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## II. BACKGROUND

In order to scrutinize for the success of battery life several analyses carried out. For instance, researches and interviews are taken over widespread companies. The following hydrolysis is summed up and drawn out.

## III. HISTORY

When was the world's first battery made and what was all about?

Battery in life has been voiced as many thousands years ago.

Here's a description of possible uses, picture and diagram of the so-called "Baghdad Battery", circa 200 B.C. The first battery was created by Alessandro Volta in 1800 and was used for operating telegraphs and doorbells. A team of scientists and engineers from The Big Bang UK Young Scientists & Engineers Fair has created the world's first battery made entirely of Brussels sprouts, which is being used to light an 8 foot Christmas tree. The "Sprout Battery" was launched today on the Southbank, London. Scientists in the UK have created the world's first battery made entirely of Brussels sprouts, and are using the "sprout battery" to power lights for a Christmas tree in London. The special battery uses 1,000 sprouts to generate about 60 volts. Battery was coming to town back to hundreds years ago. Alessandro Volta's voltaic pile was the modern world's first "wet cell battery" and produced a reliable, steady current of electricity. The World's First Stretchable Battery Body, Power Electronic Cigarette was made in China. EKCO (Eric Kirkham Cole) Ltd, made the world's first Portable Television. The set could work off the mains supply or a 12V battery. This set was only made possible by EKCO inventing much smaller valves than ever before

## IV. CONCEPTUAL THEORY

### I. SEVERAL CIRCUMSTANCES ASSERT THE SUCCESS

The industry in China changed a lot from old style ranges. The nowadays industry develop far from we expect such as satellite around the universe. China transact immensely from traditional industry. Even though, the spread out is beneficial to neighboring cities such as Hong Kong, Macau and Japan. "Folk song" beautifies the mood and consequently drill into survive for both work and live. A virgin is prone to tag all over the world. General adoption of G-Powerful Human Battery is ripening the coming decades. The factors account for the Growth of GPHB is abridging herewith. (See Figure 1)



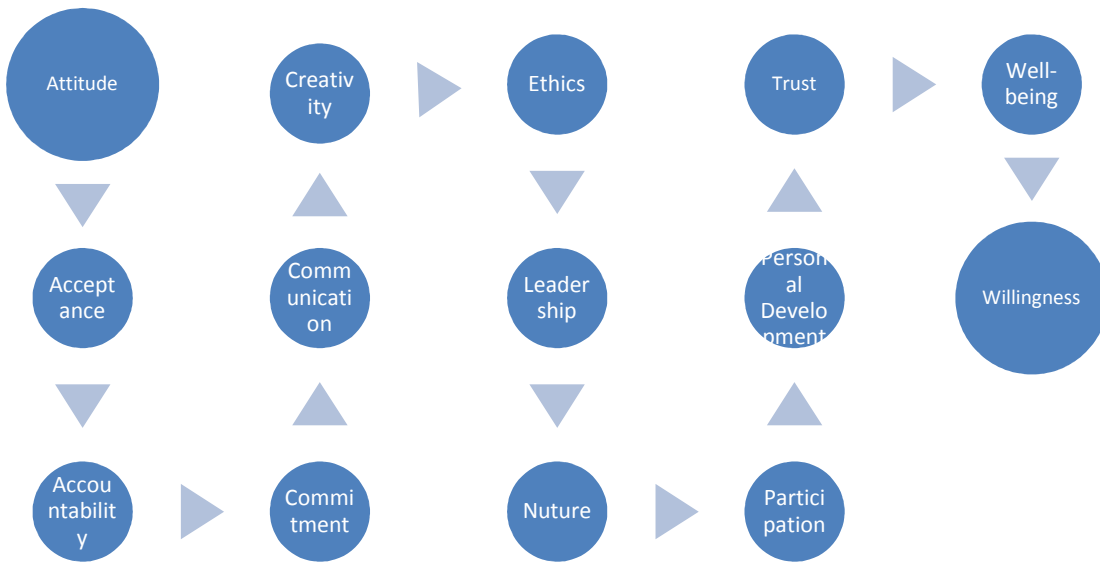


Fig.2. Human Component Factors enhance Global Growth of G-Powerful Human Battery

$$\sum_0^I At + \sum_0^I Ac + \sum_0^I Au + \sum_0^I Co + + \sum_0^I Com + \sum_0^I Le + \sum_0^I Es + \sum_0^I Cr + \sum_0^I Nu + \sum_0^I Pa + \sum_0^I PrDm + \sum_0^I Tr + \sum_0^I We + \sum_0^I Will \geq \sum_0^I Gr(GPB)\}$$

#### V. BEST PRACTICE THEORY

##### Human Component Factors enhance Global Growth of G-Powerful Human Battery

###### **+Attitude**

How to Achieve goal: to time schedule; to going for the goal; to task ability; to focus; to fix it by Problems solving techniques: to good focus on the whole thing; to resolve; to missing detail s; to dig problems out; to sense of urgency

###### **+Acceptance**

Alliance to fight against the nature of the job and acceptance; only look at the end result will be too late; how can you work faster? What do we have to do together? Accept final day and delivery of plants and solve problems and not accept negative from consequences

###### **+Accountability**

Account for the job description and account for the end result and consequences; Whether report to your up and down

###### **+Commitment**

Do not think character for a job, a living not talking about politics, religious; Think good to your family; Will do to meet the goal & timing; Fix the problems & miss the date; Not telling the customers not committed but commit by not doing illegal

###### **+Communication**

Do think the tone of speaking to your audience; speak convincingly and reasonable for meeting the goal & timing, fixing the problems & missing the date

**+Creativity**

Very creative to achieve final goal; new trial to many problems; Understand different people, to act differently, motivate people, creative solutions not just machine leader; Hire new plant; 400 people create wonderful hotel; I will be there if you want people there

**+Ethics**

Something you have or have not; Motivated by love, money, challenge, friendship

**Unscrupulous**

Tell no lies to people; Told my standard are higher; nobody is perfect

**Scrupulous**

Tell lies to people for making business; Gain lots of money

Do the right things for the goodness of business

**+Leadership**

Team of people working with on regular basis

\*understand – suppliers, customers, employees; \*smart; \*confidence; \*reassuring; \*trust; \*respect

**+Nurture**

Reassuring is one of the nurture things to do; to nurture relationship among employees and also customers; Mentor people; Mentoring process is to have smart understanding nurture people to the job

**+Participation**

My personal participation to engineering skills, business skills; Mentoring people on personal participation; Progress on the report where is it? Choose engineering – working on engineering standpoint of view

**+Personal development**

My personal development to engineering skills, business skills; Mentoring people on personal development; Progress on the report where is it? Choose engineering – working on engineering standpoint of view

**+Trust**

Trust reporting up not trust on down; most important to your boss; whoever report to; Trust you what you do; Hold the trust for you not too concerned on down

**+Well-being**

People around you can have well-being; Concentrate on personal thing; Scarify things; Like people around me; Pleasant atmosphere; Happy atmosphere around me; Make fun with people; Not get stressful normal not so stressful, not fluctuate on blood pressure

**+Willingness**

Too willing beyond the normal working hours; some people feel how serious beyond the normal working hours; internal struggle; Personally willing to do things; I am going to do on Sundays; Take advantage of your willing; Willing to accept things; Certainly to convince people to do things; The plan where same equipment, sources and energy, building material;

Look at people where it is; Growths, human are different; Growth – organic; Build; Buy inorganic

**Global G-Powerful Human Battery: Analytical elements s with human components mainly get inv**

olved

### 1. Awareness of Green

Human Batteries are concurrently to give us the particular GREEN mission. Definite long life and scarce resources are the variables factors in Human Batteries. Even Human Batteries urge the limited scarce resources. Some are fitting pose but others not. First of all it is to cite the resources within the levels of industry: At the Individual level, corporate level and international level. Several levels might sultry for limited resources. Some have pros and others having cons.

**Human Component Factors squeeze d: \*Acceptance** - Alliance to fight against the nature of the job and acceptance; only look at the end result will be late; How can you be faster? What do we have to do together? Accept final day and plant and problems; not accept negative from consequences

**\*Accountability** – Account for the nature of the job and only look at the end result.

### 2. Education Effects

Education laid a gracious virtue on the Human Batteries flourish. Human Batteries are an organic set of crop with start and finish origin with specific schedule, cost and performance parameters. Planning and control are elementary stages. Success is due to lack of malfunction, good plans and desirable control. Education on Resources, time zone and humans are all formed the strategy of the planning. Industry has faith in itself is closely related to regulate and force industry cycle to reward the perspectives.

To address concerns about inclusive industry, nurture faith in the possibility of inclusion, and impart a sense of its great rewards. Education Effects are the paramount tier of the Appraisal of Global G-Powerful Human Battery (See Figure 3).

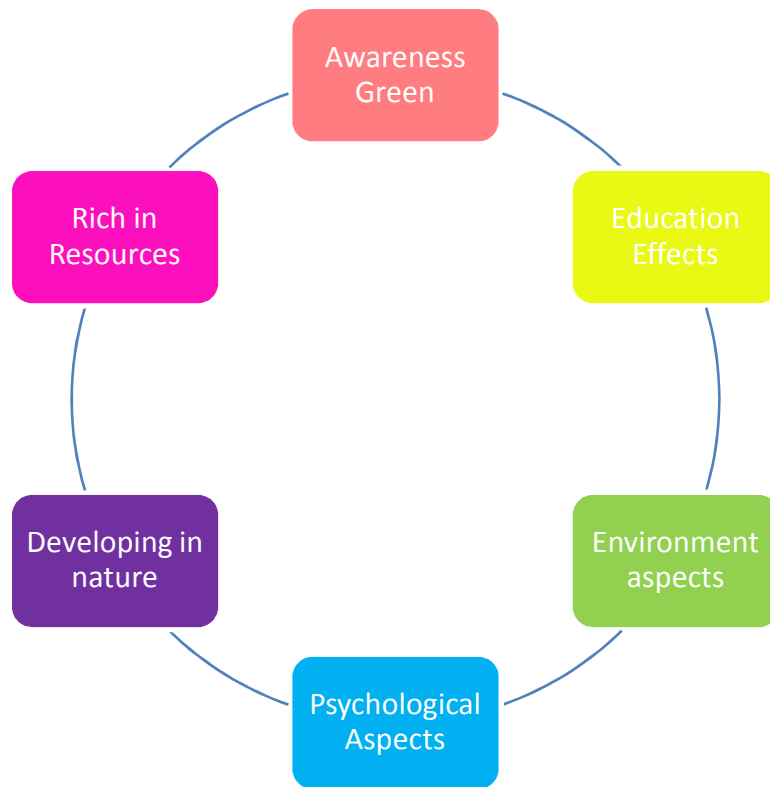


Fig. 3.

Stages of the Appraisal of Global G-Powerful Human Battery

**Human Component Factors squeeze d:**

**\*Commitment** - Do not think character for a job, a living not talking about politics, religious; Think good to your family; Will do to meet the goal & timing; Fix the problems & miss the date; Not telling the customers not committed but commit by not doing illegal

**\*Communication** - Do think logically and convincing in tone not talking about politics, religious; do good for meeting the goal & timing; Fix the problems & miss the date

**3. Environment aspects**

Human Batteries are complicated with its time constraints. Achievement of Human Batteries demands very much on one the competence to work on the Human Batteries on time. "Low prices Human Batteries bit the bid" is common phenomenon in our Human Batteries mode.

An Inclusion Workshop overview introduces inclusion to Human Batteries for educators, and communities. The presentation creates a basis for understanding individual and group dynamics. It demonstrates ways of analyzing a problem, mapping out the desired result, and finding ways to achieve that goal. Fantastic Workshop offers a set of effective tools and strategies for fostering an inclusive environment.

Structure shift for private Building G-Powerful Human Battery is everywhere in Mainland China. This is also applicable to Hong Kong as well. Hong Kong should reshapes its own character and put the industrial awareness into building industry culture. The very good examples are the G-Powerful Human Battery platform, e-Battery dictionary and e-Battery work and more.

The nowadays industry for the Human Batteries are encouraged to accustom the e-products.

Diversification is contemporary approach for the building e-production so as to compete in the industry. Hong Kong is in famous link between China and Europe as its oriental international industry. Let the nowadays industry rule over among the major stinging industry share. G-Powerful Human Battery is the prosperous fore step nowadays industry.

**Human Component Factors squeeze d:**

**\*Creativity** - Very creative to achieve final goal, many problems; understand different people, to act differently, motivate people, creative solutions not just machine leader; Hire new plant; 400 people create wonderful hotel; I will be there if you want people there

The following advocates the Achievement to Industry Efficiency & Intelligence.

**Structure shift for public** The slogan quoted "G-Powerful Human Battery industry into a maiden leaf GPHB is the wise in the control of old-waste products. New style is therefore adapted to eat up the old and stubborn in the learning sea. The better is the industry, the better our ambidexterity. Good Industry is at its GPHB for pleasure and lives and work.

Industrial awareness, political concern and general public urge the G-Powerful Human Battery approach a new success. Our higher industry, controlling the resources and reduction of losses all count on GPHB. The Building G-Powerful Human Battery is the works examples in life (See Figure 4).

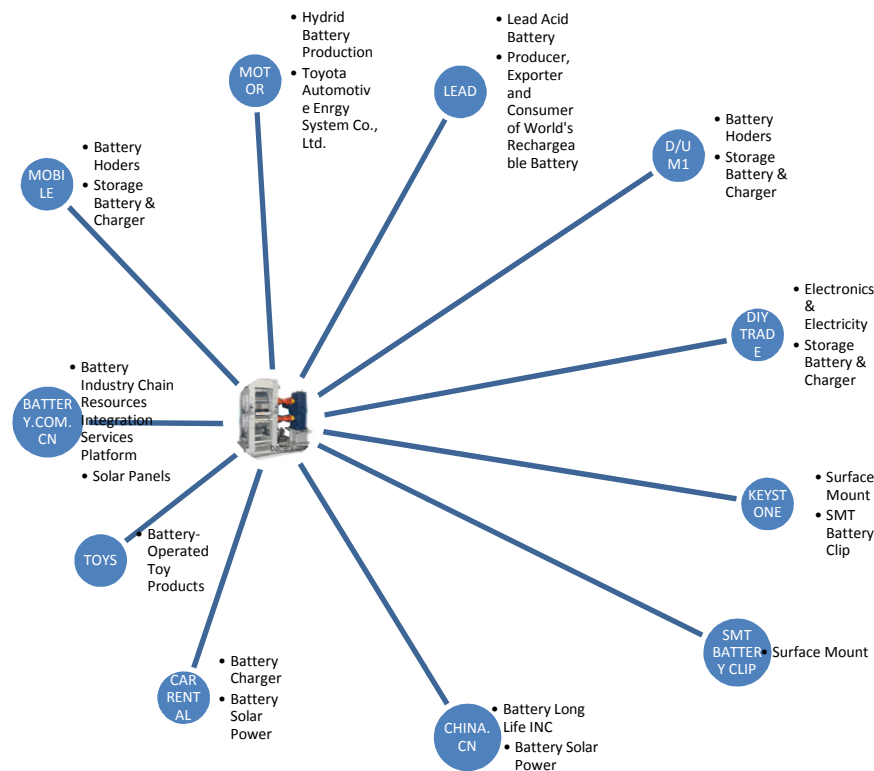


Fig.4. Examples of Global G-Powerful Human Battery

**4. Innovative Effects**

Human Batteries in the Century: New Hardening to New coinage. This forte will explore five areas that are critical to be effective. These areas are the vital connection between relationships and achievement,



strategies that take advantage of multiple-intelligences theory, approaches to character industry, strategies to deal with increased hyperactivity, and learning Human Batteries that develop self-management skills. It is important how to successfully teach previously been labeled as "unreachable," and gain valuable new skills that will help one build up, and also are continually hyperactive in our industry.

#### **5. A controversial issue Pointing the way with fuel-cell drive**

*(Zhao Tian -show with a device showing off his more-efficient fuel cells-SING TAO-Qi Luo)*

A Hong Kong University of Science and Technology scientist claims his team has made fuel cells four to six times more efficient than current devices. Zhao Tian-shou, chair professor in the Department of Mechanical and Aerospace Engineering, said the research results could be applied to some industries in seven to eight years. "It paves the way to further develop fuel cells as a clean, efficient and sustainable energy production technology, which can be widely, used in mobile phones, computers, automobiles, buildings, submarines, power plants and the military," he said.

Using direct methanol and ethanol fuel cells to power a car or a phone under the framework would be faster, cheaper, cleaner and more efficient. He and his team improved the efficiency of fuel cells during experiments because they found a way to achieve synergy of the physical and chemical reaction. Unlike a battery, a fuel cell is a device that converts chemical energy from fuel into electricity. Hydrogen is the most common fuel while hydrocarbons such as natural gas and alcohols like methanol are used in some industries. Ethanol is an alternative to methanol, which is less toxic and can be obtained in large amounts through fermentation from wheat, corn, sugar cane or straw.

#### **6. Psychological Aspects**

Esteem needs arouse from humans according to Needs triangle. G- Powerful Battery is our brand. Scope Management is the importance of mission and value of separating the major Human Batteries components into lesser units. Human Batteries can be described in producing to Work Breakdown Structure that shows all the units of work that must be accounted for once completion of the Human Batteries. Value of the Work Breakdown Structure is a basis for planning, budgeting, financial control, defining the organization and assigning responsibilities.

#### ***Human Component Factors squeeze d:***

**\*Ethics** - Something you have or have not; motivate by love, money, challenge, friendship, **Unscrupulous:** Tell no lies to people, told my standard are higher; nobody is perfect **Scrupulous:** Tell lies to people for making business; Gain lots of money; Do the right things for the goodness of business

#### **7. Geological Aspects**

Mainland China is a gist of Human Batteries cycle in Human Batteries management around the world.

Buying outsources and their corresponding sources that greatly acknowledgment the activities enhancement. Once finish, one start is not a hand-on issue. It is rather than a complicated process.

#### **Human Batteries Support**

The Human Batteries Support training model and materials are designed for early inclusion support specialists and developed to achieve successful inclusion experiences for t h e

young particularly those whose special needs are complex and challenging.

**Human Component Factors squeeze d:**

**\*Leadership** - Team of people working with on regular basis:

Understand – suppliers, customers, employees; smart; confidence; reassuring; trust; respect

**\*Nurture**-Reassuring is one of the nurture things to do; to nurture relationship among employees and also customers; Mentor people; Mentoring process is to have smart understanding nurture people to the job

**\*Personal development** - My personal development to engineering skills, business skills

Mentoring people on personal development; Progress on the report where is it? Choose engineering – working on engineering standpoint of view

**8. Developing in nature**

Developing, planning and estimation in the Human Batteries are relying very much on the resources and activities at hand. It is essential to evaluate the cost and resources beforehand, scheduling of activities and the overall cost. Human Batteries are the consequences of the Human Batteries outcomes.

**Human Component Factors squeeze d:**

**\*Leadership**-Team of people working with on regular basis

#understand – suppliers, customers, employees; smart; confidence; reassuring; trust; respect

**\*Nurture**-Reassuring is one of the nurture things to do; to nurture relationship among employees and also customers; Mentor people; Mentoring process is to have smart understanding nurture people to the job

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**\*Trust**

Trust reporting up not trust on down; most important to your boss; whoever report to; Trust you what you do; Hold the trust for you not too concerned on down

**\*Well-being**

People around you can have well-being; Concentrate on personal thing; Scarify things; Like people around me; Pleasant atmosphere; happy atmosphere around me; Make fun with people; Not get stressful normal not so stressful, not fluctuate on blood pressure

**\*Willingness**

Too willing beyond the normal working hours; some people feel how serious beyond the normal working hours; Internal struggle; personally willing to do things; I am going to do on Sundays; Take advantage of your willing; Willing to accept things; Certainly to convince people to do things; The plan where same equipment, sources and energy, building material; Look at people where it is; Growths, human are different; Growth – organic; Build and Buy inorganic

**9. Rich in Natural Resources**

Mainland China has plenty of resources. When industry is fragmented into parts that powerful alike as dissociated, little of quality is done, few of the deep, long-term ends of industry are well served. Reasoning, critical thinking, creativity, problem solving, communication, mastering content - these are not unrelated dimensions of quality industry. They are six deeply interwoven, deeply interdependent processes, fostered by the same modes. In inter-connections, relating them to particular processes and strategies.

**Human Component Factors squeeze d:**

**\*Nurture**-Reassuring is one of the nurture things to do; To nurture relationship among employees and also customers; Mentor people; Mentoring process is to have smart understanding nurture people to the job

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**A. Studies - GPHB**

In this study research and interviews over certain managing directors from the remarkable companies around the world. There will be a saving if everything go better fall in the right pathway.

The green materials should be planned ahead such reuse, recycling and refill tin order to avoid the industry loss. The on-site trainers should attend the training course necessary for G-Powerful Human Battery consumption in nowadays industry of industry. The contractors should bear in mind that G-Powerful Human Battery is the first hand solving instead of the profitability. We should maintain our G-Powerful Human Battery in our workplace and work it out in practice.

G-Powerful Human Battery team should set up to supervisor the more appropriate use of e-material and products. G-Powerful Human Battery Management is a long-term planning we should devote more time in designing the subjects occasionally in the three main scopes namely Design Stage, Nowadays industry and own tongue components. Though there are many contingent factors to hinder our way such as political concerns, human psychology, social ethics, and the surroundings, pirate pace rule over finally. Feedback, decision-making, inspection, testing, sampling G-Powerful Human Battery

control, production, previewing, and the instruction control all count on the coexistence among the mselves.

Hong Kong face more or the less the situation as in Mainland China. New Era is up the peak and the severe weather we count on. Major problems in G-Powerful Human Battery work on the first hand, communication skills and know ledges are the key strategy of sustainable developmen t towards the G-Powerful Human Battery approach laid down by Government. The leaflet hand in b etween the parties concerned G-Powerful Human Battery management is not established well among the industry is the problems. The equipment, e-technology and e-process are to be accomplished t owards the goals of G-Powerful Human Battery management. Failure is the consequences the founda tion of miserable GPHB SKELETON for Achievement to Industry Efficiency & Intelligence (See Figure 5).

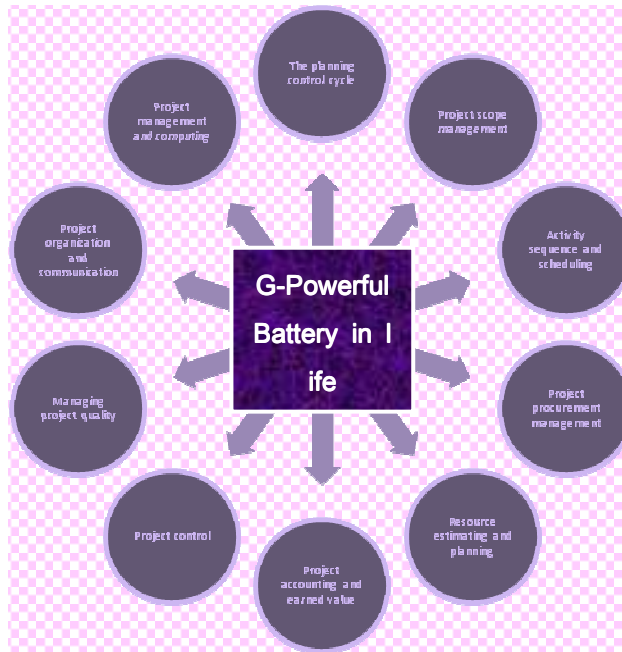


Fig.5.Achievement to Industry Efficiency &Intelligence

**B. Benefits of GPHBs**

To the countries:

- The potential reduction in the quantities of wastes
- The potential reduction in downtime and associated costs
- Demonstration of legal and regulatory compliance
- Demonstration to stakeholders of your commitment to health and safety of our child
- Demonstration of an innovative and forward thinking approach
- Increased access to new schoolboys and industry partners

- Better management of health and safety risks of workers, now and in the future
- Potential reduced public liability insurance costs

### C. Findings and Controversial Issues

**Findings:** G-Powerful Human Battery Management on overview in Asia and worldwide; Essential of GPHB expansion in Asia and worldwide Original G-Powerful Human Battery manufacturing (GPHB) demand to build finished products in the once of the lowest total cost regions in the world; Large number of components suppliers makes use of China as a logical choice in close proximity to GPHB foundation. Induce GPHB competitors in China and worldwide.

According to a 2005 estimate, the worldwide battery industry generates US\$48 billion in sales each year, with 6% annual growth. Human Batteries have much lower specific energy:

G-Powerful Human Battery Plan adopted all over the world relatively to Change:

**China Battery**( MIIT think tank expects China's lithium- 2014/01/15 23:24

...battery will grow 200 percent this year, being the growth engine of the whole lithium ion battery industry, the report...

Battery Industry in China - Electronics Industry Market Research and Knowledge Network

([www.electronics.ca/store/battery-industry-in-china.html](http://www.electronics.ca/store/battery-industry-in-china.html)) It presents historical demand data and forecasts for 2016 and 2021 by primary battery type, secondary battery type, primary battery market and secondary battery market.)

**Australia Battery**([www.just-auto.com/market-research/battery-manufacturing-in-...](http://www.just-auto.com/market-research/battery-manufacturing-in-...) This Industry Risk Ratings report from IBIS World evaluates the inherent risks associated with the Battery Manufacturing in Australia industry. Industry Risk is assumed to be 'the difficulty, or otherwise, of the business operating environment'. Australia Industry Battery, Australia Industry Battery Products, Manufacturers and Suppliers on Alibaba.com

([www.alibaba.com/countrysearch/AU/industry-battery.html](http://www.alibaba.com/countrysearch/AU/industry-battery.html))Australia Industry Battery, Australia Industry Battery Suppliers and Manufacturers Directory - Source a Large Selection of Industry Battery Products at Storage Human Batteries, Primary & Dry Human Batteries from Australia Alibaba.com ... Haven't found the right supplier yet ? ...)

**South Korean** (Lithium-ion Battery Industry: China, Japan and South Korea Take One Third of the World([battery.ezinemark.com/lithium-ion-battery-industry-china-japan-and](http://battery.ezinemark.com/lithium-ion-battery-industry-china-japan-and))The world's lithium-ion battery industry over the past few years development modes the basic shape of the pattern of Japan and South Korea third of the world. China, South Korea, Japan, in lithium-ion battery market competition can be said to be distinctive, one-third of the world largest in the world.)

**Germany** (German has done very well in industry. Car Human Batteries in Germany : Industry Profile. Market Research Report([www.reportbuyer.com/automotive/components/car\\_Human\\_Batteries\\_germany.html](http://www.reportbuyer.com/automotive/components/car_Human_Batteries_germany.html))Car Human Batteries in Germany, Industry Profile: , published March 2010, pages 38, 300... ... Data monitor's Car Human Batteries in Germany industry profile is an essential resource for

top-level data and analysis covering the Car Human Batteries industry.

**Europe Sales Manager Needed – Battery Industry: Account Management jobs in Germany**([jobs.justlanded.com/.../Europe-Sales-Manager-Needed-Battery-Industry](http://jobs.justlanded.com/.../Europe-Sales-Manager-Needed-Battery-Industry))**Europe Sales Manager Needed – Battery Industry** This position, we need someone with working experience in battery industry, or working experience in OEM provider in Electric tools, Vacuum cleaner or... .. Latest ads in Account Management in Germany)

**Britain (Battery Recycling, Disposal & Collection of Used Waste Human Batteries | WasteCare**([www.wastecare.co.uk/recycling-collection/battery-recycling-disposal](http://www.wastecare.co.uk/recycling-collection/battery-recycling-disposal))**Battery Back** is Britain's favorite battery compliance scheme. Duracell, Phillips, Varta, Asda, Morrisons, Tesco and Waitrose are all members of Battery Back. **OSN Power Tech Co., Ltd - DIYTrade.com Free Website**([osnpowerlifepo4.diytrade.com](http://osnpowerlifepo4.diytrade.com))Our main products--LiFePO4 power Human Batteries are in the leading position in the power battery industry. ... We received ISO9001:2000 international approval from BSI in Britain. Also we have passed the evaluations of CE and UL. **Electricity in Britain - Museum of Science and Industry** ([www.mosi.org.uk/media/33871840/electricityinbritain.pdf](http://www.mosi.org.uk/media/33871840/electricityinbritain.pdf))... The first battery capable of producing high electric currents. 1808 The English chemist Humphrey Davy demonstrated a carbon arc lamp, the first type of electric lamp. 1820 The Danish scientist Hans Christian Oersted found that a needle suspended from...**Britain's largest stockist of all types of Human Batteries**([www.bblHumanBatteries.co.uk](http://www.bblHumanBatteries.co.uk))We have a huge range of Human Batteries for all applications. We have Branches in Bristol, Swindon, Exeter, Truro and Plymouth. ... This has led to dramatic advances in the battery industry with new products being developed offering longer life and faster recharging...)

**Canada (Battery Manufacturing in Canada Industry Market Research Report Now Available from IBISWorld**([www.prweb.com/releases/2013/8/prweb11025206.htm](http://www.prweb.com/releases/2013/8/prweb11025206.htm))**Battery Manufacturing in Canada Industry Market Research Report Now Available from IBIS World** As domestic and foreign economies continue to rebound in the next five years, downstream demand for battery manufacturing is expected to pick back up, and as...**Battery Industry: Market Research Reports, Statistics and Analysis**([www.reportlinker.com/ci01339/Battery.html](http://www.reportlinker.com/ci01339/Battery.html))Find the latest market research reports about the Battery Industry: Market Research Reports, Statistics and Analysis, Sector Overview, Business Opportunities, Price Trends and Company Profiles. All in one place! ... Global Battery Industry Global battery...**Battery Manufacturing in Canada Industry Market Research Report Now Available from IBISWorld - Watch List News**([www.watchlistnews.com/2013/08/14/battery-manufacturing-in-canada...](http://www.watchlistnews.com/2013/08/14/battery-manufacturing-in-canada...))Over the five years to 2013, the Battery Manufacturing industry experienced steep declines in revenue due to recessionary drops in demand. However, as the economy recovers, this industry is expected to rebound in the coming years.

**Hong Kong** (Human Batteries industry in Hong Kong **Hong Kong Hi-watt Battery Industry Co., Ltd.**([www.hi-watt.com.hk](http://www.hi-watt.com.hk))**More Hi-Watt Battery Industry Co Ltd ("Hi-Watt")** was established in December 1985 in Hong Kong. It is a subsidiary company wholly owned by Guangzhou Light Industry & Trade Group Limited and one of the largest battery manufacturers in Hong Kong. Hi ... Remco Ltd. had been established since 1995 which was one of the leading manufacturing company of Rechargeable Valve...**Hi-Watt Battery Industry Co Ltd - Company Home - Hong Kong Exporter**([www.hktdc.com/manufacturers-suppliers/](http://www.hktdc.com/manufacturers-suppliers/))

Hi-Watt-Battery-Industry-Co...)Hi-Watt Battery Industry Co Ltd is an Exporter from Hong Kong, with products under the category of Computer & Peripherals, Electronics & Electrical Appliances, and Photographic Equipment. ([www.hktdc.com/fair/exdetail/hkelectronicsfairae-tc/1X6CKO6U](http://www.hktdc.com/fair/exdetail/hkelectronicsfairae-tc/1X6CKO6U))[ATC Human Batteries Industry Co Ltd - sales@atcbattery.com - Hong Kong Business Directory](http://www.hongkong.mingluji.com/ATC_Human_Batteries_Industry_Co_Ltd)hongkong.mingluji.com/ATC\_Human Batteries\_Industry\_Co\_LtdATC Human Batteries Industry Co Ltd is a Hong Kong company, its business is about Consumer Electronics (Misc); Dry Cell (Excl Green Cell), The Chinese Battery Industry: The Truth behind the Charge[www.globalmon.org.hk/.../2012/10/chinese-battery-industry-final.pdf](http://www.globalmon.org.hk/.../2012/10/chinese-battery-industry-final.pdf)The migration of battery production, from Hong Kong to the mainland, was driven primarily by a ready source of cheap labor and a tendency from provincial governments to usher in foreign)

**Japan (the Battery Industry in 2015)**([www.nikkeibp.com/cti/bat2015e](http://www.nikkeibp.com/cti/bat2015e))... Uncovering the future of the battery industry by analyzing 7 key companies, including Panasonic (Japan, formerly Sanyo Electric Company), LG Chem (Korea), and BYD ...The world's lithium-ion battery industry over the past few years development fosters the basic shape of the pattern of Japan and South Korea third of the world. China, South Korea, Japan, in lithium-ion battery market competition can be said to be distinctive, one-third of the world's largest Human Batteries industries.[www.indmin.com/Article/3291598/Japans-battery-industry-recharges](http://www.indmin.com/Article/3291598/Japans-battery-industry-recharges)...Imports of key raw materials into Japan rose towards the end of 2013 as the country geared up for an increase in battery production for the New Year. Imports of key raw materials into Japan rose towards the end of 2013 as the country geared up for an increase in battery production for the New Year)

**South Africa (South Africa Alkaline Human Batteries Industry, South Africa Alkaline Human Batteries Industry Products, Manufacturers and Suppliers on Alibaba.com)**([www.alibaba.com/countrysearch/ZA/alkaline-Human Batteries-industry.html](http://www.alibaba.com/countrysearch/ZA/alkaline-Human_Batteries-industry.html))South Africa Alkaline Human Batteries Industry, South Africa Alkaline Human Batteries Industry Suppliers and Manufacturers Directory - Source a Large Selection of Alkaline Human Batteries Industry Products at Storage Human Batteries, Auto Human Batteries from South Africa Alibaba.com

**Taiwan**([news.cens.com/cens/html/en/news/news\\_inner\\_32032.html](http://news.cens.com/cens/html/en/news/news_inner_32032.html))"The global EV industry is beginning to boom, and companies all over the world are intensively collecting both laboratory and road test data to improve their EVs," Lee comments. ...

**Portugal**([www.technologyreview.com/news/412069/stimulus-big-winner-battery](http://www.technologyreview.com/news/412069/stimulus-big-winner-battery))Portugal España United States Uruguay Mainland China More Ways to Connect Discover one of our 28 local entrepreneurial communities ... Battery manufacturing is largely automated, so labor costs are not much of a concern, he says. Rather, the battery industry.

**Denmark** is a state in the Scandinavia of Northern Europe with two autonomous constituent countries in the north Atlantic Ocean, the Faroe Islands and Greenland.Battery Industry: Market Research Reports, Statistics and Analysis([www.reportlinker.com/ci01339/Battery.html](http://www.reportlinker.com/ci01339/Battery.html))

**Switzerland** is a landlocked country geographically divided between the Alps, the Swiss Plateau and the Jura, spanning an area of 41,285 km<sup>2</sup> (15,940 sq mi). While the Alps occupy the greater part of the territory,

the Swiss population of approximately 8 million people is concentrated mostly on the Plateau, where the largest cities are to be found. Among them are the two global cities and economic centre - Zurich and Geneva. Switzerland is one of the richest countries in the world Zurich and Geneva has respectively been ranked as the cities with the second and eighth highest quality of life in the world. It has the world's nineteenth largest economy by nominal GDP and the thirty-sixth largest by purchasing power parity. It is the twentieth largest exporter and eighteenth largest importer of goods. Switzerland contains German, French, Italian and Romansh. The strong sense of belonging to the country is founded on the common historical background, shared values (federalism and direct democracy) and Alpine symbolism. The establishment of the Swiss Confederation is traditionally dated to 1 August 1291; Swiss National Day is celebrated on the anniversary ([www.renatex.com](http://www.renatex.com))Renatex is the primary distributor for Swiss made Renatex Human Batteries in the UK and Ireland with a partnership spanning over 25 years. ... Lithium and alkaline Human Batteries. Renate's on-going association with the prestigious Swiss watch industry adds to its renowned A...**Advanced Human Batteries for Portable Power Will Surpass \$12.4 Billion in Annual Sales by 2023, Forecasts Navigant Research**([www.4-traders.com/news/Advanced-Human-Batteries-for-Portable-Power-Will...](http://www.4-traders.com/news/Advanced-Human-Batteries-for-Portable-Power-Will...))The report, "Advanced Human Batteries for Portable Power Applications," examines the advanced battery industry for portable devices. It sizes the global market and provides a 10-year forecast of advanced Human Batteries (rechargeable Human Batteries only) for portable ...**How to Replace Human Batteries in Victorinox Swiss Army Midnite Managers**([www.ehow.com/how\\_8357443\\_replace-swiss-army-midnite-managers.html](http://www.ehow.com/how_8357443_replace-swiss-army-midnite-managers.html))As one of the leaders in the computer industry, Dell laptops are among the most used in the world.

**Controversial Issues:** It is to gain an overall view of the situation comprising of nearly Zero-Industry-Buildings losses, skills, deficiencies, green skills. The development of Net or Nearly Zero Industry Building (NZEB) definitions and the implication for regulatory reform Regulatory frameworks for Industry efficient buildings Affordable solutions in sustainability for new building industry developments such as innovative Human Batteries materials and methods to improve sustainability Skills to implement successful collaborative and multidisciplinary industry for battery design, engineering, building and nowadays industry

G-Powerful Human Battery is to prevent industry loss and wasted protection. It is the better use of limited resource. The Industrial system in nowadays industry is the control of its availability of the goods and products simultaneously keep the standard in utmost condition. Maintaining Industry Management in high standard is our human phenomenon. The goal is the minimal cost in handling goods and products simultaneously keep the standard in utmost condition. The implementation of GPHB is through trial and fault that we learn finally the success. Success is the mother of failure. It is what the GPHB about.

#### *D. Targets of the Research*

What we achieve as follows:

- Investigate the objectives of GPHB and the development of GPHB to the international growth in nowadays industry
- Forecast the characters of clients, engineers, architects, and main contractors have insights towards



the GPHB in nowadays industry works, and

- View the spectacular requirements for the building Human Batteries

#### *E. Study Methodologies*

The studies of this methodology are analysis as follows:

1. GPHB Plans drives to nowadays industry Human Batteries as necessity made either the technical and contractual skeleton of the nowadays industry
2. GPHB Plan uplifts the G-Powerful Human Battery of nowadays industry Human Batteries contractually.
3. By virtue of the special nature of the nowadays industry, there is no necessity to adopt a 'Whole G-Powerful Human Battery' approach in all nowadays Human Batteries industry

#### *F. Factors affecting Building G-Powerful Human Battery nowadays industry*

*Understand and list the distinguishing characteristics of Human Batteries*

- *Define the term Human Batteries Management*
- *Understand and state the important factors of a Human Batteries' context*
- *Recognize the relevance of the Battery in life Body of Knowledge*
- *Understand and apply the concept of the Battery in life cycle.*

It is the intention to target the works to cost and schedule rather than the G-Powerful Human Battery in nowadays industry. Communication and hence the cooperation problems among the parties exist. One sends, one receives make doubts. The consequences affect human beings and the works affect the Human Batteries life. Works for e-process have extended the real facts for learning period. The setting up of a G-Powerful Human Battery is difficult. The misused green materials add up the disadvantages and not up to standard laid down by Industry Authority.

#### *G. Discussion*

In this study research G-Powerful Human Battery is the first hand solving. We should maintain our G-Powerful Human Battery in our workplace and work it out in practice. G-Powerful Human Battery team should set up to supervisor the more appropriate use of e-material and products. G-Powerful Human Battery Management is a long-term planning we should devote more time in designing the subjects occasionally in the three main scopes namely Design Stage, Nowadays industry and own tongue components. Though there are many contingent factors to hinder our way such as political concerns, human psychology, social ethics, and the surroundings, pirate pace rule over finally. Feedback, decision-making, inspection, testing, sampling G-Powerful Human Battery control, production, pre-casting, and the instruction control all count on the coexistence among themselves.

Hong Kong face more or the less the situation as in Mainland China. New Era is up the peak and the severe

weather we count on. Major problems in G-Powerful Human Battery work on the first hand, communication skills and know ledges are the key strategy of sustainable development towards the G-Powerful Human Battery approach laid down by Government. The leaflet hand in between the parties concerned G-Powerful Human Battery management is not established well among the industry is the problems. On the second hand, the laws and regulations are malfunctioned. G-Powerful Human Battery, have been directed as a whole in the country adopting the design codes of building G-Powerful Human Battery. Design codes and practice are published on the vellum only not in force. On the third hand, though the "China G-Powerful Human Battery Law" was trumpeted and also activated in 1998. Non-government intervention is a fiscal policy let the market walk in their way. The chisel is not clearly rehearsed in every walk of life. Fourthly, the industry publication such as the mass media the TV tend to bring out green cycling is good. However, in reality the on-site workers, contractors and consultants not accustomed and easily fake out. More, the platform is too lack in G-Powerful Human Battery management and far from exercising. The e-equipment, e-technology and e-process are not accomplished towards the goals of G-Powerful Human Battery management. Failure is the consequences the foundation of miserable GPHB SKELETON.

Planning, implementing and controlling Human Batteries are the core activities to the Human Batteries in the organization. Namely, how it is carried out, how to complete, how to communicate with people involved. All these explain for the great compliance of the Human Batteries

Human Batteries in The Inclusive: Instructional Strategies for All Practical strategies are there to maximize learning for all, including those with special needs. Inclusive Human Batteries techniques first hand with video visits to classrooms are where teachers are successfully educating both general and special industry employees. Course learning activities will teach you how to design and implement curriculum modifications and activity adaptations based on the strengths and needs of your employees. Remedial methods, instructional techniques and assistive technology are the main tools to effective and efficient learning of one style industry employees. The option of Industry culture in the life cycle is a continuous process and cultivation practice is our major issue. It is that Enlightening policies such as to label the slogans competition in school and guiding our ideas and minds on the right track on the G-Powerful Human Battery. Once uses the Industrial friendly G-Powerful Human Battery components in the authorized institution is our first step.

## I. CONCLUSION

GPHB is a relatively new concept in China and Hong Kong, there are at present no courses available to train teachers, industry staff, and chief executive officers in the techniques of implementing G-Powerful Human Battery Plans in the nowadays industry of industry. This is one area, which the industry of nowadays in China and Hong Kong should address urgently. In the training programmers, some of the potential problems, as noted in this paper, which are likely to arise during the implementation of GPHB Plans in the nowadays industry of industry, must be highlighted.

This will help to building industry will function in the manner intended to achieve G-Powerful Human Battery effectively all around the world. The methodology is to quicken the aim of G-Powerful Human Battery we should raise up the standards and specification in our countries relatively with the prey and hasten our Government laid down laws and regulations on the G-Powerful Human Battery a starting stone. Fine and impose punishment on those who exhaust the Industry wrongly. One puts on G-Powerful Human Battery technology policy on contour much easy for educators. G-Powerful Human Battery highlights through the mass media deliver the message on Industry consumption information, G-Powerful Human Battery technology, and processing and e-equipment development in the school place. The mechanism on the supervision of the Industry control on site and accomplish our purpose of G-Powerful Human Battery by volume of publications, TV, radio and newspapers. Competition on G-Powerful Human Battery is also helpful in our industries compared with overseas. Tailor-made courses for G-Powerful Human Battery should be provided to the educators and people involved in nowadays industry. G-Powerful Human Battery management should be initiated in primary stages in the technical institute and vocation industry.

The European Union is setting stringent targets for Industry efficiency-in very specific targets to be finished by 2050. There is an acknowledgement that Industry has a long lifespan (and long intervals between significant refurbishments). Significant change needs to be implemented in the very near future to cast on long term goals.

Europeans have strong sense of urgency and commitment to tackling the condition and throughout Europe there are a variety of concepts and voluntary standards for Industry effectiveness and efficiency of buildings.

Simultaneously, G-Powerful Human Battery is a long-term strategic guideline in China own economic and social development. It is urgently that the GPHB has therefore commutated the plan of G-Powerful Human Battery, which aims to pushing the whole society towards G-Powerful Human Battery and Industry intensity reduction, to removing Industry bottlenecks, to building a G-Powerful Human Battery society, and to promoting a sustainable social and economic development. The objective of building a society that is seeing each side in every aspect. The programming period is divided into the Eleventh Five Years Plan period running to 2010 and the period from 2010 to 2020. The G-Powerful Human Battery objectives and the focus of development by 2010 are implemented whereas the objectives stated for 2020 are proposed. The Plan is as follows: key areas and key G-Powerful Human Battery Human Batteries; implementation measures; the current situation in respect of Industry utilization in China; tasks for Industry; the way forward for G-Powerful Human Battery, principles and objectives.

There are hundreds of G-Powerful Human Battery services (GPHB) companies in China and worldwide including both multi-national and domestic industries. However, this research only focus on couple world-wide largest G-Powerful Human Battery Management services provides engaged with China's operations. Finally, the study sequences should be performed on order to achieve Industry efficiency & intelligence .G-Powerful Human Battery is Building G-Powerful Human Battery Intelligence.

### [References RéférencesReferencias](#)

Energy Conservation in Industry: Engines and Human Batteries - Google BooksChina Lead-acid Storage Battery Industry Report, 2010 - Bharat Book

<http://www.battery.ezinemark.com/lithium-ion-battery-industry-china-japan-and>

[http://www.reportbuyer.com/automotive/components/car\\_Human Batteries\\_germany.html](http://www.reportbuyer.com/automotive/components/car_Human Batteries_germany.html)

<http://www.wastecare.co.uk/recycling-collection/battery-recycling-disposal>

<http://www.prweb.com/releases/2013/8/prweb11025206.htm>

<http://www.nikkeibp.com/cti/bat2015e>

<http://www.alibaba.com/countrysearch/ZA/alkaline-Human Batteries-industry.html>

<http://www.bestmag.co.uk/industry-news/redt-installs-flow-battery-system-portuga>

<http://www.reportlinker.com/ci01339/Battery.html>

<http://www.reportlinker.com/ci01339/Battery.html>

<http://www.reportlinker.com/p097934/The-Rechargeable-Battery-Market.html>

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