

REPORT 2013-2025
WORLDWIDE RECHARGEABLE BATTERY MARKET



- 14 Detailed modules:
Smartphones, Portable PCs, Tablets, Power Tools, xEV, ...
- Market in volume & value
- Market by application, battery size, battery design, suppliers
- 12 years forecasts scenario
- Raw materials market 2013-2025 (anode, cathode, separators, electrolyte, lithium salts, binders, ...)
- Main Trends: technological, price, materials,
- Battery supply chain and value added products

2014 Edition - Revised every month!

www.avicenne.com

AVICENNE & METHODOLOGY

AVICENNE is a unique Battery market research company worldwide, providing unrivalled advantages to our clients on the Battery & Power Supply Industry for more than 20 years.

With our presence in Japan and Europe, AVICENNE is able to identify early new trends and technologies affecting the world Battery market and has over years been in close relationship with the main actors in the Japanese, European and US market. Capitalizing on our expertise, we organize and chair since 1999 the main Battery event in Europe.



OUR STORY

Founded in 1992, AVICENNE is a small but internationally renowned company with an extensive business Network. This Network, crucial to our company's success, was built thanks to our team's former involvement in these industries and with these actors, but foremost due to our close and continual cooperation with top management.

OUR MISSION

AVICENNE provides sustainable and in-depth information for decision-makers in highly innovative and fluctuant industries. This valuable information permits our clients to take the best financial, operational and strategic decisions.

OUR EXPERTISE

Our team is always up-to-date with the latest market evolutions. We consistently monitor the main actors of the value chain and reevaluate customers' needs in light of market changes.

The Company Size enables a close contact to customers, fosters a familiar working atmosphere, ensures flexibility, and assures full confidentiality.

The Worldwide Business Network provides accurate data and privileges special insights

The Working Method develops a critical mind focusing on the clients' understanding.

OUR VALUES

Integrity: AVICENNE Développement is an independent consulting company. Our ethical principles are inherent to the honesty and integrity of the people working within our structural framework.

Clients come first: We work with the client not for the client. Our main and principal target is to serve client's best interests. We take pride to favour our clients' interests rather than our own profitability. This is the key of our credibility.

Respect for the Individual: We support and respect personal growth; We believe that a collegial environment fosters continuous learning; Teamwork and cooperation are essential to our success; We therefore encourage constructive criticism.

OUR INTERNATIONAL TEAM

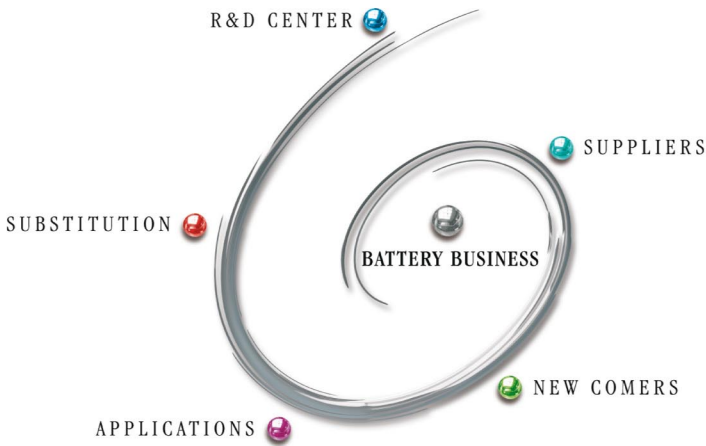
AVICENNE Développement's most significant asset is its team of International consultants (France, China, Japan, ...) with both scientific & marketing skills. Always curious, we constantly evaluate new ideas and new opportunities in order to provide best service.

THIS REPORT WILL HELP YOU TO

- 🎯 Comprehend today's market environment
- 🎯 Outline future applications
- 🎯 Determine market in volume and value
- 🎯 Make thorough business decisions
- 🎯 Assess new products & technologies
- 🎯 Gather accurate data for presentations
- 🎯 Identify current and new competitors
- 🎯 Support your research and development
- 🎯 Understand future trends and perspectives



IN DEPTH ANALYSIS



BATTERY BUSINESS

NICD, NiMH, Li-ion, Li-P, Sanyo, Sony, Panasonic, SDI, LGC, BYD, Lishen, NEC, Sanyo GS, E-One, Saft, Yuaza, GoldPeak, Maxell, ATL, TCL, Enerdel, Enax, BAK, Boston Power, Dow-Kokam, ...

NEW COMERS

A123, Altairnano, Powergenix, Inanovation, Electrovaya, Zinc Matrix Power, International Battery, Eliiy Power, Seoo, Daimler-Evonik, SB-Limotive, K2 Energy, Quallion, Envia, GAIA (Europe) & Lithium Technology Corp (USA), European Batteries Oy, ...

SUPPLIERS

ANODE

Conocco Philipps, Ghangsha Hairong, Hitachi Chemical, JFE Chemical, Kansai Netsu Kagaku, Kureha, Mitsubishi Chemical, Mitsui Mining, Nippon Carbon, Osaka, Gas Chemical, Shanshan, Shenzhen BTR, Sumitomo Metal, ...

Hunan Reshine, JGC Catalysts, L&F, Mitsui Mining, Mitsui Zosen, Nichia, Nihon Kagaku Sangyo, Nippon Chemical, Nippon denko, Pulead, Qiannyun, Seido Chem, Seimi Chemical, Shan Shan, Sumitomo Metal Mining, TATUNG, Tianjin B&M, Toda Kogyo, Umicore, Dow, ...

Chemical, Mitsui Chemical, ShanShan, Soulbrain, Tomiyama Pure, PANAX-ETEC, Ube Industries, Zhangjiagang Guotai Huarong, ...

SEPARATORS

Asahi, Baoding Fengfan, Celgard, Entek, Dupont, Foshan Jinhui, Hirose, Japan Vilene, NKK, Shenzhen Senior, Sumitomo, SK, Toray, Treofan, Ube, Xinxiang Green, ...

CATHODE

3M, ALEEEES, BASF, BeLife, Citic Guoan Mengguli, Clariant, Easpring, Formosa,

ELECTROLYTE

BASF, CapChem, Chemicals, Jinniu, Kishida Chemical, Mitsubishi

R&D CENTER

EUROPE, USA, JAPAN, CHINA, KOREA, TAIWAN

SUBSTITUTION

FUEL CELLS, BIO FUELS, SOLAR, ULTRA CAPACITORS...

APPLICATIONS

ELECTRONIC DEVICES

CELLULAR

Nokia, Motorola, Sony-Ericsson, Samsung, LG, Apple, RIM, ...

CAMCORDERS

Sony, Panasonic, JVC, Canon, Samsung, Hitachi, ...

POWER TOOLS

TTI (Milwaukee, Ryobi), B&D, Bosch, Jingding, Makita, Hitachi, Panasonic, ...

SECURITY LIGHTING

Legrand, Copper, Kaupfel, Thom Lighting, Chloride Bardic, Channel Safety Systems, ...

PORTABLE PCs

Dell, HPQ, Toshiba, Sony, Lenovo, NEC, Fujitsu, Acer, Apple, ...

DIGITAL CAMERAS

Canon, Sony, Kodak, Olympus, Fujifilm, Nikon, ...

E-BIKES

Yamaha, Aprilia, Mercedes, Honda, 1500 chinese makers, ...

VIDEO GAMES

Nintendo, Sony, ...

TABLETS

Apple, Samsung, Amazone, HP, IBM, ...

CORDLESS PHONES

CCT, Uniden, V Tech, Panasonic, Siemens, HB, Taida, Philips, ...

RC CARS & TOYS

Nikko, Tyco, New Bright, Asahi, Tamiya, Team Associates, Losi, Traxxas, ...

MP3, HDD

Apple, Creative, Reigncom, iriver, Samsung, Aigo, Digital way, Sony, ...

AUTOMOTIVE: HEV, P-HEV&EV

Toyota, Honda, Nissan, Ford, GM, Daimler, Renault, ...

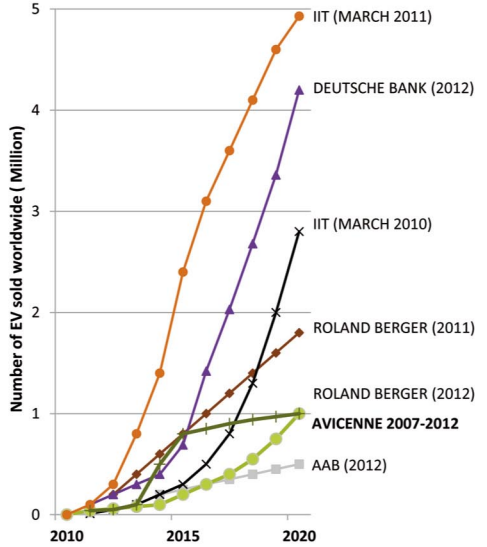
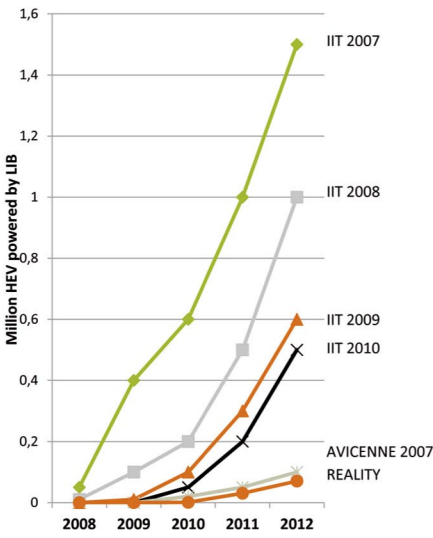
HOUSEHOLD DEVICES

Philips, Electrolux, Siemens, Panasonic, Bosch, ...

AVICENNE ENERGY: RENOWNED TO HAVE REALISTIC FORECASTS

HEV powered by Lithium ion battery forecasts from 2008 to 2012

EV sold, in million units, worldwide, 2010 - 2020



Source: International Battery Conference, Fort Lauderdale 2007, 2008, 2009, 2010, 2011 & 2012

METHODOLOGY



TESTIMONIALS

"I have read the report I received from you late last year and have found it to be very useful for my work. Thank you."

Michele L. Donne, Research Scientist, Delta EMD Australia Pty Limited

"My team and I were really impressed with the level of detail & thoroughness of the report. They have always been very valuable to us»,"

Kristhen Wermuth, Associate Consultant, Bain & Cie Inc, USA

"Your study is very good and beautifully presented. I have seen a few studies over the [18] years and yours is the best I have ever seen for this segment of the market."

Jay BENNETT, Marketing Manager HOLLINGSWORTH & VOSE - USA

"We received your report, and it is very informative for us and will help us to develop our strategy for Europe."

Motohiro Hattori Strategic Planning SONY Japan



ORDER FORM

WORLDWIDE RECHARGEABLE BATTERY MARKET 2013 - 2025 2014 EDITION

PRODUCT OPTIONS

- The Main report only (220 pages)
5900 €
- The main report + 2 modules (tick below)
6900 €
- The Full report with the 14 modules
7900 €

14 DETAILED MODULES AVAILABLE

- Smartphones (70 pages)
- Portable PCs (55 pages)
- Tablets (25 pages)
- Power Tools (40 pages)
- Automotive: HEV, P-HEV & EV (60 pages)
- Digital Camera (45 pages)
- Camcorders (25 pages)
- Portable HDD & Flash music Players
(10 pages)
- Video Games (10 pages)
- Cordless Phones (15 pages)
- Household devices (11 pages)
- E-bikes (50 pages)
- RC Cars & Toys (25 pages)
- Security Lighting (15 pages)

CUSTOMER INFORMATIONS

Name:

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Company:

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Email:

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Address:

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City/Country:

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Tel.:

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DELIVERY OPTIONS

- VIA EMAIL OR BY PDF DOWNLOAD
(without additional charges)
- PAPER VERSION (COLOR)
(+ 500 € additional charges and
delivery included)
- CD-ROM VERSION OR USB
MEMORYSTICK (PDF FORMAT)
(+ 300 € additional charges and
delivery included)

PAYMENT OPTIONS

Total in € (from above)

.....

Purchase order number (if available):

.....

Accounting dept. address

(if different than company address):

.....

PAYMENT

(Please note that you will receive an invoice with your report).

BY CREDIT CARD: VISA /
MASTERCARD

TYPE OF CARD

CARD NUMBER

EXPIRATION DATE

NAME OF THE CARDHOLDER

SECURITY NUMBER (LAST 3 DIGITS ON THE BACK OF
YOUR CARD)

BY BANK TRANSFER

BY CHECK

Date, Signature & Stamp

.....

WARRANTY

YOU ARE NOT SATISFIED WITH OUR REPORT?
JUST SEND IT BACK WITH A LETTER INDICATING
YOUR REASONS AND WE WILL PAY YOU BACK AT ONCE!

REFERENCES

3M, A123, AHLSTROM, AIR LIQUIDE, AIR PRODUCT, ALCATEL, ANDREWS KURTH, APPLIED MATERIALS, ARC, ARKEMA, AROS SECURITIES, ASHLAND, AT KEARNEY, ATL AMPEREX, AUSTRIAN INSTITUTE OF TECHNOLOGY, AXEON, BLACK & DECKER, BAIN, BASF, BATTERY R&D ASSOCIATION OF KOREA, BHP BILLITON, BLP BRAND LICENSING PARTNER, BOOZ, BOSCH, BOURNS, BUHLER, BYD, CABOT, CALL2RECYCLE, CAP-X, CARBONE LORRAINE, CARLYLE, CATELLA, CATERPILLAR, CDN COBALT, CEA, CELGARD, CHEMETALL, CHEMISHE FABRIK BUDENHEIM, CIAPS, CIBA, COGEMA, CONOCO PHILLIPS, CRU GROUP, DARTON COMMODITIES, DCN, DELTA, DGA, DIALOG SEMICONDUCTOR, DOW CHEMICAL, DOW CORNING, DUPONT, DURACELL, EDF, ELECTRO ENERGY, ENER1, ENERGIZER, ENEVATE, EOLITE, EPCOS OHG, ERAMET, ETC AB, FACOM, FAIRSHILD SEMICONDUCTOR, FALCON BRIDGE, FAMEART, FIST, FLORIDIENNE CHIMIE SA, FMC, FLORIDA SEMINAR, FORTU POWER CELL, FRANCE TELECOM, FRAUNHOFER IPA, FRAUNHOFER ISI, FREUDENBERG VLIESTOFFE, FULTON INNOVATION, GAIA, GS MELCOTEC, HC STARCK, HIGH POWER LITHIUM, HILTI, HITACHI MAXELL, HOLLINGSWORTH, HONEYWELL, HUTCHINSON, ICC NEXERGY, IER, IGL EXPORT, INCO, INDUSTRIAL CHEMISTRY RESEARCH INSTITUTE WARSAW, INNOVIA FILMS, INTEK, INTEL, INTERNATIONAL COMPONENT, INTERNATIONAL RECTIFIER, INTERSIL, ISRAEL CONSULTING, ITRI, ITS, JB CONSEIL, JETRO, JOHNSON MATTHEY, JOHNSON CONTROLS, KISTI, KODAK, KRUGER, LAZARD, LECLANCHE, LEGRAND, LG CHEMICAL, LILIPUCIAN, LION CELLS, LITTLE FUSE, LYNAS CORP, MATSUSHITA, MTI MICRO FUEL CELLS, MICROSOFT, MINDBRANCH, MOLTECH, MOLYCORP, MOMENTIVE, MOSAID TECHNOLOGIES, MOTOROLA, MUNSTER UNIVERSITY, NANOCYL, NCCP, NEC, NITECH, NKKPC, NORILSK NICKEL, NOVALED, NTK POWER DEX, OMG INC, PLEXTRONICS, OSKR, PANASONIC, PHILIPS MATSUSHITA, PHOTON, PK & WISE, PUBLIC SYSTEME, POWERGENIX, PRAYON, PRISMARK, RAYOVAC, RECHARGE, RENAULT, RHODIA, ROLAND BERGER, ROSKILL INFORMATION SERVICES LTD, SAFT, SAGENCIA, SAINT GOBAIN, SAKTI, SAMSUNG SDI, SANIK, SCHOTT AG, SCHRODER, SCOTENT ENTERPRISE, SFPZ, SHENZHEN HIGH POWER TECHNOLOGY CO., SKC, SOLVAY, SONY, SQM, STIBAT, STORCK, STRATEGY ANALYSIS, SVE, TERRAROSSA CAPITAL, TIGER GLOBAL, TIMCAL, TODA KOGYO, TOTAL, TOTAL WIRELESS SOLUTION, TOYO, TOYOTA, TROFAN, TYCO, UMICORE, UNIROSS, URALELEMENT, US NAVY, VARTA, VOLTRACK, WACKER CHEMIE, WARBURGPINCUS, WILDCAT, WORLD INDUSTRIAL INFORMATION CENTER, WR GRACE & COMPANY, XGSCIENCES, YASLAMEN, ZEBRA, ZPOWER, ...



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ENERGY

INFORMATION FOR GROWTH

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