





HANKU	ook tire gru	OUP STRUCT	URE			
	HANK	OOK WORL (Holding Company)	DWIDE			
Company Sh	nares) (25%)	(31%)	(30%)			the power company (100%)
			em Frontier	DAE<u>HWA</u>	TECHNOLOGY	
Products			Dot Dot Dot Carter Carter Dot Carter Agostroner			
	Automotives Tires	Lead Acid Batteries for Automotives, Industrial App.	IT solution	Machinery for Tire Manufacturing	Tire mold, Aero Space Component	Brake Pad
2014 Turnover	U\$ 7,000M	U\$ 466M	U\$ 78M	U\$ 82M	U\$ 44M	U\$ 43M
Founded	1941	1944	2000	1991	1967	1991
Stock Marke	t KRX	KOSDAQ				







Established | 1941 Sales Revenue **U\$ 7 Billion** (2013)

World Rank in Tire Sales 7th

Employees Approximately 21,000 Personnel

Products Tires for Motorsports, Passenger cars, Light Trucks, Trucks and Buses

Global Corporate Organization

Offices for Global OE Network : Korea, USA, Germany, Japan, China **Regional Sales Subsidiaries** R&D Centers : Main R&D Center, ETC, ATC, CTC, JTC

Plants : Korea(2), China(3), Hungary (1), Indonesia (1) America (1, Under Construction)

Number of Exporting Countries Approximately **180** Countries worldwide







Established 1944 1000 Sales Revenue US\$ 466 Million (2014) World Rank in Lead Acid Battery Sales 8th Employees Approximately 880 Personnel (R&D 45 Personnel) Lead Acid Batteries for Automotives and Industrial Applications Products Operation Sales R&D, **Daejeon Plant** Jeonju Plant OEM : (1998~) (2004~) Customers After Market : 287 Customers in 130 Countries Acheleo

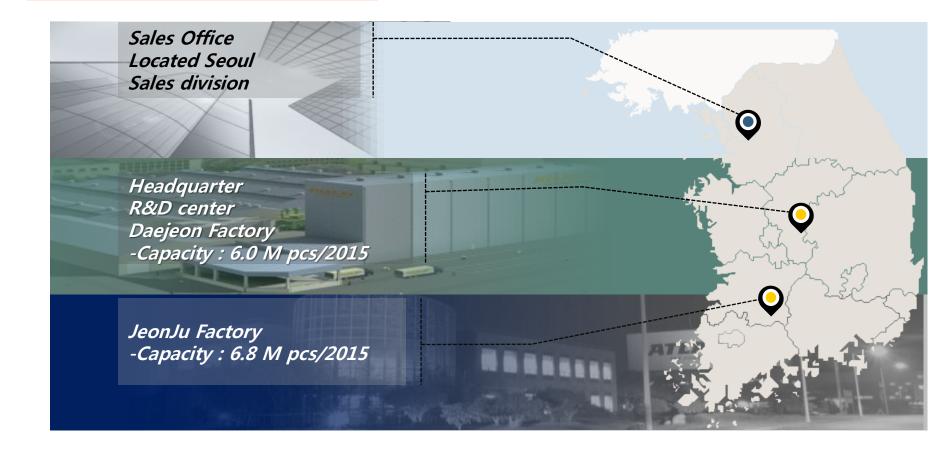


70 YEARS WITH LEAD ACID BATTERY

Establishment	• Development •	Growth •	Leader
1944 Established as the ISAN Corporation	1979 Daejeon Plant started * Technical License Agreement	2000 Jeonju Plant started	TOWARD
ISAN Corporation	with GNB, USA	2001 Launching SMF series	ATLASBX VISION 2020
	1980 First Development of MF Battery in Korea	2003 ISO/TS16949 certified	
	A CONTRACTOR	2004 Reborn with the name of ATLASBX Co., Ltd.	
1952 Renamed to the Korean Battery Corp.	FREE LAND	2005 Launching AGM series	
1977 Acquisition by Hankook Tire Co., Ltd.	1992 R&D Center open	2008 Development of "X frame technology"	
	1994 ISO9001 certified	2009 First to get Reliability Mark	k
	1994 Listed on Stock Market	by Korea Government 2011 Launching SHD series	
	1998 ISO14001 certified		
		2013 Launching UHPB series as flagship segment	
		2014 Launching EFB series for ISS vehicles	ATTAGAT
		2014 1 st Plant Expansion finished + 3.0M capa	



OFFICE & PRODUCTION SITE









1st Plant S.O.P : Oct. 1979 Capacity : 6.0M Units/Year Production Items : Dry, SMF Location : Dae-Jeon, Korea

2nd Plant

S.O.P : Dec., 2000 Capacity : 6.8 M Units/Year Production Items : SMF, AGM Location : Jeon-Ju, Korea Expansion completed in Oct 2014









GENERAL MOTORS (SPO)

NORTH AMERICA, AFRICA, MIDDLE EAST, ASIA









CHEVROLET



GENERAL MOTORS KOREA

✓ SEDAN : AVEO, CRUZE, MALIBU, ALPHEON
✓ SUV/CUV : TRAX, CAPTIVA, ORLANDO

RENAULT-SAMSUNG MOTORS

✓ SEDAN : SM3, SM5, SM7
✓ SUV : QM5, ROGUE

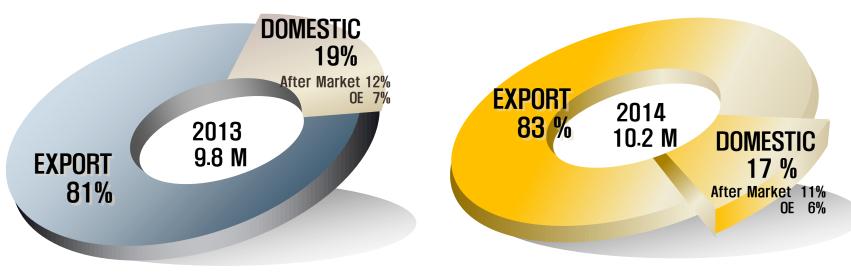


MALIBU

2014 Turnover : U\$ 466M (10.2M units)

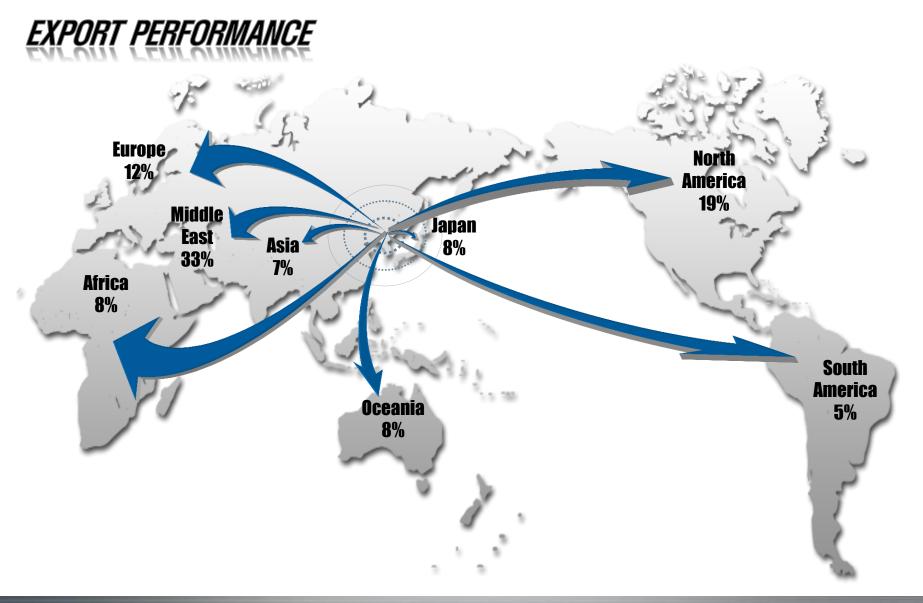
✓ Export Sales : 8.5M units

✓ Domestic Sales : 1.7M units - OE 0.6M units / REP 1.1M units



* Volume in Million Units







ATLASBX VISION

VISION 2020

Year 2020

Sales volume 20 mil. pcs



Revenue U\$ 1 billion

Leading Global Battery Company





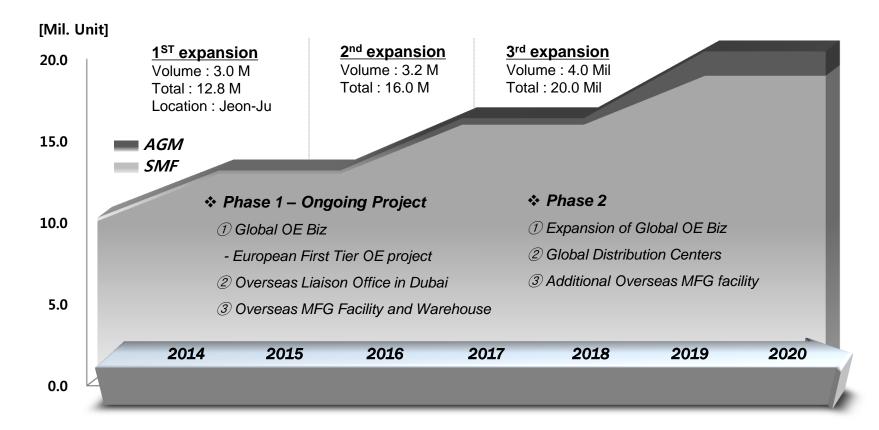
WHANKOOK 7 6

STRATEGIES GLOBAL STRATEGY

3 STEP CAPACITY EXPANSION

1st expansion has been successfully completed in October 2014

2nd & 3rd expansion plan will be considered Korea / overseas manufacturing





ATLASBX PLANT EXPANSION (AERIAL VIEW)





ATLASBX PLANTEXPANSION





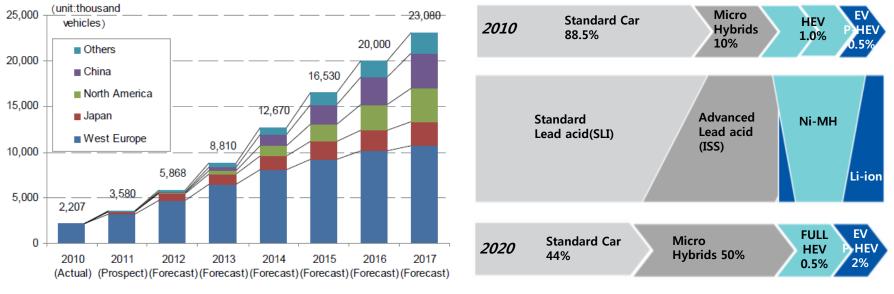




MARKET AUTOMOBILE TREND

New Trend

ISS(Idling Start-Stop) technology has become the new trend By 2020, ISS battery OE sales portion will be more than 50% of all Actual ISS car sales in 2013 was 8 mil.pcs, and this is close to the figure shown below



2010-2017 ISS Car Sales

2010-2020 Battery OE Sales

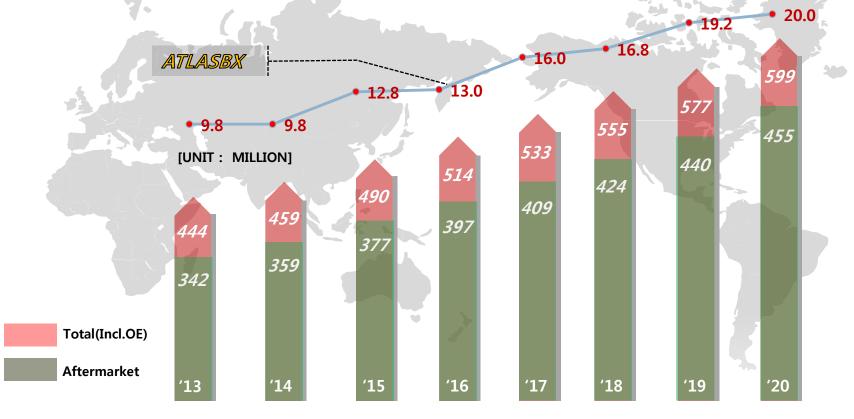
Source : BCI Conference(2011), YANO Research(2011)



MARKET WORLD MARKET FORECAST

Growing Market

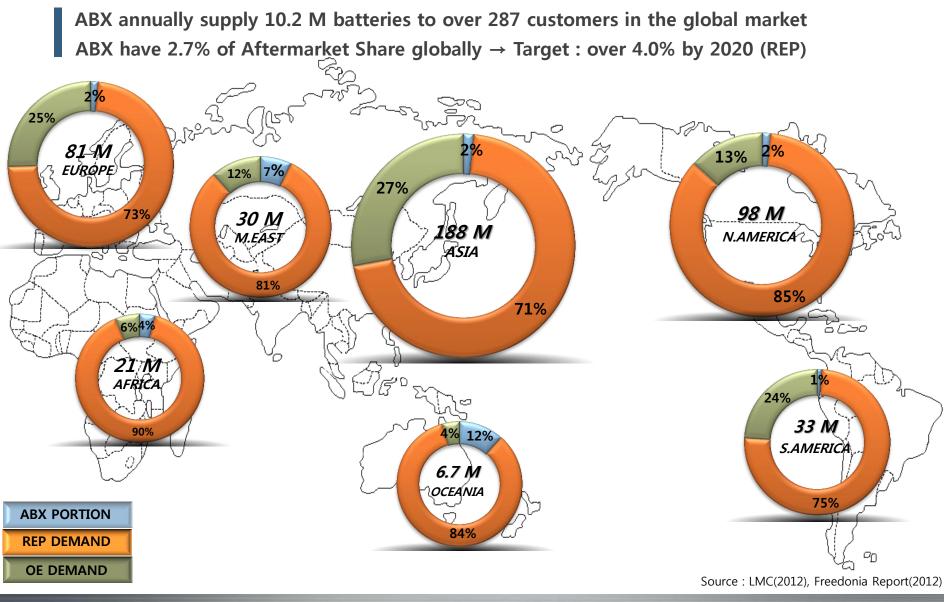
By 2020, global total market size will grow to approximately 600 mil. pcs Global aftermarket annual growth rate of 3.6%(CAGR) / OE 4.4%(CAGR)



Source : LMC(2012), Freedonia Report(2012)



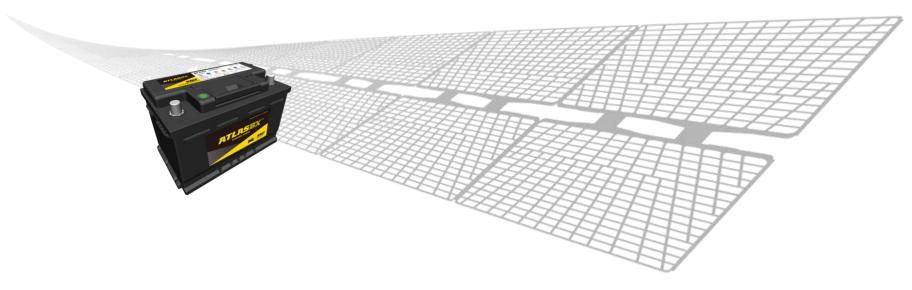
ATLASBX WORLDWIDE SALES PERFORMANCE





Product Information

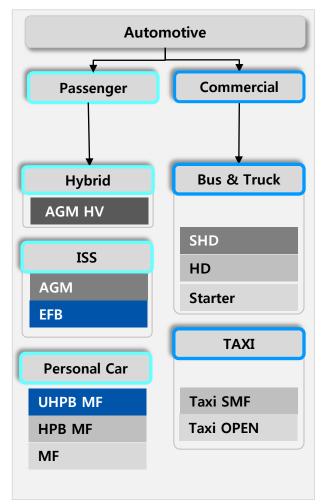
Product Lineup/ New Products

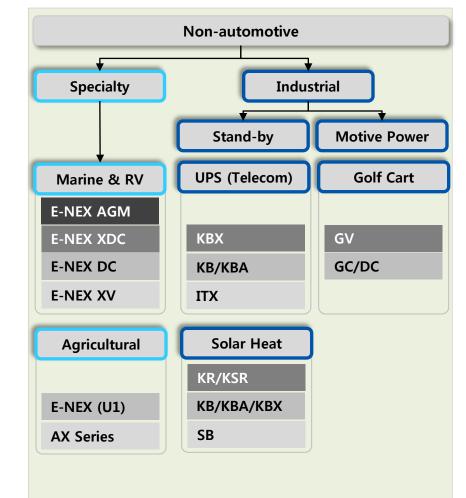




ATLASBX PRODUCTLINEUP

Wide range of products to give customers more options







ATLASBX PRODUCT LINE UP

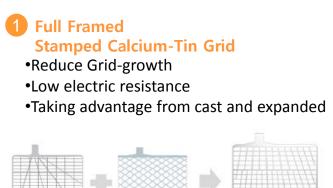
* Automotive Line Up Passenger / Commercial / Marine & RV / Hybrid Vehicle

Product	Passenger		Commercial	MARIN	NE / RV	Hybrid
Segment	SMF	ISS	SMF/OPEN	SMF	AGM	Vehicle
Premium	ATLASSIC MEW UHPB	AGM	SHD	XDC	Kine Constraints of the second	MEW HV
High performance	NEW HIPB	ATLASEX OCCUPATION	ATLASEX.	DC		
Standard	And and a solution of the solu		TILIS DX. STARTER	xv		



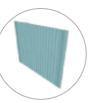
ATLASBX CORE TECHNOLOGY





2 Enveloped Separator for low electric resistance

•Reliable starting power prevents internal short between positive and negative





3 Advanced center lug technology and cast on strap

•Guarantees against vibration

- Reliable starting power
- •Stability of plates

4 Special sealed cover structure

- •Protects from acid leakage
- •Minimizes gassing
- •Frame arrestor prevents an inflow of outside sparks

Reinforced container

•Protects the battery from vibration and impact



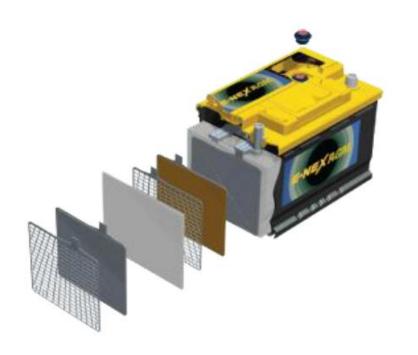
Magic eye indicator

•Easy to check charging-state



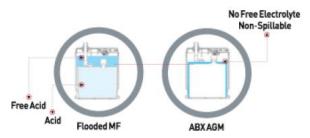
ATLASBX CORE TECHNOLOGY





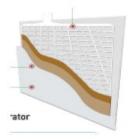
1 AGM Separator Technology

•Completely spill-proof plate •Minimized electric resistance



2 High Density Active Material

•High pressure of glass mat •Special tissue on the plates



) High Technology Vent plug Structure

•Gas re-combination system •Free from explosion



Valve Regulated Vent Plug

Vent plug



ATLASBX STANDARD AUTOMOTIVE





- Standard Automotive Application
- Wide Range covers 98% of all vehicles
 DIN : L1 ~ L5
 - JIS : B19 ~ E41
 - BCI : G21 ~ C31
- Sealed MF & Open Vented



ATLASBX COMMERCIAL



• Range

- DIN : A, B, C, MAC 110, MAC 140, DIN 630
- JIS : F51, G51, H52
- BCI : 4DLT, 4D, 8D

Series

- Heavy Duty (Wet/Hybrid)
- Heavy Duty (Sealed Maintenance Free)
- Super Heavy Duty (SMF) : DIN A/B/C

Application

- Trucks & Buses/ Construction / Agricultural Vehicles





ATLASBX MARINE



Range

- Group 24 , 27, C31

• Series

- XDC : Deep Cycle & Starting
- DC : Dual Purpose (Starting & Cycling)
- XV : Marine Starting
- E-NEX AGM : D26, C31 w/ Marine Twin Post

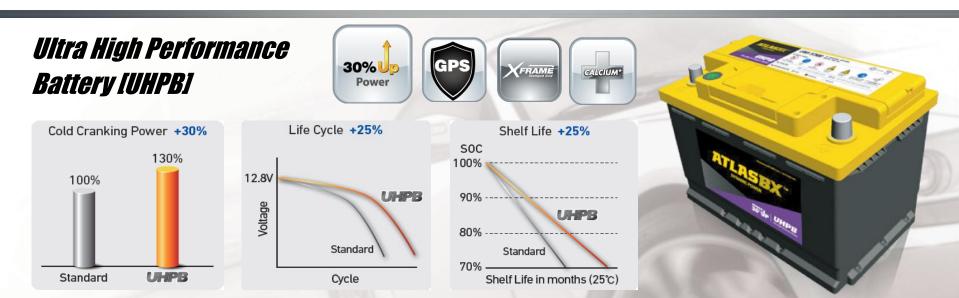
Application

- Recreational Vehicle, Camper Van, Yacht, Boat





ATLASBX NEW PRODUCT





ATLASBX HV

Key Features

- Absorbed Glass Mat Separator
- VRLA Sealed Construction
- X-Frame Grid Technology
- Reinforced Case Design

Benefits

- High operational reliability
- Charge Acceptance 50% up
- starting power 30% up
- Optimal safety for installation

	20HR	ССА	Dest	Hold	Annelinetien	
Type No. Rate SAE		SAE	Post	Down	Application	
AX S46 <mark>B24</mark> R	45	370	Small	BO	Toyota Prius & Lexus CT200h	
AX S55 <mark>D23</mark> R	55	550	STD	B0 / B1	Toyota Camry Hybrid	



ATLASBX NEW PRODUCT FOR ISS APPLICATION





AGM DIN BATTERY

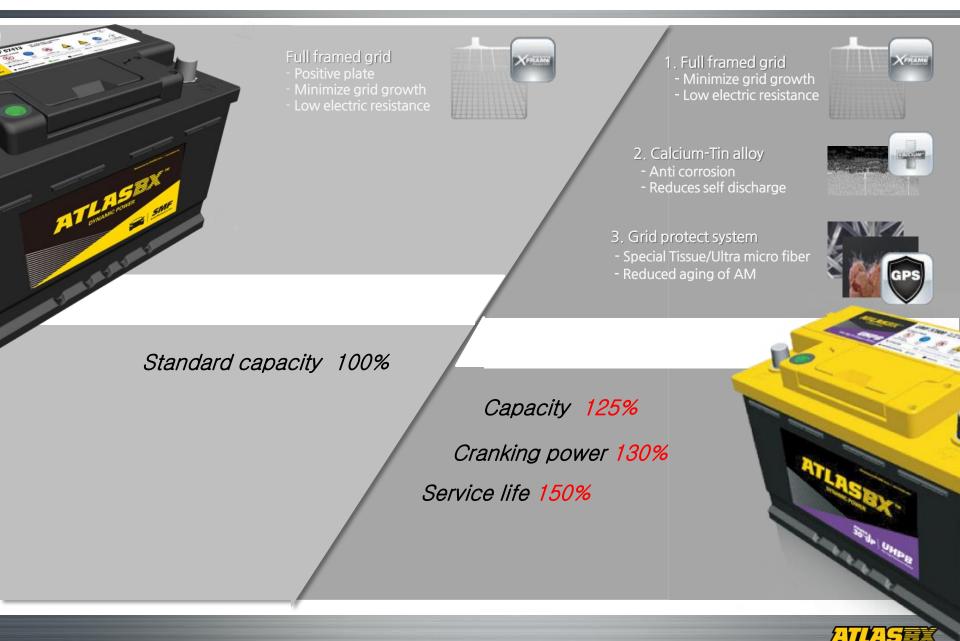
Description	Details	
Interior	6 Valve Structure / New vent cap	
Exterior	Reinforced case design / Meets OE specification	
Types	• AGM L2 / L3/ L4 / L5	



Application



NEW PRODUCT SMF UHPB COMPARISON



THE POWER COMPANY

NEW PRODUCT ISS



2. Thicker plates & high density active material
 Providing high durability on deep cycle

3. Carbon black
Optimized carbon black to ultimate charging acceptance 1. Advanced vent plug



2. High density active material - High pressure glass mat





Cycle performance 130% Charging acceptance 130%

Cranking power 110%

Cycle performance150%

Charging acceptance 150%

Cranking power 120%





ATLASBX QUALITY ASSURANCE SYSTEM





ATLASBX CERTIFICATE



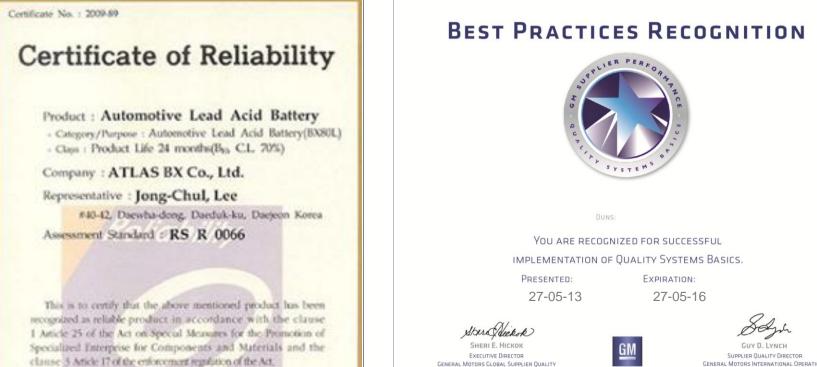
ISO 9001 Certified in 1994 Renewal Jan. 2013



Certified in 1998 Renewal Jan. 2013 ISO/TS16949 Certified in 2003 Renewal Dec. 2012



ATLASBX CERTIFICATE



Jun 26, 2009

lam, insulc

Administrator

Korean Agency for Technology and Standards **IIIKE** Ministry of Knowledge Economy

Republic of Korea



GENERAL MOTORS INTERNATIONAL OPERATIONS



ATLASBX CORPORATE COMMUNICATION

Baseball Stadium Advertisement

Magazine Advertisement

Setup Radio 0 Fraffic prog nal stations Station reception Station display Alt, frequency PTY filter TP TMC 12:00 BX Battery Expert Since founded in 1944. tem Battery Expector KD years unter nar sloges. "Cutturer-overtenigeseff". Institus, which dag and expects, an a pleatinic Jackwaw. Ball proving an Ally, extra nutive production fer swell build piet for sump. "Conf. Tractico System" in any a smallpart of an advecation technology salansi technology and titchis autoreave gluer, we prevery such 71.05-81, the Lacad Top Sissant of tamente 944/ 5425 00 1722 00 6501 22102 12 00 548 2 000 70 200 AUG M 607 551 1225 55 551 5351 535 55 551 55 250 551 551 THE POWER SOUND ACM/Accortent Class Mat) Sepantar Advanced Class Record Institution Technology Starved Electrolyte Structure TLAS AGM.

Exhibition



Racing Team





THE END THANK YOU FOR YOUR ATTENTION

