

KHVATEC

Company Profile

March 2023

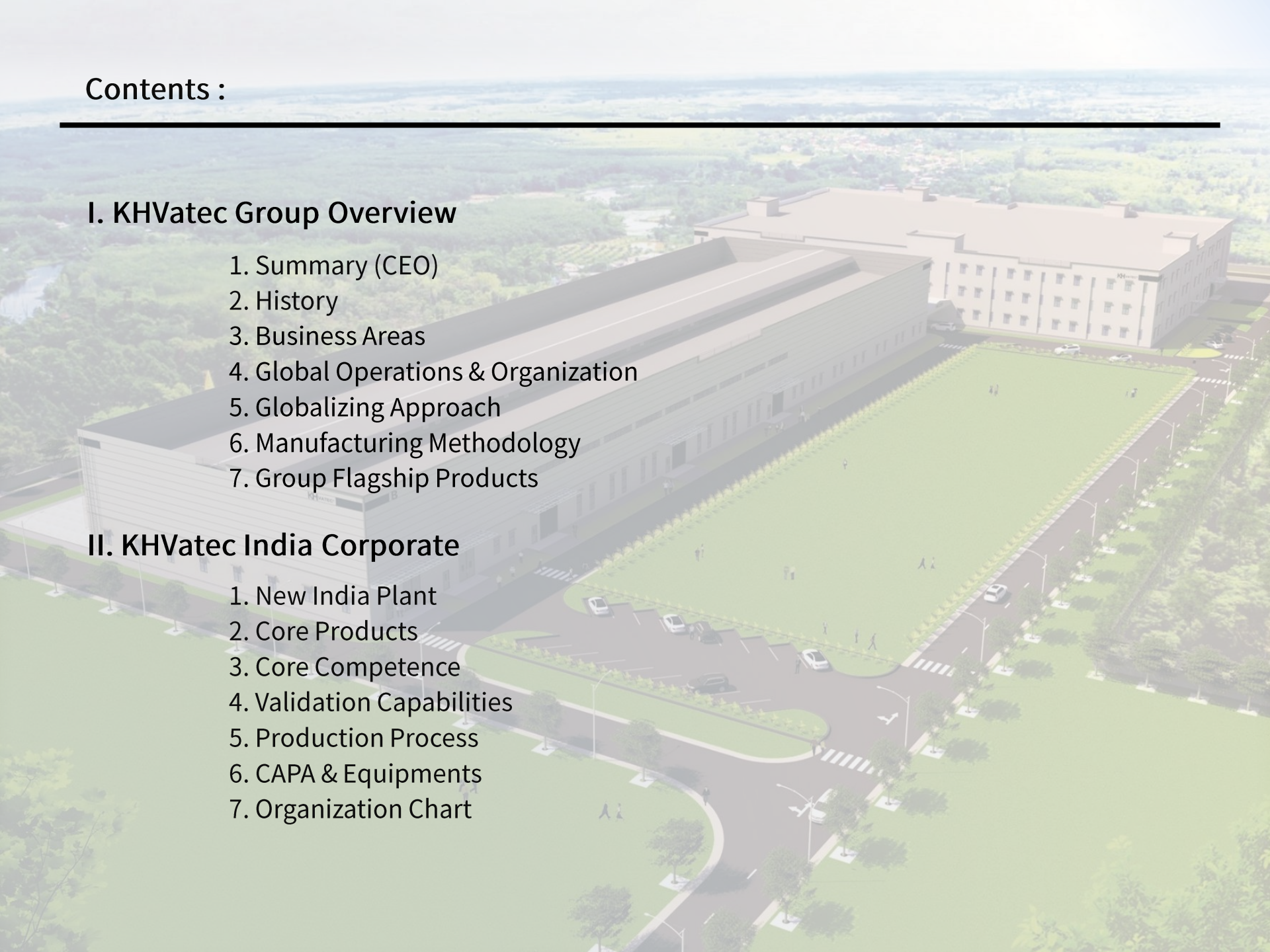
Contents :

I. KHVatec Group Overview

1. Summary (CEO)
2. History
3. Business Areas
4. Global Operations & Organization
5. Globalizing Approach
6. Manufacturing Methodology
7. Group Flagship Products

II. KHVatec India Corporate

1. New India Plant
2. Core Products
3. Core Competence
4. Validation Capabilities
5. Production Process
6. CAPA & Equipments
7. Organization Chart



KHVATEC® is a **South Korean listed global corporation** that manufactures **high-value Info. & Comm. Tech. / Auto / EV components and modules** worldwide.

“ Hello! I'd like to express my sincerest gratitude for your interest and warm support...

...KHVATEC will do its utmost to earn trust from customers, shareholders and employees by meeting the rapidly changing needs of the market with vision to offer creative value to customers.

Simultaneously, the company is implementing global, environmentally friendly and ethical management to ensure that the company fulfills its social responsibilities as the world's leading ICT component & module manufacturer within our global community. Thank you. ”

- **Group CEO Kwang-Hee, Nam**

CORE VALUES

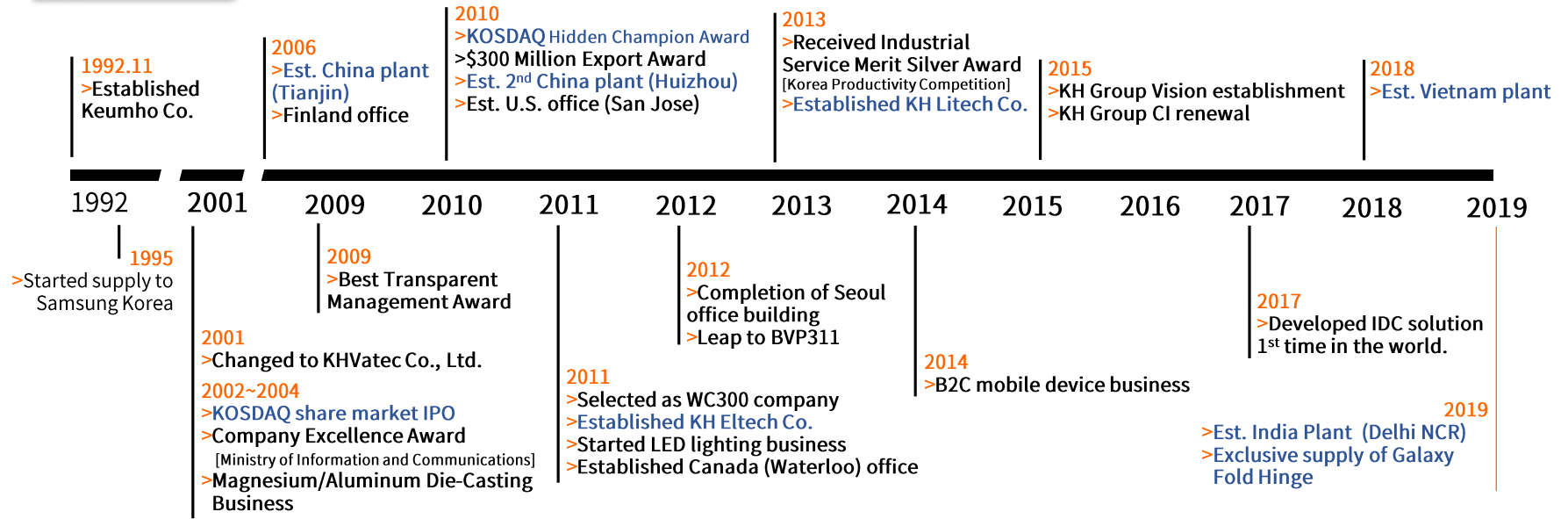
PASSION

CREATIVITY

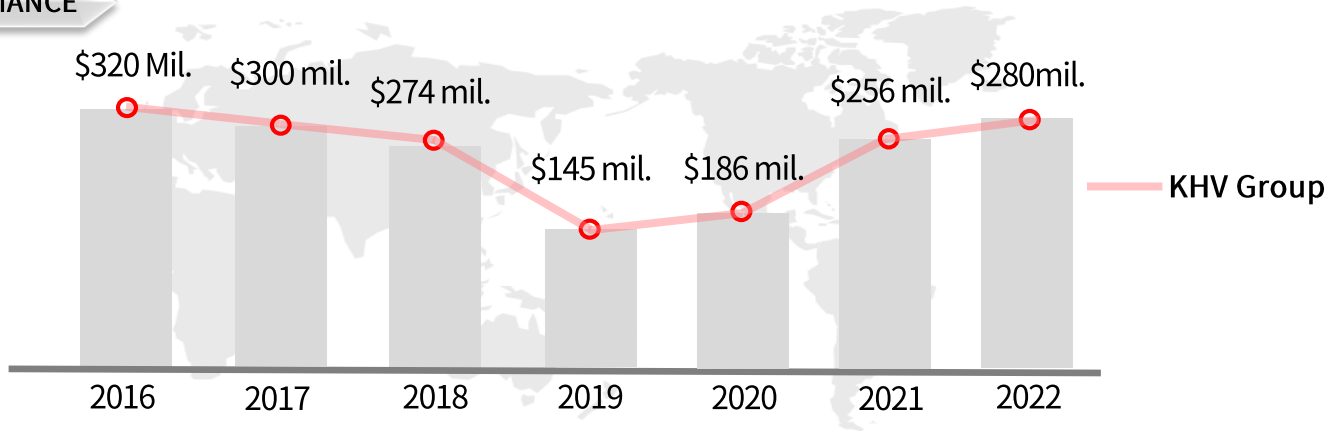
INNOVATION



HISTORY

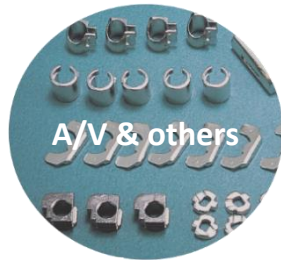


REVENUE PERFORMANCE



Business Areas

Single → Integrated Solutions + New Value Products



A/V & others

'92 ~

- Zinc D/C Parts



PC, PDA, Handset

'02 ~

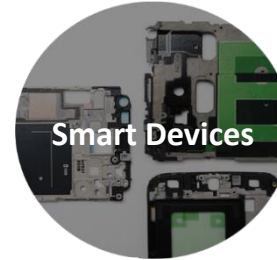
- Other D/C Parts
- Hinge & Slide modules



Tablet PC, Feature Phones

'06 ~

- New Metals
- Non-metallic
- Mechanism modules
- VAAM*



Smart Devices

'10 ~

- Vacuum D/C
- Advanced VAAM
- Specialized VASA**
- FPCB, LED



ICT, Automotive & Others

'14 ~

- ALP, ADC, IDC, Cosmetic Metals
- Auto Parts & Modules
- Mobile EMS
- Mobile Device
- Foldable Phone Hinge

Major Customers

SAMSUNG



LG

amazon.

Google



NEC

HYUNDAI MOBIS

SHARP



oppo

NOKIA
Connecting People

BlackBerry



MOTOROLA

SONY



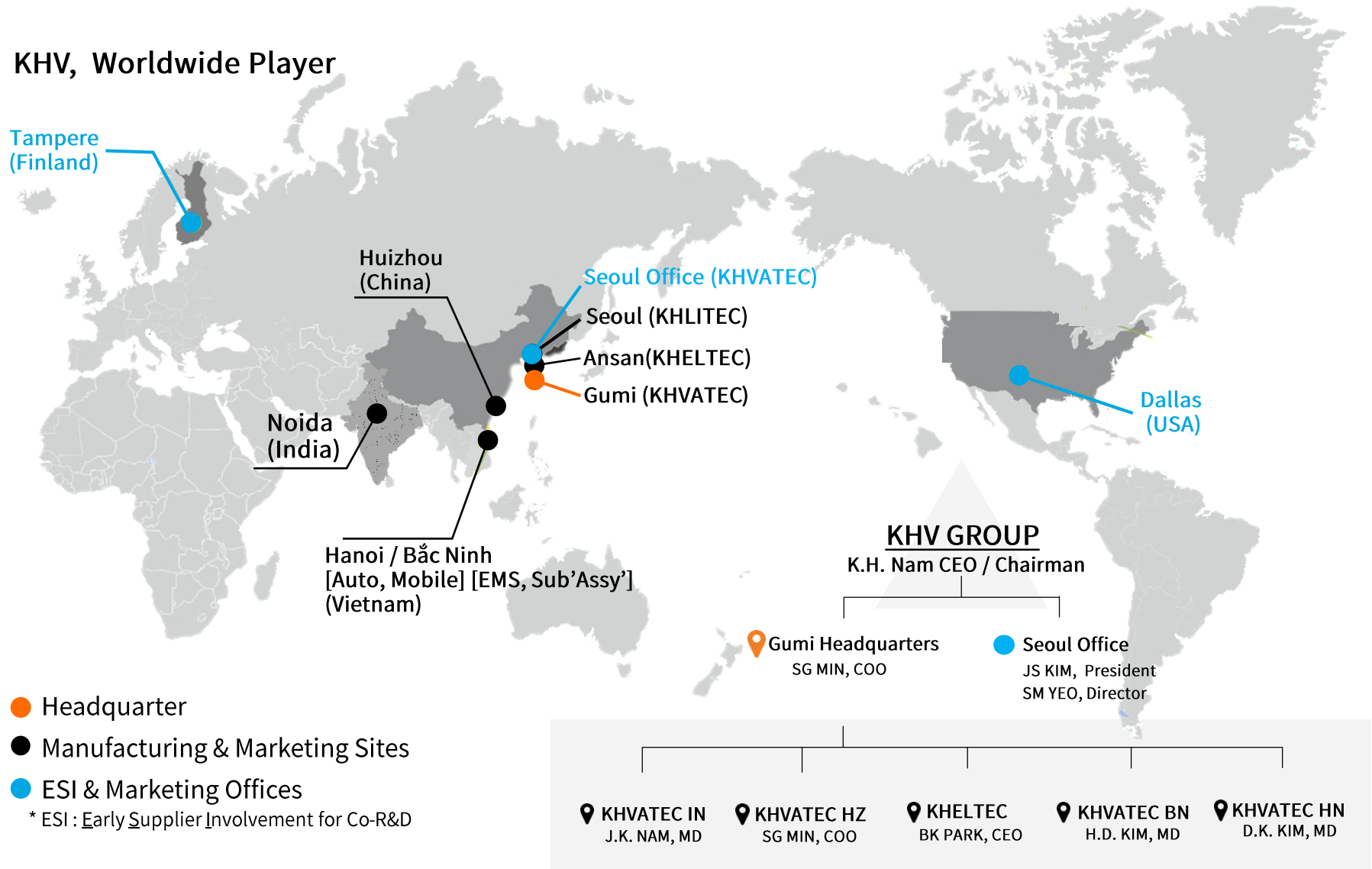
LG Energy Solution

GRUNDIUM

casa systems

eero

KHV, Worldwide Player



I. KHVatec Group Overview

4. Global Operations & Organization

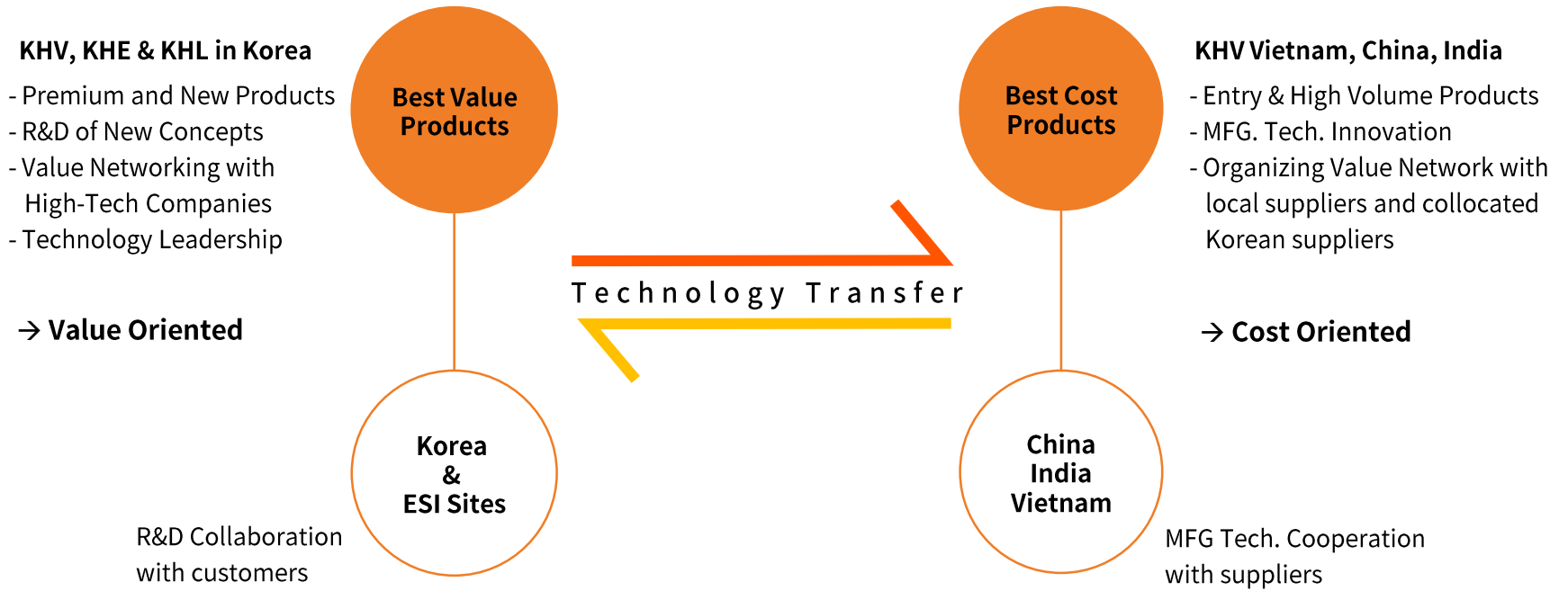
A global parts company that continues to grow through various management innovations, such as continuous Discovery of New Business, Technology Development, and Expansion of Overseas Production facilities for customer-oriented management.



Company Name	KHVATEC CO.,LTD.
CEO	Nam, Kwang Hee
Established on	November 1992 (IPO : May 2002)
Major Product	Small Precision non-ferrous Metal Diecasting, Mechanism Assembly, etc.
Revenue	USD \$290 Million (2022 IFRS Data)
Web	http://www.khvatec.com

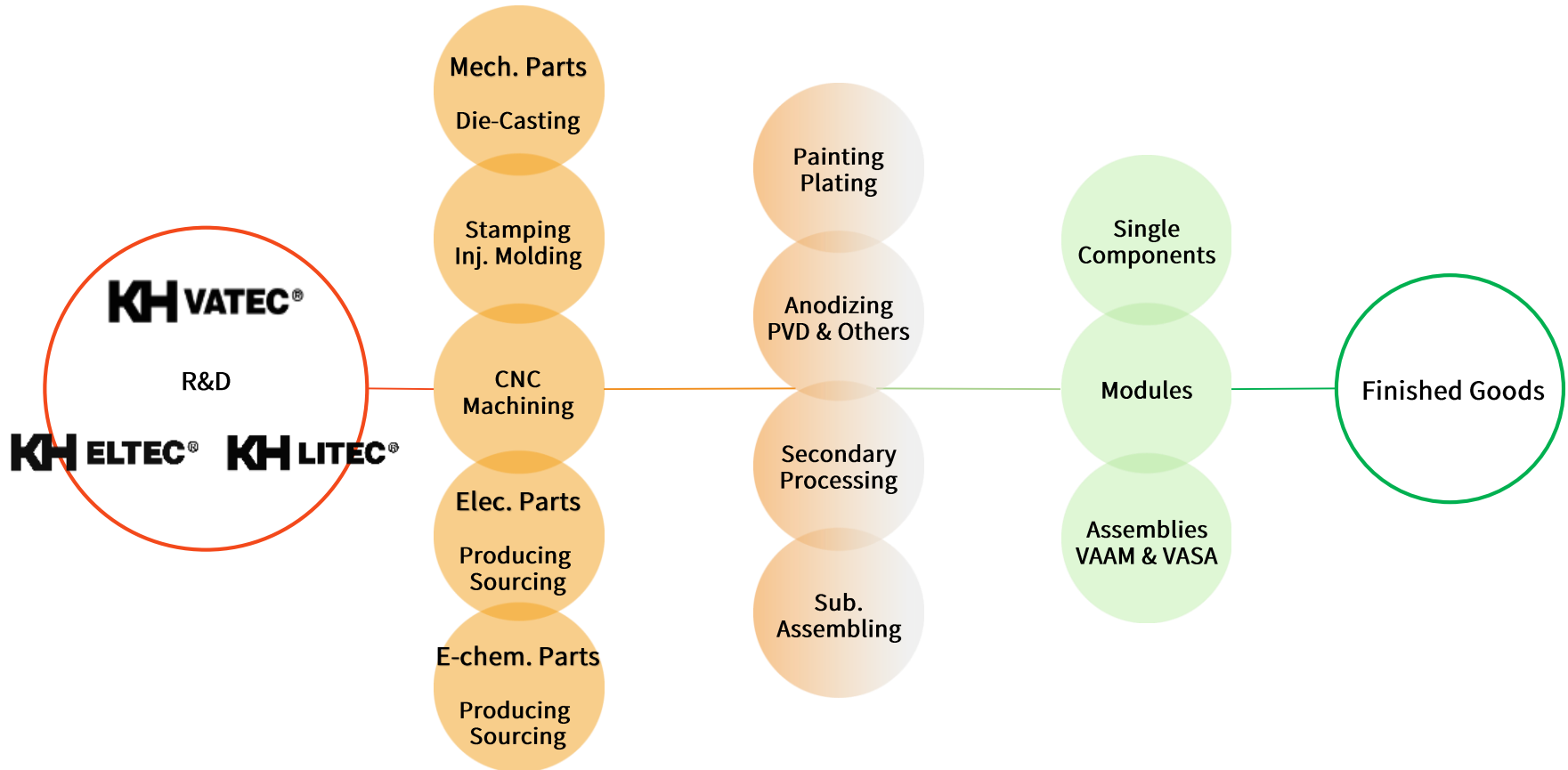
KHV Gumi	KHV Seoul HQ	KHV Huizhou	KHV Hanoi	KHV Hanoi EMS	KHV India
					
<ul style="list-style-type: none"> • Land : 8,131m² • Floor : 5,581m² • Persons : 68 • Est. : 1992' 	<ul style="list-style-type: none"> • Persons : 103 • Est. : 2012' • HQ 	<ul style="list-style-type: none"> • Land: 79,338m² • Floor: 66,111m² • Persons : 1,113 • Est. : 2010' 	<ul style="list-style-type: none"> • Land: 47,481m² • Floor: 28,000m² • Persons : 4,000 • Est. : 2018' 	<ul style="list-style-type: none"> • Land: 35,348m² • Floor: 7,428m² • Persons: 1,900 • Est. : 2018' 	<ul style="list-style-type: none"> • Land: 76,276m² • Floor: 8,812m² • Persons: 1,400 • Est. : 2020'

Globalizing → Characterizing by Region-wise Infrastructures



KHV works together with the Core Values.

Sophisticated Tech. & Control → High Quality & Value Products



I. KHVatec Group Overview

7. KHV Group Flagship Products

Die-casted Products **IT & Telecom**

Foldable Phone Hinge

KH VATEC®

Automotive **EV Battery Pack**

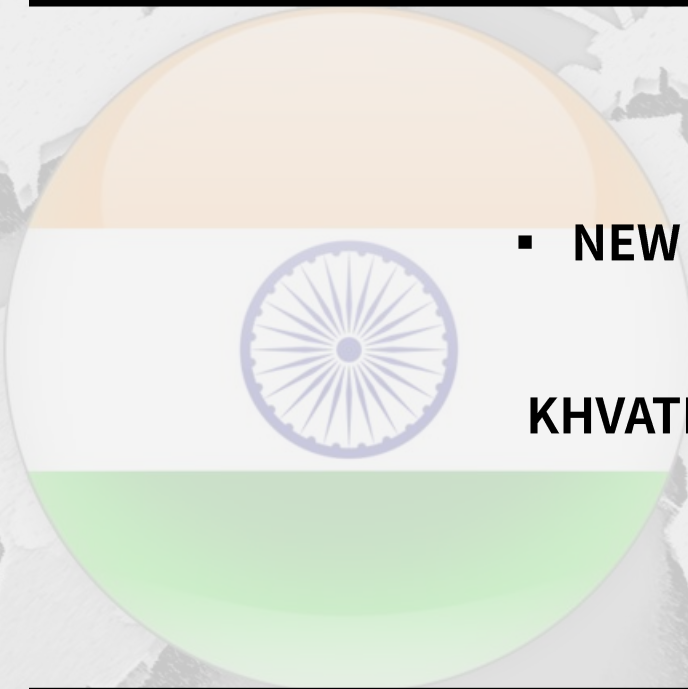
KH VATEC®

Lighting Products **LED Lighting**

KH LITEC®

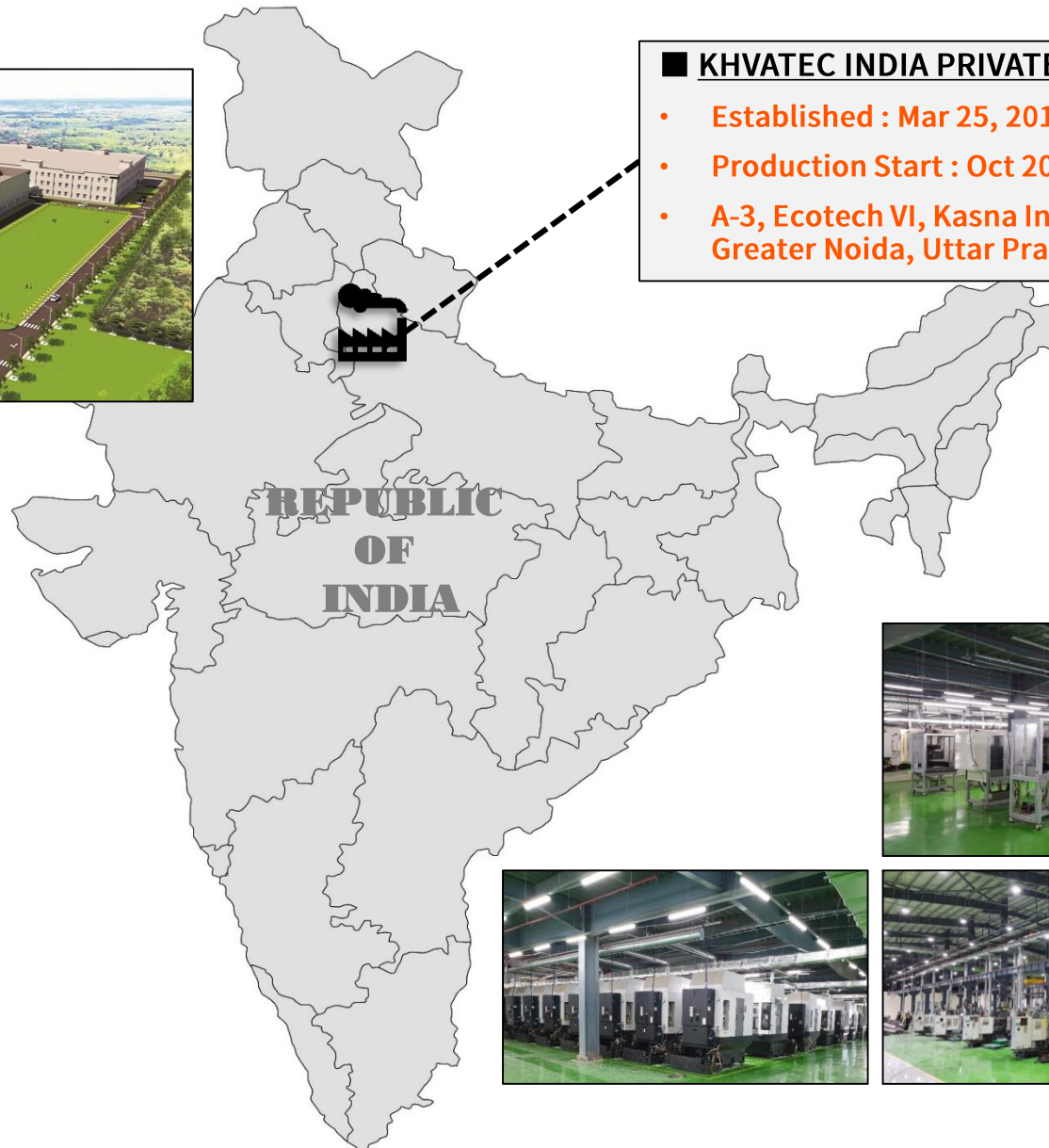
Electronic Parts **FPCB / Connectors**

KH ELTEC®



▪ **NEW EXPANSION** ▪

KHVATEC India Plant

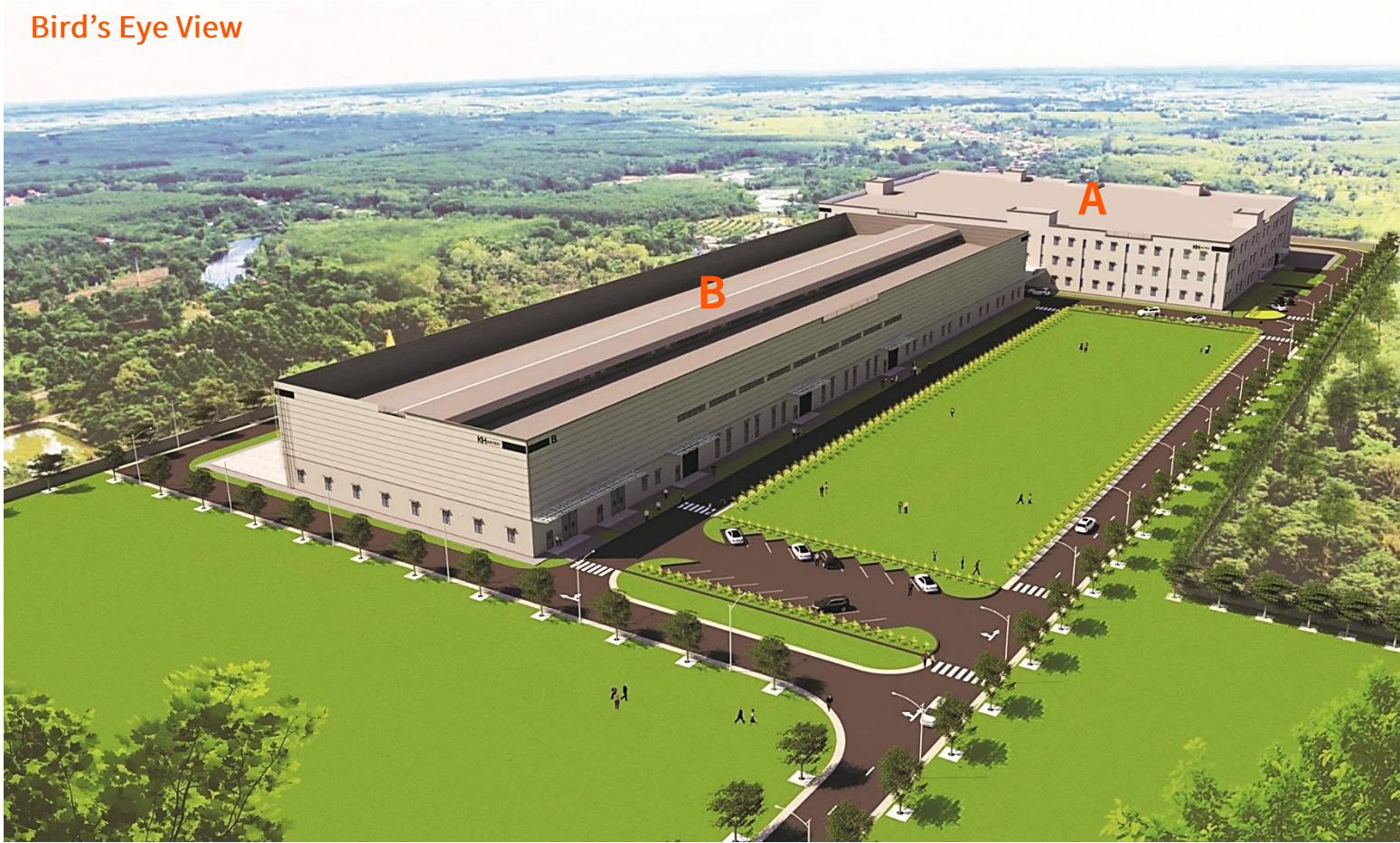


■ **KHVATEC INDIA PRIVATE LIMITED**

- **Established : Mar 25, 2019**
- **Production Start : Oct 2020**
- **A-3, Ecotech VI, Kasna Industrial Area, Greater Noida, Uttar Pradesh, India**



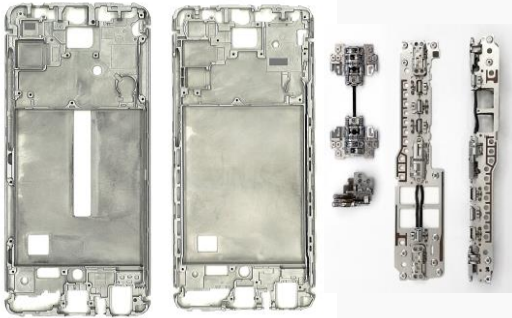
Bird's Eye View



Description	Area (m ²)	Building	Floor	Area(m ²)
Land	76,276	A. CNC (Ground), Offices (1 st), Painting/Assy (2 nd)	3	7,197
		B. Die Casting, Press, Drill/Tap, Surface Treatment	1	7,543

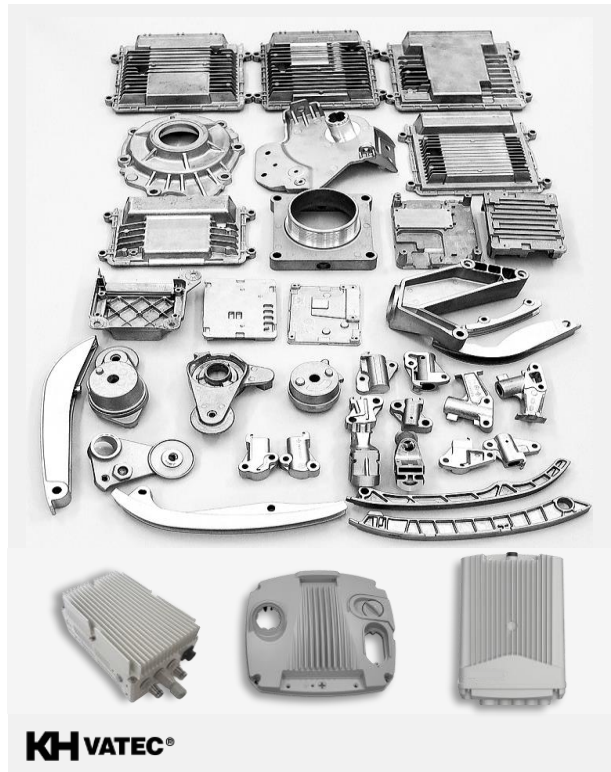
High Precision Machined Products

Smartphone
Mechanical Components



KH VATEC®

Auto / Telecom / Electronics
Mechanical Components



KH VATEC®

EV Battery Pack
Components



KH VATEC®

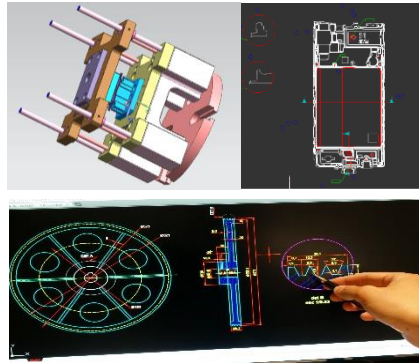
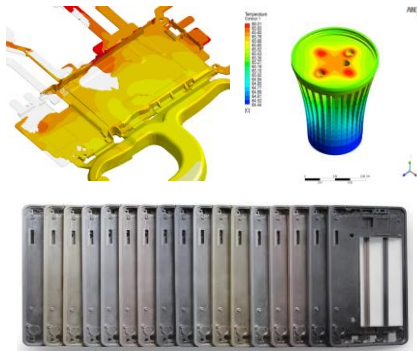
A company capable of realizing customer value through an organic collaboration system from product planning, research and development, quality, manufacturing, and marketing created with **accumulated major customer response experiences.**

Design

Development QC Planning

Manufacturing

Quality Assurance Delivery



- **Optimal Design**
 - Flow Simulation
 - Heat Simulation
 - Cost Efficiency Planning
 - Design Review & Development Proposal
- **Material Dev. Plan**
 - In-house alloy dev.
 - Surface treatment, High Strength Solution

- **Development plan (QCD)**
 - Stage-wise Deliberation
 - Standards establishment
- **Speedy Effective response**
 - Minimize trial and error by simulation and mockup
 - Quality/reliability Eval., establish Mgt. standard
- **Tool Design**
 - Test/Evaluation Jig, Die Casting, Press, CNC Tool/Jig

- **Manufacturing Execution System (MES) & SAP**
 - Real Time Full Process Mgt. & Partner system interfacing
- **Build competent SCM**
 - Plating, painting, deposition, chemical processing, anodizing partner network

- **MP Quality Assurance**
 - **Periodic, Random Measurement**
 - Regular process Patrol to control the yield
 - VOC monitoring and defective product analysis and improvement
- **On-time Delivery**
 - Systematic Logistics Mgt. (MES linked with partners)

Industry Standards Basics in place.

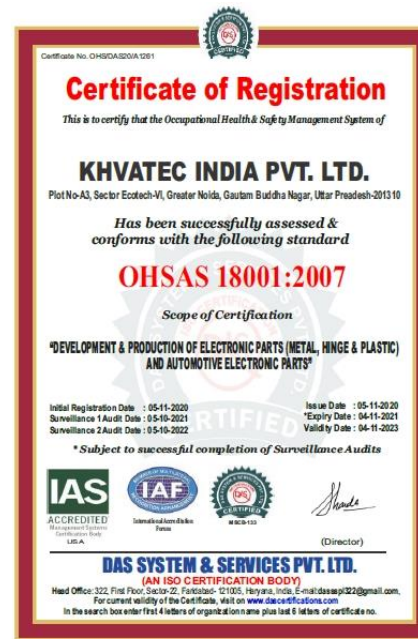
ISO 9001



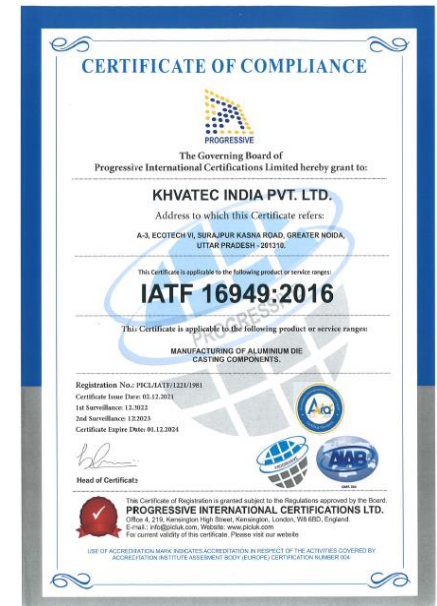
ISO 14001








OHSAS 18001









IATF 16949



High-end Quality Management Equipment

Measurement Equipment				
	CMM (Optical) – 9pcs	Hardness Testing	CMM (Touch) – 1pcs	Dualscope / Conductivity
Reliability Equipment				
	Salt Water Spray Test	Thermal Shock Test	Heat & Humidity Test	Metallographic

<p>Other Equipment</p>	 <p>A white and grey X-ray fluorescence (XRF) spectrometer is positioned on a green desk. A computer monitor displays a software interface, and a keyboard is visible. A blue sign in the foreground reads "XRF(ROHS)".</p>	 <p>A grey and white AMETEK SPECTRO MAXx composition analyzer is shown. It features a sample stage and a detector assembly. A blue sign in the foreground reads "Composition Analyzer [RM Test]".</p>			
<p>Other Equipment</p>	 <p>A white mounting test machine with two control panels and a central mechanism is on a green desk. A blue sign in the foreground reads "MOUNTING TEST".</p>	 <p>A white and grey polisher machine with two circular polishing wheels and a control panel is on a green desk. A blue sign in the foreground reads "POLISHER A WARD".</p>	 <p>A white and grey microcutting machine with a control panel and a cutting mechanism is on a green desk. A blue sign in the foreground reads "MICRO CUTTING".</p>	 <p>A vertical coordinate measuring machine (CMM) with a probe and a control panel is on a green desk. A blue sign in the foreground reads "VMM-02".</p>	 <p>A tall, silver drop test machine with a control panel and a sample stage is on a green desk. A blue sign in the foreground reads "Drop Test".</p>
	<p>Mounting Test</p>	<p>Polisher</p>	<p>Microcutting</p>	<p>CMM</p>	<p>Drop Test</p>



Diecasting



Trimming



De-burring / Heat Press



Inspection

Continuous Quality Management
EVERY PROCESS :
IQC - PQC - OQC



CNC Machining



Painting



Passivation (Plating)

■ Current Capacity : 4,500,000 Bracket Plate/Month

Process	Machines	Total	Brand	Remark (UPH)
Die-Casting	9x 125Ton	24 EA	TOYO M&M (Japan)	330 EA/Machine
	11x 250Ton			
	4x 350Ton			
Press	31x 5Ton	47 EA	HYUNDAE M&E (Korea)	In-House
	16x 10Ton			
CNC	18x Single	305 EA	FANUC A-D21 MiA Turret (Japan)	In-House
	172x Double		UGINT UT-360D Turret / Twin Arm (Korea) HYUNDAI WIA I-CUT380TDI Twin Arm (Korea)	
	95x Double		HANS Twin Head HS-752A (Korea)	
	20x Six-head		HANS Six Head HS-949A (Korea)	
Passivation (Surface Treatment)	1x Line	-	CUSTOM MADE (Korea)	In-House
Painting	2x Line	-	DREAM ENG LECIPRO (Korea)	In-House
Assembly Line	8x 10m Line	-	CUSTOM MADE (Korea)	In-House

Die-Casting



CNC Machining



Passivation



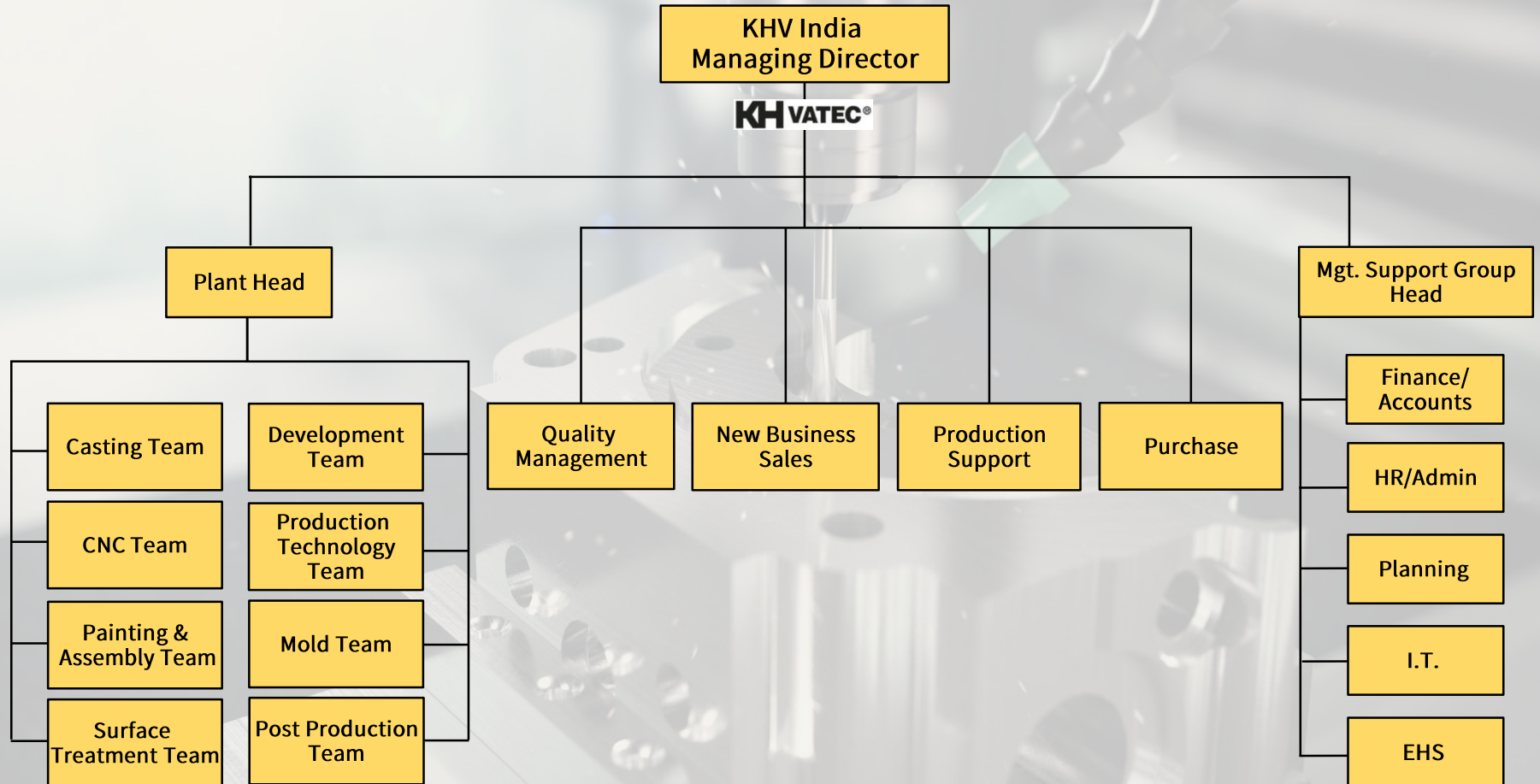
Painting



Inspection



Organization Chart 2023





THANK YOU

LAS 310

(Let's Achieve Sustainability)

- KHVatec India Slogan

WEBSITE : www.khvatec.com

CONTACT :

1) Park, Bong Geun

[General Manager – New Business Sales]

Email : park.bg@khvatec.com

Mobile : +91-9319463312

2) Hwangbo, John

[Manager – New Business Sales]

Email : john@khvatec.com

Mobile : +91-8754241119
