



## Company introduction

# 1. Overview

Company	<b>NEVHA Corporation</b>
Address	100-11 Machiyabara, Kamekubi-cho, Toyota, Aichi Japan
Establish	2018/April
Investment	HTC: 50%, Adler Pelzer Group: 50%
Member	6 (4 from HTC, 2 from APG)
content	Analysis / development of NV for interior and exterior products of NEV

## <Parent company overview>

	<b>Hayashi telempu</b>	<b>Adler Pelzer Group</b>
Business	Development, design, manufacture and sale of automobile interior and exterior parts	Development, design, manufacture and sale of automobile interior and exterior parts
Main production	Floor carpet, Floor insulator, trunk trim, etc	Floor carpet, NV package, dash inner/outer, Headliner, Trunk trim,
Sales mount	242 billion yen(2021/12)	155 billion yen(2020/12)
Employee	3,761(2021/12)	About 13,000(2021/09)
Customer	Japan, US, Europe, China	Europe, Japan, US, Asia
R&D	Japan, US, China, Thai	EU, China, US and so (total 13)

## Board of Directors

### HTC Members

**Seiji Matsumoto**  
Deputy Representative\*

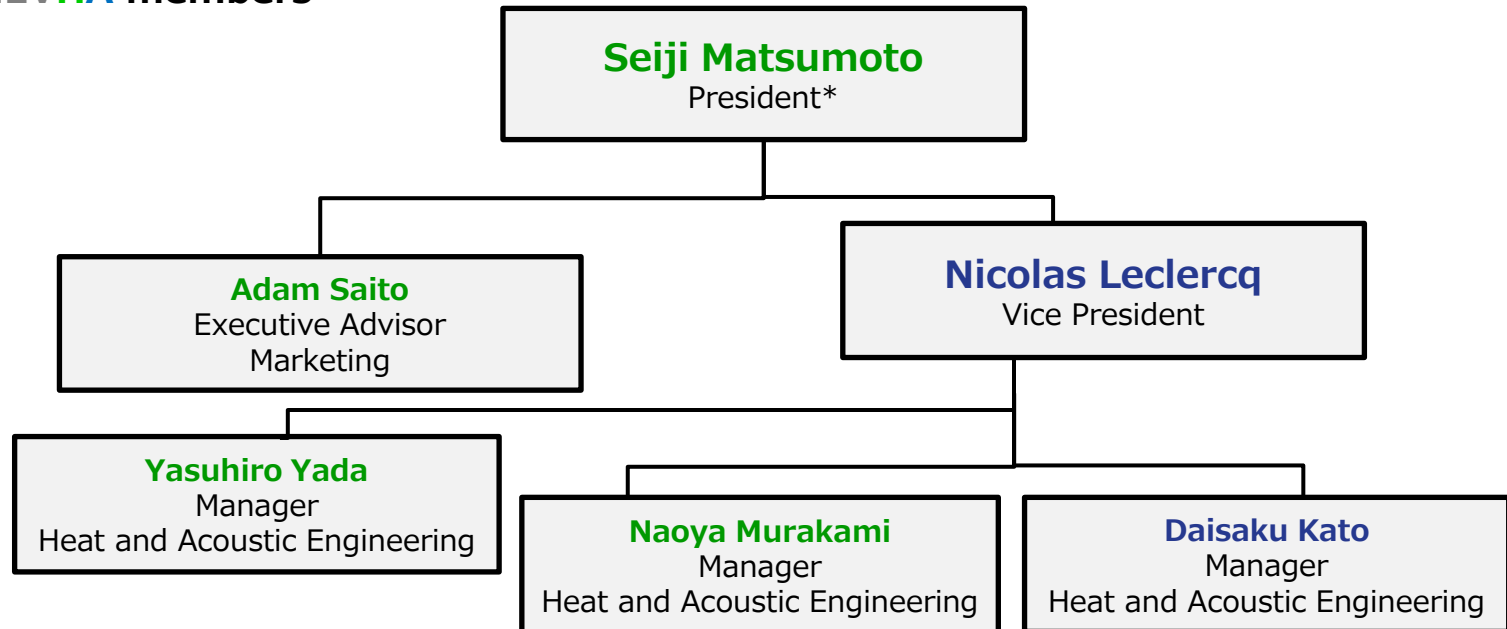
**Yasuhiro Yada**  
Board Member

### APG Members

**Nicolas Leclercq**  
Representative\*

**Lino Mondino**  
Board Member

## NEVHA members



(\*) Alternating every 2 years

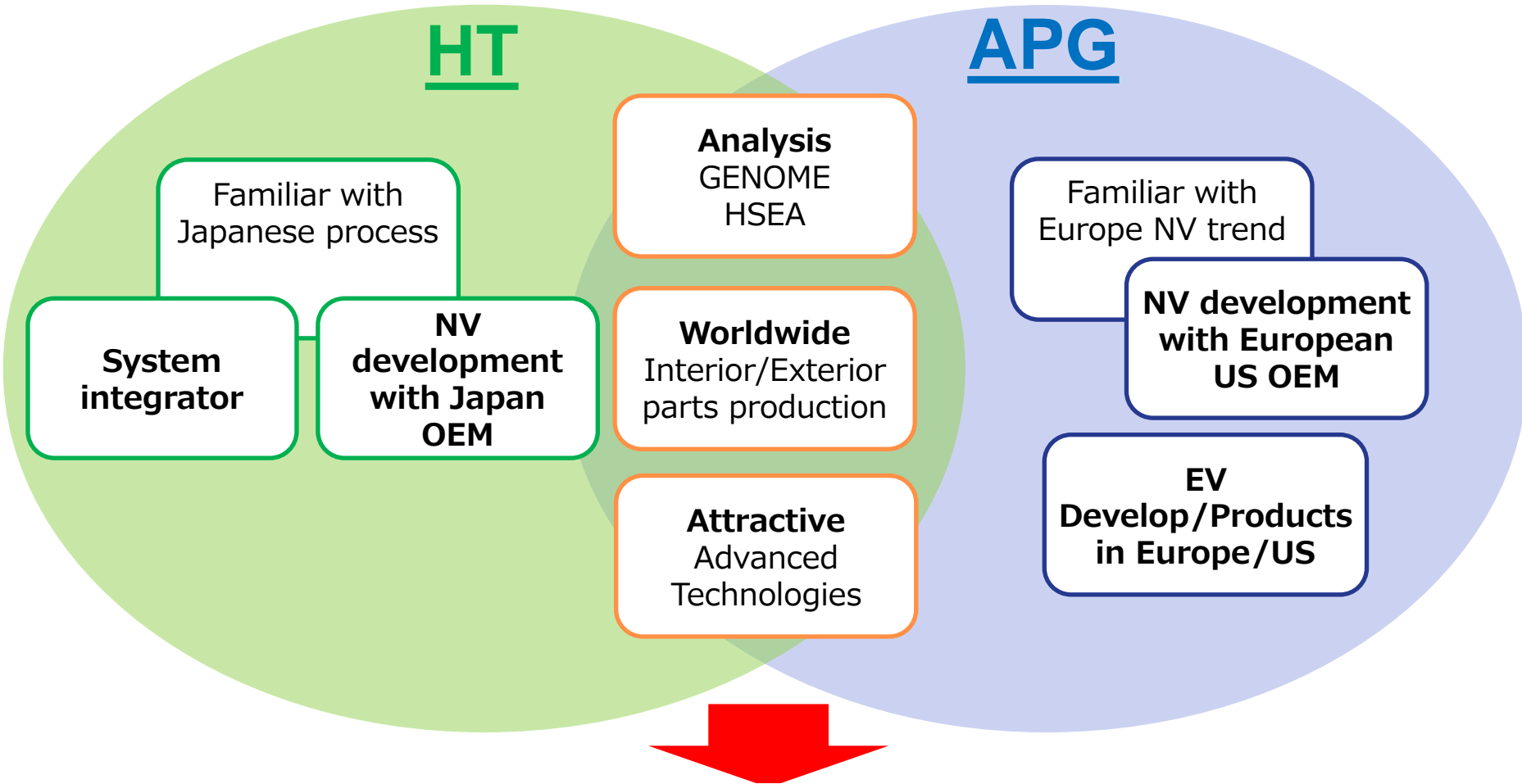
## 2. Policy

- Become the NV Research & Engineering leader for New Energy Vehicles using the most advanced technologies and competences to assist customers in the development of the next generation of concepts and vehicles.
- Harmonize the technology of parent companies and have higher technical / product capabilities and boost competitive advantage.
- Effectively utilize the resources of parent companies, to achieve synergistic effect.

## 3. Scope

- Be entrusted studies, testing & analysis and full NV packages developments from customers.
- Be assigned the internal development of advanced NV testing & analysis technology aimed at NEV applications.
- Support and assist internal technologies enhancement and developments.

## 4. Effect of technical fusion



**Timely Proposals satisfying all customer needs**

## 4. Effect of technical fusion

**(APG experience over 40 BEV programs)**

- **26** projects with specific solutions for BEV needs developed
  - **21** projects in development
  - All experience and expertise made in our R&D centers USA, Europe and China bundled in 
- 



## References

## Tesla Models S, X, 3

BMW i3, i8

VW E-Golf, E-Up,

Karma Revero

Faraday FF91

## NIO ES6 & ES8

BYD, Denza

## Chagan Benben EV

## Buick Verano-I

CHJ M01

### Porsche Mission E, Grand Turismo

VW new MEB platform

Audi Etron

## Scania E-Bus

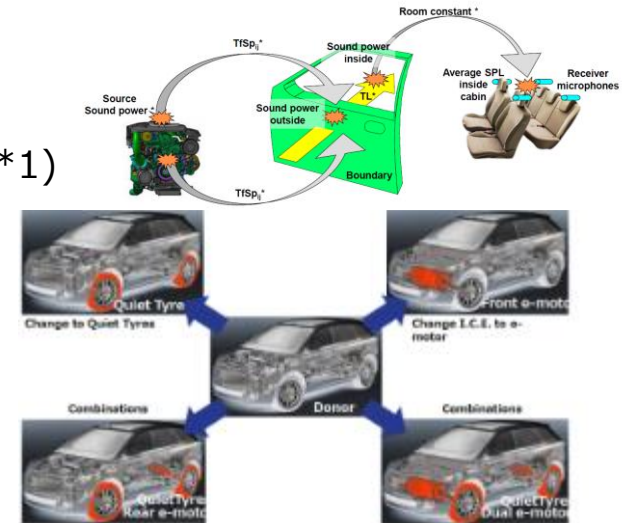
Adler Pelzer Group



## 5. Output

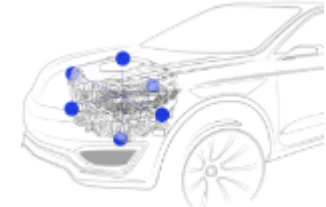
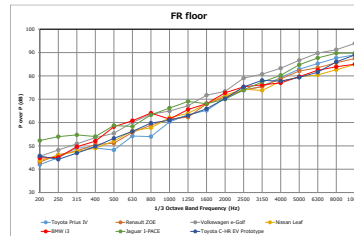
### ① Advanced NV evaluation & analysis

- System & sound source contribution analysis with DNA(\*1)
- \* 1 Acoustic Diagnostic Network Algorithms
- Impact prediction  
due to sound source / structural change with Morphing
- NV package optimization



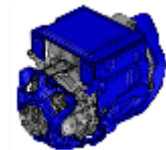
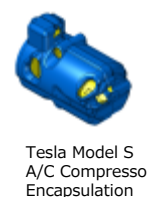
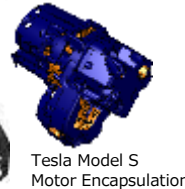
### ② BMC data utilization

Comparison with European / North American / Chinese car data  
by standardizing measurement method



### ③ NV package proposal from development/production

- Tesla Model S
- Tesla Model X
- BMW i8
- BMW i3
- AUDI e-tron
- VW E-Golf, E-Up!
- Daimler EQC
- NIO ES8



Tesla Model S  
NV Package

Tesla Model S  
Motor Encapsulation

Tesla Model S  
A/C Compressor  
Encapsulation

AUDI e-tron  
Motor Encapsulation

NIO ES8  
Motor Encapsulation



## 6. Deliverable

### ① Package Proposal/Analysis for EV development

Proposal from comparison/Analysis



### ② NV package development for EV

NV package proposal (without dynamic measurement)



### ③ NV parts development(dash inner)

Optimization from design/evaluation approach



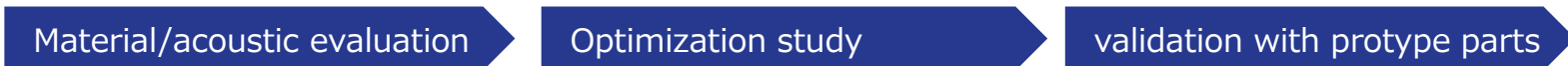
### ④ Motor encapsulation study

Optimization study based on requirements and parts layout



### ⑤ Light weight silencer investigation

Investigation to be candidate material(acoustic/material test, design feasibility)



## Contact for inquiries

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