



BSI – EXECUTIVE SUMMARY

 www.bsi-intr.com

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THE COMPANY

BSI is a pioneer and Global leader in the field of battery life extension and battery refurbishment. BSI has developed an end-to-end innovative and unique solution, utilizing state-of-art technology and a combines an organic Nano green additive & Capsulate for life extension and refurbishment services of lead-acid batteries for various applications.

BSI's overall and comprehensive solution is designed to significantly reduce the costs of battery expenses for battery powered fleets (forklifts, golf carts), Transportation Fleets (ships, trains), Emergency and military machinery, UPS Fields and of course Telecom operators BTS's sites.

The BSI solution allows the end user to refurbish old weak batteries at a price of 30% to 50% of a brand new battery, whilst enjoying the performance of new batteries with similar original warranty.

The cost of battery refurbishing is significantly lower than the price of a new battery and therefore allows a huge profit margin in a short period for the return of the investment of our franchisee.

BSI has facilities worldwide with a proven record of technology and business success in four continents and in more than a dozen countries. BSI facilities' are operated by local exclusives franchisees under a Turnkey Solution model.



THE NEED

The global use of lead-acid batteries and now days the EV Batteries as well is ever growing and therefore the importance of cost reduction for the purchase, maintenance and waste disposal of batteries has become of high priority.

The batteries industry has several issues:

- Life expectancy for a battery is 1-4 years.
- Battery performance fades during its operational lifetime.
- Battery prices are relatively high.
- Used batteries are causing a major pollution to the environment.

The main reasons for the short life expectancy of batteries:

- Sulfurization & crystallization over the lead plates.
- Dry-out and acid and distilled water quality – The plates paste is shading to the cell's bottom and creates sediment, which causes electrical short circuits inside the battery.
- Corrosion.
- Swollen.
- Battery manufactours bussiness model...



THE SOLUTION

BSI has developed a unique advance technological solution that allows extending the life expectancy of batteries while providing as good as new quality and reliability for a significantly low cost.

BSI solution consists of three main elements:

- Coating the battery components with "BSI Additive" fluid or Capsulate.
- Implementing "BSI-SRS" proprietary charging process
- The Process for integrating the different components

BSI Battery Additive/Capsule is a unique organic additive, developed by BSI, stored in dry capsule or as a liquid supplement formula that affects the battery as follows:

- Creates a coating over the plates whilst increasing conductivity between them
 - Cleans the crystals and extends the plate's lifetime
 - Preserves the acid quality and increase conductivity quality
 - Enables full charge of the battery
- Decrease daily charging duration



THE PROCESS

BSI has an enhanced the battery refurbishment process that consists:

- Removing old components of the battery (wastes)
- Cleaning and restoring the battery components under deep open heart surgery.
- Adding the "BSI Additive" in liquid or capsule form
- Installing the renewed components into the battery
- Charging and discharging the battery with BSI-SRS advance Microprocessors Cyclers.
- The entire process is environmental friendly.

BSI UNIQUE EQUIPMENT – BSI-SRS

BSI unique functional equipment is an intelligent state of art battery refurbish systems - BSI-SRS. The BSI-SRS is a fully computerized control cyler with highly desulfurization technology suitable for refurbish all types of lead-acid batteries.

The advantages of the system are:

- Charge & Discharge Heavy Duty Cyclers -parallel process under slow & strict desulfurization cycles durations
- Create separate boosting & equalizing & calibrations.
- Individually control for each battery through the process
- Provides optimum battery recovery process
- Reduces the refurbish cycle by two-thirds
- Significant labor force savings
- Increased safety



EXECUTIVE SUMMARY



Telecom blocks System



Traction & Industrial System

The technologic solution and the refurbishing process offered by BSI leads to the following results

- ✓ Battery Refurbishment at a very low cost process with a huge profit margin!
- ✓ Reducing the environmental Impact by extending the battery lifetime.
- ✓ Saving around 30%-50% on batteries budget for the end user.
- ✓ Proven technology and process for batteries refurbishment.
- ✓ An attractive clean-Tec market with rapid growth globally.
- ✓ A relatively short period for the return of investment. (R.O.I.)
- ✓ A relatively short period for Break-Even Point.
- ✓ A small-Mid initial business with a great growth potential.
- ✓ Gradual and controlled business growth ability.
- ✓ Worldwide support for all aspects of the business.
- ✓ A complete environment friendly process, which reduces the environmental pollution of battery waste.
- ✓ A Crazy Market Growth Horizon for the EV (Electric Vehicle's) Battery (Lithium Ion and NiH.)



THE BENEFIT FOR THE ENVIRONMENT

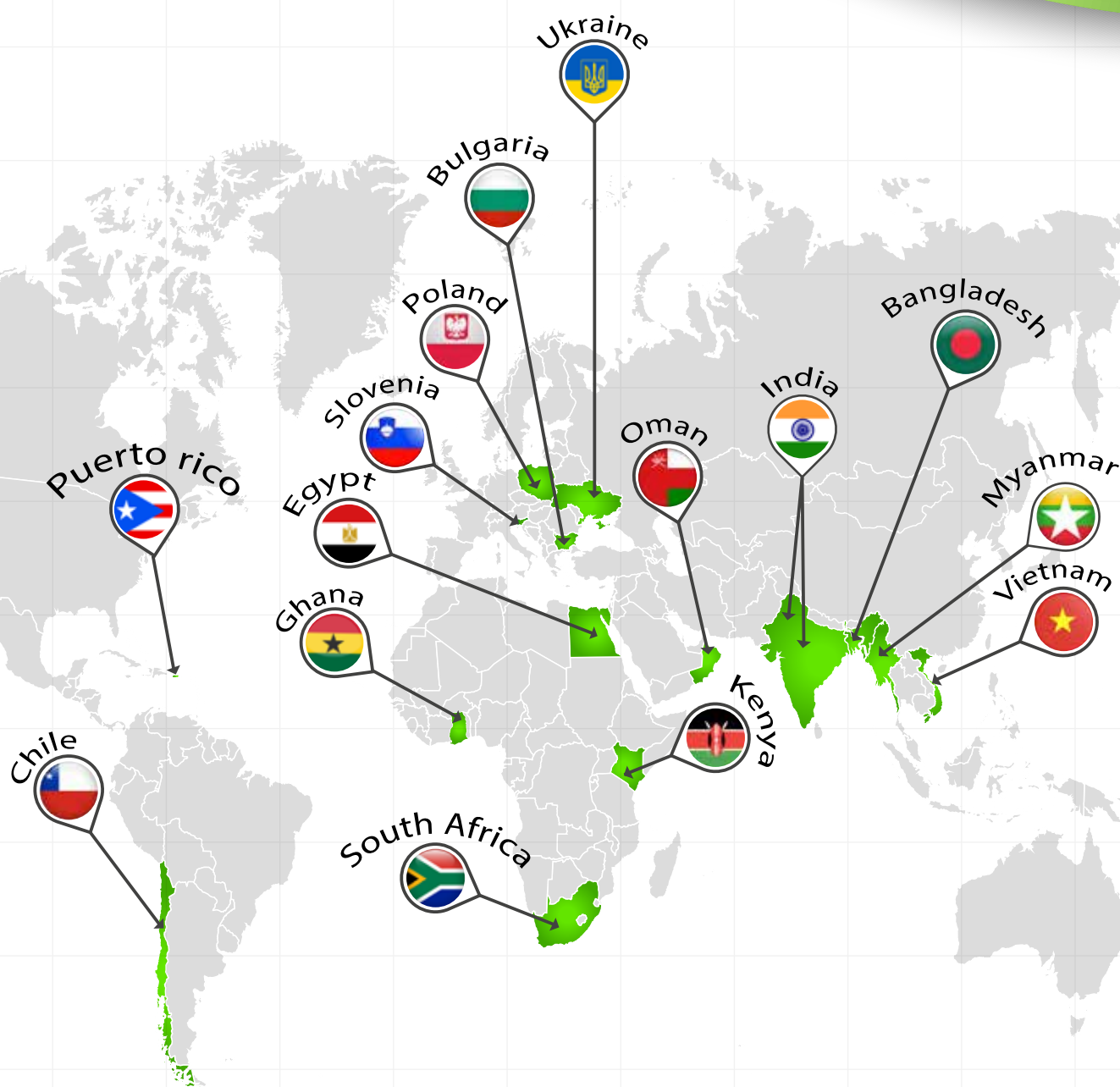
The solution offered by BSI will help
the client reduce its Environmental Impact
in regards to the following points:

- ✓ The "BSI Additive" is 100% organic liquid/capsulate
- ✓ Using the BSI solution reduces the amount of batteries used globally due to extended life-time
- ✓ BSI recycles the lead and acid of the batteries without any waste on-site
- ✓ none sewerage systems in any of BSI plants
- ✓ BSI recycling all water sources used for cleaning & washing cells.
- ✓ Conforms to EU Environmental requirements and standards.
- ✓ Environmentally friendly MSDS. COC, COQ.
- ✓ Under ISO 9001



GLOBAL PRESENCE

BSI has established a successful track record in its international chain of battery refurbishment facilities.



SUMMARY OF THE ADVANTAGES FOR END USER

Set here below are part of the major potential advantages and prospects for the customers of the refurbishing business:

- Refurbished batteries in a similar quality as brand new batteries in a significant lower price (30-50%)
- The possibility to receive continuance support and maintenance for a large amount of batteries for a relatively low cost and by that reducing the batteries budget by 25%-55%
- A warranty for the refurbished battery similar to that of a new battery (free replacment)
- All components are refurbished which eliminates the need for waste disposal
- One Stop Shop services by BSI



SUMMARY OF THE BENFITS FOR BSI EXCLUSIVE FRANCHISE

- ✓ Battery Refurbishment at a very low cost process with a huge profit margin!
- ✓ Reducing the environmental Impact by extending the battery lifetime.
- ✓ An attractive clean-Tec market with rapid growth globally.
- ✓ A relatively short period for the return of investment. (R.O.I.)
- ✓ A relatively short period for Break-Even Point.
- ✓ A small-Mid initial business with a great growth potential under strict exclusivity.
- ✓ Gradual and controlled business growth ability.
- ✓ Worldwide support for all aspects of the business.
- ✓ A Crazy Market Growth Horizon for the EV (Electric Vehicle's) Battery (Lithium Ion and NiH.)





BSI BATTERY
SOLUTIONS
INT.

**EXECUTIVE
SUMMARY**