ARP WEBON NOW !! EL B&T INDIA

The True EV

ELECTRICAL LIFE BUSINESS & TECHNOLOGY

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Company Profile

GROUP COMPANY OVERVIEW

Company	EL B&T Co., Ltd.				
Established	May 1 st 2009				
Chairman & Group CEO	Dr. Young Ill Kim (John Kim)				
HQ-Address	#295-2, Ha-san-gok –dong, Ha-nam-Shi, Gyung-gi-do, Korea				
Factory	PD Industrial Zone , Gwang-Ju City				
Industry	Development, Manufacturing & Sales of EVs				
Products	E/Bikes, EVs, LCV, ECV, Special ECV and SUV, VAN & MPV, NEV, EV Power train & EV Parts				



GROUP COMPANY OVERVIEW : HISTORY

2009~2011	 Establishment of EL B&T Development of Highway Speed Electric Bus which Performs better MOA(Sichu-an Tang energy Investment Co. Ltd) MOA(Green Technology Motor Corporation / President MR. Jan H. Kierulf) Development of 120 -240kW Electric Power Train Development of Polymer Battery (up to 100 Ah Cell) with Kokam Development of Sustainable, High-Speed Electric Scooters and launching Show Opening of Manufacturing plant for E-Bikes(1,000 unit production per month)
2011~2012 LOI, MOU & MOAs	 MOA (Contract) (HHI-KOMEX Inc / VISION SWORD LTD, CZ REPUBLIC / CEO & Chairman Marek Klimes) Delivered 100cc class E/ scooter to DAFRA in Brazil . M.O.U signed between Runga Keraya Eng'g Co,Ltd Thailand
2013~2016 Development Period	 Proton EV(PHEV) Development Contract HARBIN Auto Industry (CHINA) "C" Segment EV Development First Development of 15kW BLDC Generator for PHEV Development of various Evs (Conversion) BUS, Truck (LCV), SUV, PC Completion of our Own EV Development for EB1-EV. ESS Development, Electric Boat, tricycle, E/Bike (K Model) Active BMS & EV Power pack development
2017~Present Various Developments	 Smart Platform Peltier system (HVAC) EV Transmissions AI (Concept) Connected Car System(Concept)

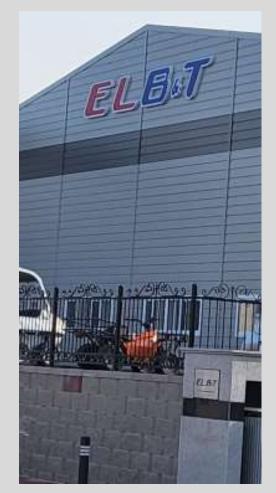


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SOUTH KOREA – FACTORY OVERVIEW

EL B&T -FACTORY OVERVIEW

EL B&T FACTORY in GWANG-JU CITY



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EL B&T – FACTORY OVERVIEW (NOW)





Cell Assembly Section



duning mature

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EL B&T's FACTORY IN GWANG-JU CITY

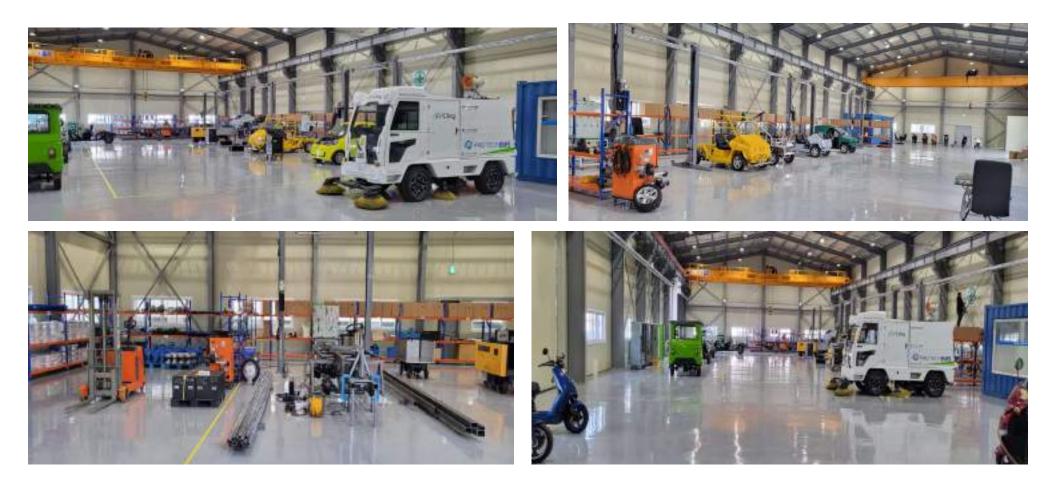
ASSEMBLY-SHOP of CELL MANUFACTURING



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ASSEMBLY-SHOP of CELL MANUFACTURING



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ASSEMBLY-SHOP of CELL MANUFACTURING



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EV FACTORY LOBBY & ASSEMBLY-SHOP



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EL B&T's R & D



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EL B&T's R & D



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INDIA EV PRODUCT LINE & GLOBAL MANUFACTURING SETUP

EL B&T's INDIA PRODUCT LINE-UP



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INDIA RAHUL EL B&T PST



India – Global Manufacturing Unit & Sales B2B2C



Battery Manufacturing & Solutions

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WHAT IS EL B&T's EB1-NEV (HEV) ? Ready for Mass Production

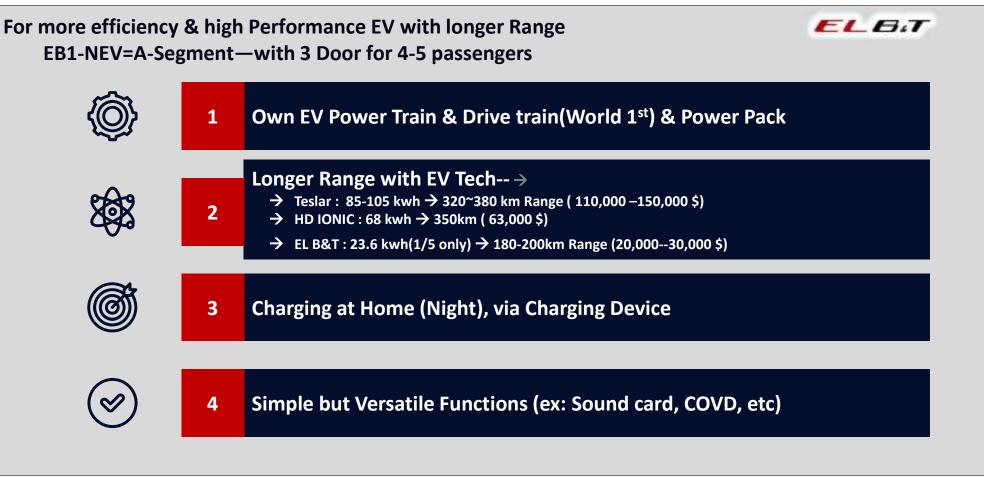
EB1-NEV (HEV) – BRAND NAME I-PLUG



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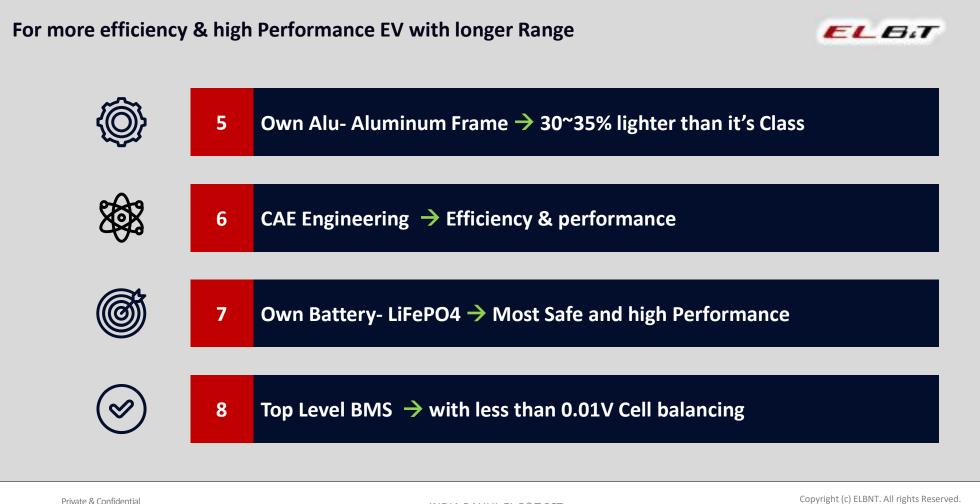
COMPETITIVENESS of EB1-NEV – I-PLUG



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COMPETITIVENESS of EB1-NEV – I-PLUG

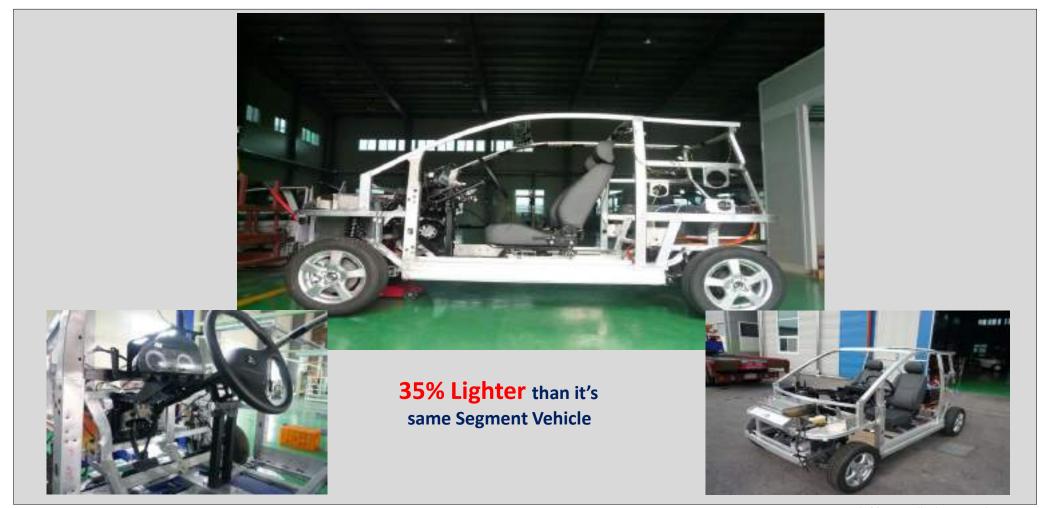


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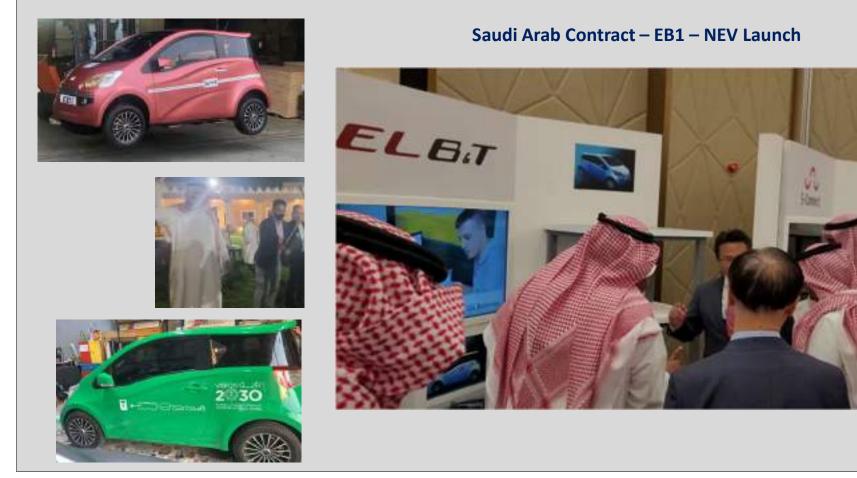
EB1-NEV's Aluminum Frame



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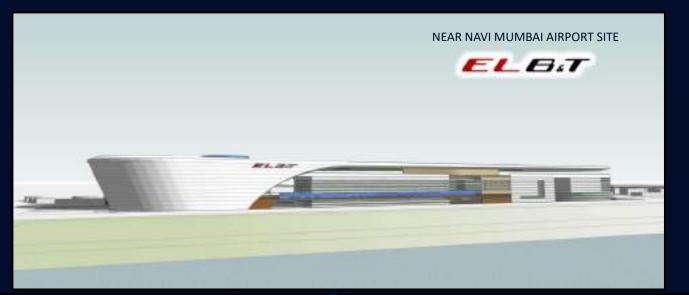
PROTOTYPE EB1-NEV (SIIVC and EL B&T)

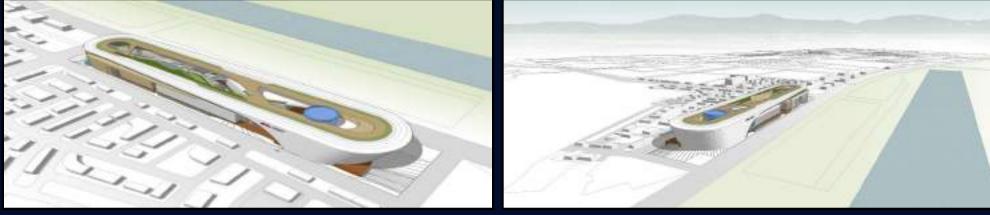


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EL B&T's INDIA - NAVI MUMBAI 25 ACRE FACTORY (IMAGE)

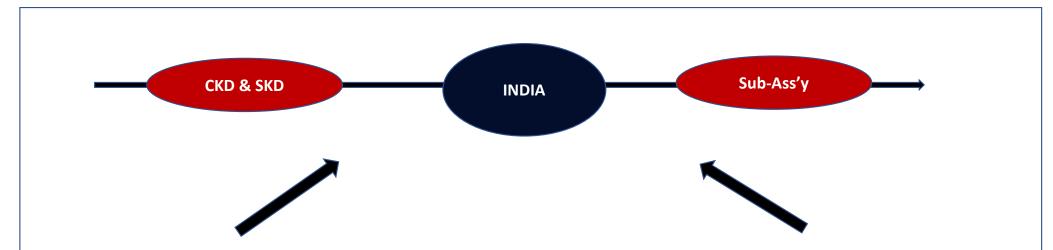




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EL B&T's 1st TIER Group of Suppliers



Ν	Company	Business Area	NO	Company Name	Business Area	No	Company Name	Business Area	NO	Company	Rusinoss Aron
0	Name	NO		Business Alea	30	SJ Screen	Labels	NO	Name	Business Area	
	ADM21	WIPER SYSTEM	14	MANDO	Suspension	31	Chun il Tech	TORSION-BEAM ASSY			
	MR ENG	Frame Welding System	15	HD Glass	GALSS-Tooling	32	TS Multi Tech	Hard Ware	38	DM ENV.DUCT	Shower Tester
-	IN Tech	Injection Tooling &			SUNVISOR	33	SK Corp	Bolt & nut (H/Ware)	39	BESKI Corp	Prototype Tooling
	DJ Mecha	BODY&MOV'G PNL Tooling	16	Hyo-Gwang		34	GEONAMAC	HVAC		Seo-Won	
	DS Corp MD Corp	Blow and Vacuum Molding FLOOR CARPET	17	Pyung-Hwa Mech	Door Mechanizsm	35	Item tech	Trim/Injection	40	Construction	Base Construction
	SEWON-			18 Kostech	Electric Parts	36	KATRI	Vehicle Certificate	41	Sung-Woo	Lift & fence
7	IND	REAR VIEW MIRROR		Presto Asia	Traction Motor	37	TY Electronic	W/STRIP, GLASS		Corp	
8	SE-HA	LAMP & Lighting	20		Battery Parts				42	JW Plant	Sealing Oven & Booth
9	SE-HWA	PVC(Seat Cover)		<u>SEVCON</u> MANDO	Controller Steering System				43	lyasaki Korea	Vehicle Inspection Device
10 (CM tech	Tooling for SEAT PAD, SEAT		MANDO	Brake System						Venicie inspection Device
10 Civi tech		PRESS	24	HIGEN Motor	In-Wheel Motor				44	BH Electric	Electric Installation
11 `	YR tech	Tooling for DUCT Parts	25	HK Mould	Dash-Board						
12 JS High Tech	JS High	Tooling for RUBBER parts		KOSTECH	OBC, LDC						
	Tech			MANDO	In –Wheel Motor			Plant	Setup -	-Macro Elecon	Pvt Ltd – India
13 ㈜태영전자		Tooling for MOLDING & Door		HK Mould	FRT/RR Bumper			i lanc	occup	LIGGIO EICCOI	
13	때비려인지	belt	29	HANS Digital	Door handle						

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EL B&T's "CELL MANUFACTURING"

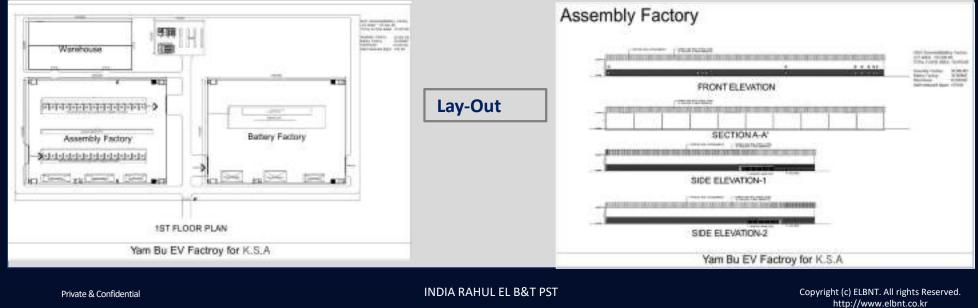


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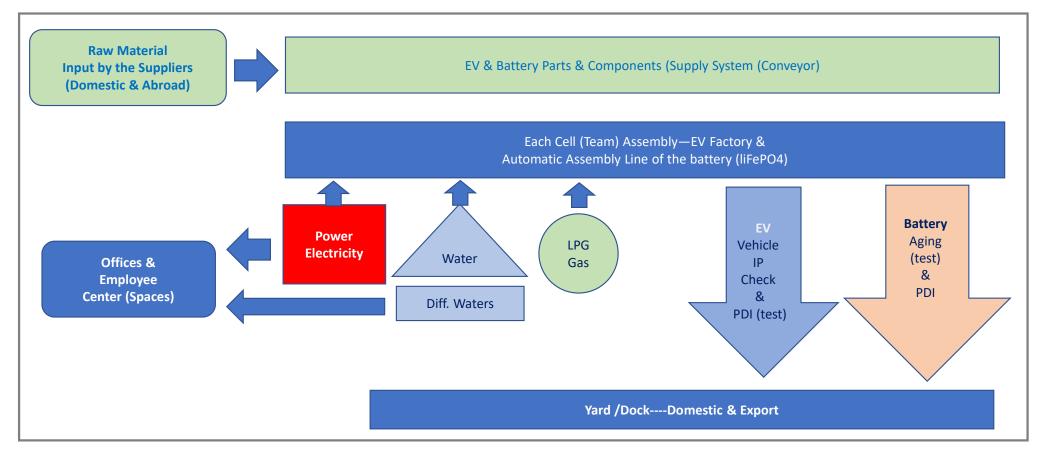
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ASSEMBLY-SHOP of CELL MANUFACTURING (IMAGE)





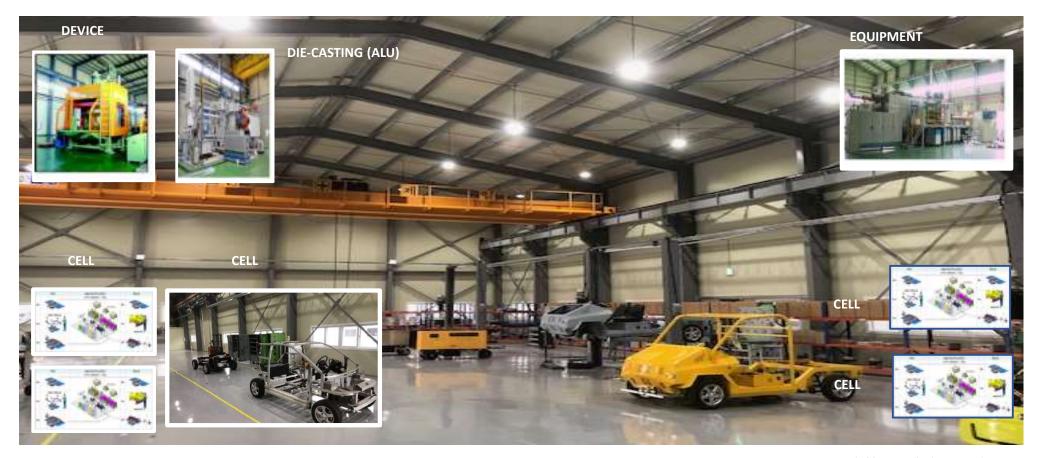
Process Flow of the EV & Battery Projects PLANT



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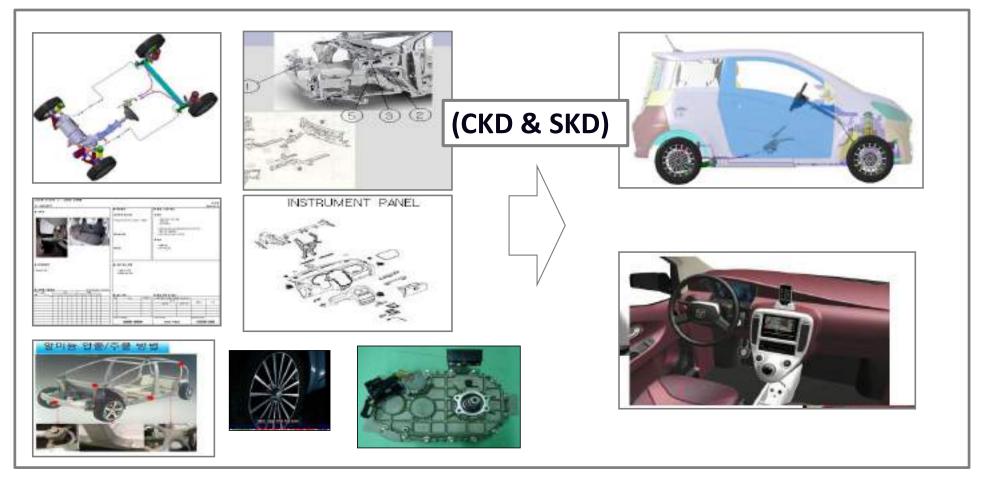
ASSEMBLY-SHOP of CELL MANUFACTURING (IMAGE)



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IMPLEMENTATION of EB1-NEB in Global Local



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Hello Everyone,

Welcome to Korea and my name is Mr. Georg Bauer and I am the COO of the EL battery GmbH here in Haag in Germany , which is of Dr. John Kim and I am working with him.

I am looking forward to welcoming you here in Germany soon.

Thanks "

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Mr. Georg BAUER - COO "EL Battery GmbH"

EL Battery GmbH's (EL B&T)

- 1) EL Battery---LiFePO4 Battery
- 2) Tubular Type of Battery
- 3) 45 & 48 Ah
- **SL** Batteries has it's Production Facility in Germany
- **SL** Battery has obtained the CE certification for EU Market
- **SL** Sells Batteries across the EU since Years..
- □ SL Batteries is the optimized Batteries for the EV, ESS and for many other Applications

SL Batteries has got the huge Potentiality on Global market for it's most competitive Product Characteristics, especially for it's SAFETY.



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EL Battery's Strengths and Differentiation LIFEPO4 Battery

1. Most Competitive & Performance tubular Type Battery
2. Various Sizes of Lithium based Battery
(12, 20, 45, 48Ah & 18650 , 21700 type of Battery)
3. Most Safest Battery on the global market –with additional Safety Device
4. German BrandSafety, Precision and Brand

5. Competitive Price

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1 Battery Assembly Line (Mixing, Coating, Coiling, De-gas, Assembly & Aging)





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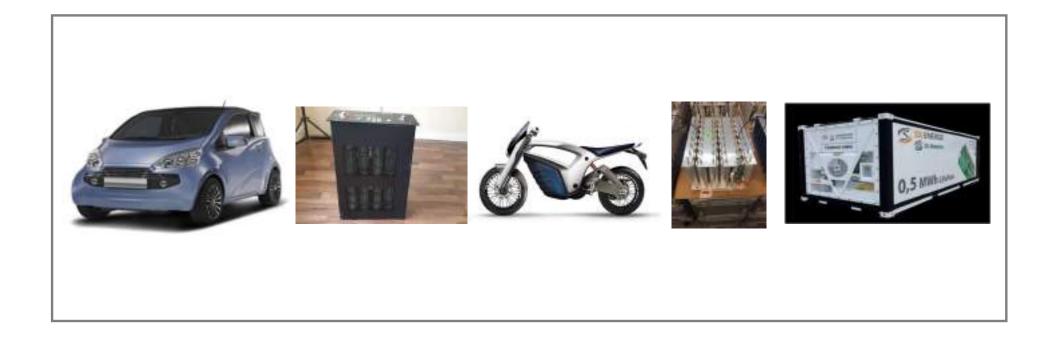
Battery(LIFEPO4) SPECIFICATION(COMPARISON with other Battery types)

ITEMS	Li-ION(SDI, LG, SK)		SL (EL)Battery GmbH		
Туре	Li-Ion	Li-FePO4	LiFePO4		
Nominal Voltage[V]	3.7(3.8)	3.2	3.3 V		
Max. Voltage[V]	4.2(4.35)	3.7	3.5 V		
Over.max [V]	4.3(4.4)	4.0	3.9-4.1V		
Lwr max [V}	2.5	2.0	2.7 V		
Life cycle(average)	500~1000	<2000	>3,000		
Life Cycle (Max)	<1000	<4000	>5,000		
E.Density [Wh/kg]	150-160	110-130	146-162 wh/kg		
C Rate (Max)	10C	20C	25C		
Safety	Medium & Low	Normal	Excellent		
Self Dis CHARGE Rate	>1%	>3%	-2-%		
Temerature	-20~60°C	- 20~60° C	20~50/70°C		
Advantages	H/Density	Life Cycle	High Volume/life Cycle		
		S/volume	H/Volume		
	Explosion	Cheap & High Price	Cheap & Safe		
Dis-Advantages	Medium Size	Low Quality	High Quality		
Mostly used Area	USA	CHINA /USA	EU & KOREA		

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Applications for the SL's Batteries



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Proton—ICE Vehicle CONVERSION

Proton's Vehicle Persona & Saga





EV-CONVERSION

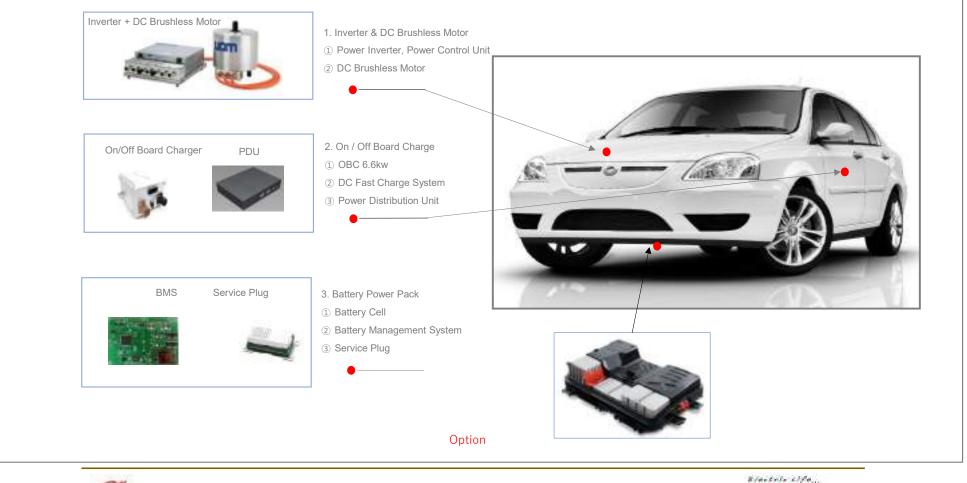




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HARBIN EV (CHINA)—EV CONVERSION (EV POWER PACK)





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Military Electric Vehicle (R&D / Production)



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ELECTRIC BUS

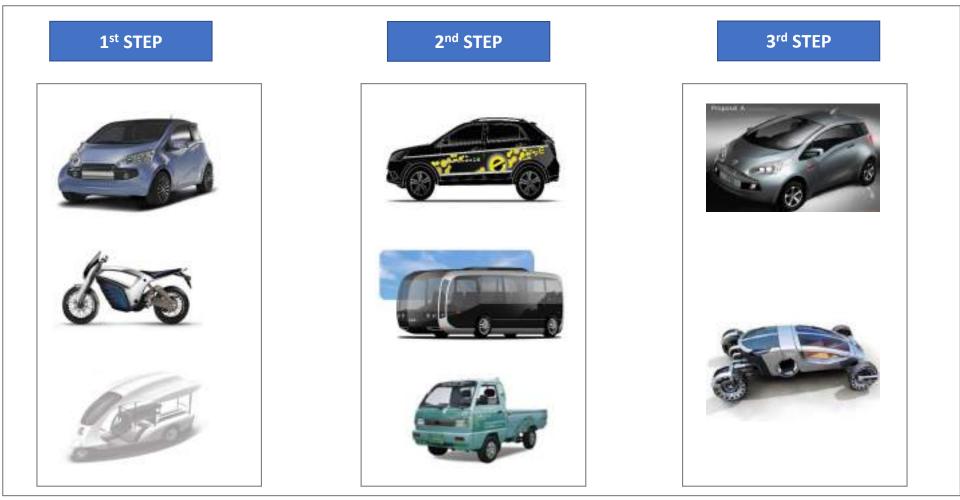
Medium size EV Bus (25-35 seats)



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EL B&T's SEQUENTIAL EV Development PLAN



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Bone Type e-Bike



Specification

Size ()	1,800 x 1280	
Wheel Size	26inch / 24inch (option)	
Drive Type	Chain	
Weight	125Kg	
Body (Integrated)	Monocoque aluminum frame	
Motor (Gearless BLDc)	3000W, (Air Cooling)	
Key Features & Benefits	Built-in controller, regeneration, Intelligent PAS,Trip computer	
Battery (Electec / Samsung)	Li-polymer (48V/100Ah) Lifepo4 (48V/100Ah)	
Ratio	1:4.2	

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K1 E-Bike



Specification

Size ()	2,100 x 1280
Wheel Size	26inch
MAX Speed	200 Km
Weight	160Kg
Body (Integrated)	Monocoque aluminum frame
Motor (Gearless BLDc)	15-30Kw, (Air Cooling)
Key Features & Benefits	Built-in controller,
Battery (Electec / Samsung)	Lifepo4 (48V/100Ah)
Ratio	1:4.2

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E-Bike



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Width	600 mm
Usiaht	
Height	1,120 mm
Wheel Base	1,400 mm
Ground Clearance	260 mm
Weight	110 kg
Seating Capacity	2 Seater
Top Speed	80 km/h
Economic Speed	40 km/h
Max. Range	80 km (40km/h)
Climbing Capacity	35 %
Front	Disc
Rear	Disc
Front	130/60-13
Rear	130/60-13
Туре	PMAC (Air Cooling)
Rated Power	1,000 W
Max. Rated Power	4,500 W
Туре	Li-Polymer with MC BMS
Battery Capacity	48V/40A , 48V/53A
Charge Condition	48V/600W, 48V/1500W
Туре	PMAC
-	Ground Clearance Weight Seating Capacity Top Speed Economic Speed Max. Range Climbing Capacity Front Rear Front Rear Type Rated Power Max. Rated Power Type Battery Capacity Charge Condition

with Multi Channel BMS and Double Protection Module • PMAC Motor • The contents above may change without prior notice to improve the performance of the product.

TRI - CYCLES

MARKET MODELS









EL B&T MODELS





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Dr. John (Young-ill)Kim



Founder Group Chairman

Dr. Kim began his career in the automotive industry in 1983 as Car designer while he Studied "Industrial Technology & Product gestating, Car Design in Germany and after Graduation of Industrial and Car Design in Germany, he worked at Panther Sports Car in UK as Senior Designer and Manager. He later served as Chief Designer at SSang Yong Motor Company in Korea designing the PCs, SUVs and numerous commercial vehicles and concept vehicles before joining the Hyundai Motor Group in 1995.

From 1995 through 2007, Dr. Kim held various positions of increasing responsibility under the Hyundai Motors Group umbrella, including Chief Designer & Engineer at Hyundai Precision, Chief Designer & Senior Vice President at Hyundai & Kia Design Center, and Executive Vice President in Marketing for Brand & Design Differentiation in Hyundai and Kia Motors. From 2007 through April 2009, Dr. Kim was CEO and President of Innocean Corp., a leading Marketing Communication Company of the Hyundai Kia Group. He became one of the President at Hyundai Kia Motors in 2008.

Dr. Kim, who holds an Industrial Designer of Product Design Bachelor and master degree and Phd course at Wuppertal University, Germany, and a PhD in Design from Kook Min University, Seoul, Korea, has enjoyed a distinguished academic career as well, having lectured at various colleges and universities on the subjects of design, Interactive and marketing since 1995. Dr. Kim was a visiting professor at Gothenburg University, Sweden during the 2004/05 academic year, and he used to be serving as a professor at Kyung hee University and Choong An g University.

Strengths

Creativity / Innovation / Product Development

Strategies / Market / Business Development

Management / Human Resources / Finance / Channel Sales & Marketing

EV Technology & Batteries

Dr. Kim is a strong advocate for electric vehicles, and he believes that they have the potential to revolutionize the new environment friendly transportation industry. Under Kim's leadership, EL B&T has developed a proprietary battery technology that it believes will make its electric vehicles more affordable and efficient than those of its company is also planning to launch a range of electric vehicles, including sedans, SUVs, and vans on global market. EL B&T will become a major player in the global electric vehicle market under his leadership and Dr. Kim strong believes that "EL B&T has the potential to change the World."

Journey of making an entrepreneur		Entrepreneur > Creating & Innovating		
	1987	2002 Senior Designer Design in Ulm, W. Germany, 1991: Senior Designer & Manager at Panther Sports Car Co. Chief Designer in Ssang Yong Motor and 1995 Chief Designer Hyundai Motor Group	then CEO during 2007-2009	2009 EL B&T Chairman & Group CEO

Rahul Pawar



Group CEO

Awarded Bharat Saman in House of Lord's UK. He is MBA in General Administration from ITM with about 25 years hands on, introspective & in-depth exposure across Global Business Setup & Product Launch in industries such as Healthcare, Telecom, Retail, IT & R&D, Manufacturing and now in Electric Vehicle Segment.

Prior experience in Setting up Global Organization, Listing, Global Sales, Business Analysis, IT Innovations, Investment, SAP Practice/Program/Project Management, Thought Leadership, creating/adapting Methodologies, Consulting, Solution Architecting, Global ERP Implementations, Comptel IL Provisioning and activation, Mobile Application Development.

He has managed 18 countries during his global corporate journey and successful in implementing strategic plans for company.

MediSponsor.Inc USA Ex - Global Cloud Exchange , Reliance Communication , Reliance Retail , GTL, Lucent Technologies

Strengths

Creativity / Innovation / Product Development

Strategies / Market / Business Development

Management / Human Resources / Finance / Channel Sales & Marketing

Technology

Journey of making an entrepreneur Entrepreneur Creating & Innovating

 1996
 HR
 2002
 Business HR (Telecom 45K Employees, Retail 50K +, IT - 1500+, Global Managed Services 1500 Employees) SAP Implementation - 2 India , 1 Global Projects), CMMI Implementation
 2014
 100 + Consulting Projects, Implementing Global Organization

Simardeep Singh



Simardeep Singh is a seasoned businessmen with a remarkable 15-year track record in the healthcare sector, agriculture, and defense technology industries. As the Managing Director he has consistently demonstrated his ability to drive revenues and profits while nurturing a deep passion for company-building.

Simardeep's career showcases his proficiency in both establishing startups from the ground up and optimizing the growth of wellestablished organization. Simardeep Singh's leadership style is marked by flexibility and decisiveness, enabling him to provide effective guidance in competitive and volatile industries.

Expertise :

- HealthCare Industry : Trading, Diagnostics Services, Genomics International Healthcare Markets, Pharma Industry
- Agriculture Industry : Tissuse Culture, Plant Engineering and Genomics, Millets Project, FPO Projects, Crop Mapping
- Defense and Technology : Drone Technology, Healthcare Kits for Indian Army, Arogya Maitri Projects, Screening and Testing

Managing Director Green Genome Pvt Ltd India , Ex - Medhavi Skillversity PLC | Founder Strengths

Diverse Expertise:

CEO – India EV & Health Tech Business

Innovation in Biotechnology

Management / Human Resources / Finance / Channel Sales & Marketing

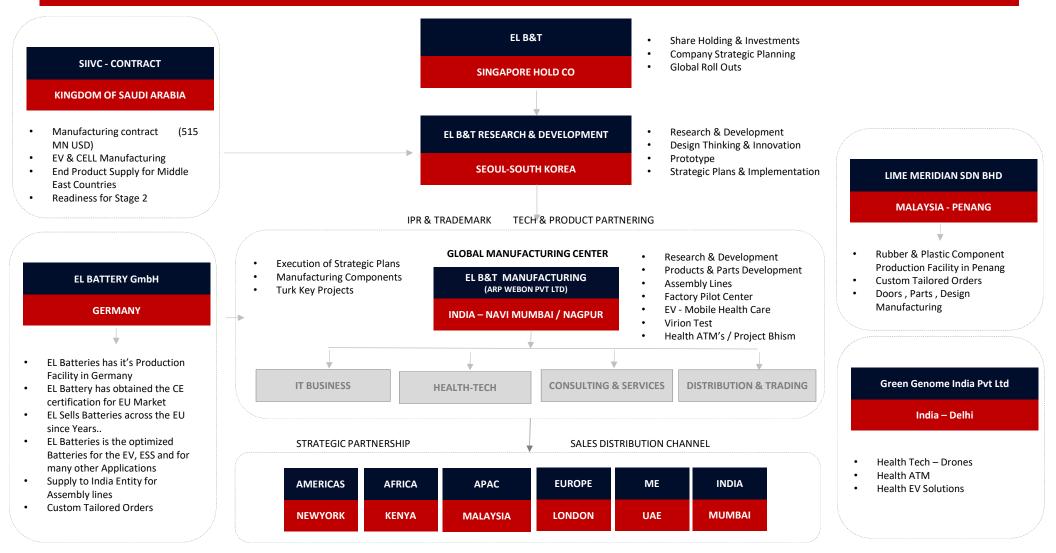
Government Policy Expertise



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Global Structure & Offices Plan

ROLES OF FOLLOWING ENTITIES



DISCLAIMER

Important Notice:

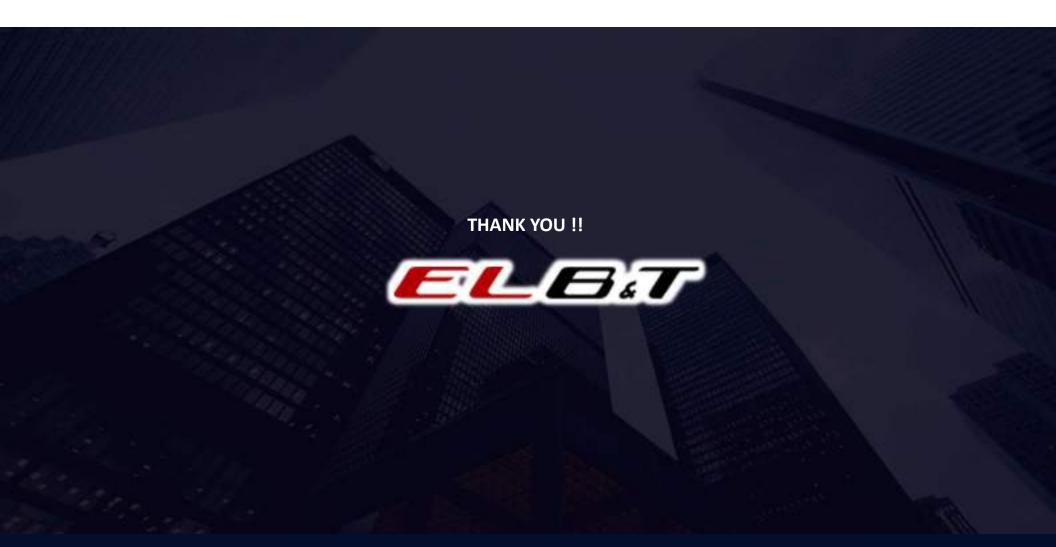
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