable mobility lifestyle with reduced from traffic accidents, we provide autonomous driving and advanced driving support systems that include sensing technology that detects the surrounding environment and an ECU that instantly determines the driving condition of the vehicle.

External Surrounding Recognition Sensors (Stereo Camera / Radar)

Autonomous Driving ECU

Control Software Update Technology Using OTA

Brands

HITACHI

KEIHIN



Motorcycle Systems



We are driving the evolution of motorcycles through advanced technologies and products, such as electronic fuel injection systems that boast high environmental performance, suspensions that improve steering stability and riding comfort, and brake systems that improve vehicle safety performance.

Front Fork

Rear Cushion

Disc Brake

ABS

Master Cylinder

Electronic Control Unit

Injector

Brands

TOKICO

KEIHIN

SHOWA

NISSIN



Aftermarket, Applied Technologies/ Industrial Equipment, Power Products



Leveraging the technologies cultivated automotive and motorcycle products, we provide superior solutions that contribute to the realization of a comfortable society, such as products for railway vehicles, earthquake countermeasure products for buildings, industrial equipment, and power products.

Aftermarket Products/
Maintenance supplies

Products for Rolling Stock

Anti-seismic Products

Power Products

Brands

HITACHI

TOKICO



HÜCO



KEIHIN

SHOWA

NISIN

HITACHI
Inspire the Next 