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SMART
Myanmar

SMART energy reduction audits

Practical | Cost-saving | Effective

PROCESS

Step 1) Energy audit

The program begins with a factory visit by SMART experts to audit the energy consumption of the factory. Most of this is conducted within one single day, but one technical measuring device will be left in the factory overnight and collected the following day. For extremely large factories, the audit may take more than one full day.

Step 2) Energy reduction briefing

Within 2 weeks of the audit, our team will return to your factory to provide a briefing on areas where your factory's energy can be reduced and cost savings can be achieved.

Step 3) Follow-up assessment

Approximately 1 month later, SMART staff will conduct a follow-up visit to offer advice or additional support and to measure the impact of any changes which have been implemented.

Step 4) Closing assessment

Approximately 4 months later SMART staff will visit the factory to conduct a closing assessment to review final progress. Data will be shared with the factory management detailing energy consumption during all 3 assessments and demonstrating if any reductions and savings were achieved.



A manager at Golden Jasmine Intimates Manufacturing Co. Ltd. turns off the lights in an unused section of the factory. Golden Jasmine is one of several factories to identify low-investment energy savings opportunities after participating in one of SMART's previous factory improvement programs. In total, their management estimated that **reduced energy consumption saved them about 20% per month on their electric bill.**

Benefits:

- Each factory then receives a custom-made "**Energy Reduction Plan**" - a brief report recommending what changes can save both money and electricity in your factory.
- Audits are free for the first 10 factories selected in 2016.

What can be improved?

Oftentimes, company managers are busy with their day-to-day work, and don't take the time to look at the company's operations for wasteful inefficiencies. Our team will identify areas where energy consumption can be reduced and, therefore, money can be saved. Some common areas for savings are:

- Insufficient or improperly done insulation
- Wasteful machines
- Improper staff practices & procedures
- Inefficient lighting set-up
- No renewable supplemental system
- Inefficient building design
- Insufficient system for checking steam leaks on boiler and/or no steam condensate return system.



More than just replacing lights, energy savings can be achieved via more efficient machines, better energy management practices and machine maintenance, and investment in renewables.

Ultimately, the savings from managing an energy efficient garment factory can be immense. A SMART energy reduction audit will help you, as a factory manager, know your facility better by learning which machines and processes are most energy intensive and where savings can be achieved.

If interested in our energy audit programme, please fill out the application below and return to: zayar@smartmyanmar.org before July 9th.



Application form

Applicant's name & position:	
Company name:	
Email address:	
Phone number:	
Approx. age of your factory unit:	
Please list the size of your factory in either square feet or square meters:	
Number of employees:	
Estimated total number of sewing machines:	
Please describe other primary machines used in production (where possible, list numbers or estimates of machine types):	
Does your factory have a boiler, if so what is the estimated size/capacity?	
What type of fuel does your boiler require? (electric, diesel, natural gas, wood, etc.)	
How much was your most recent monthly electric bill?	
How many generators does your facility use? If known, please list generator capacity.	
How much do you spend per month on fuel for generators?	
Any other energy sources used at your factory? (solar, natural gas, fabric scraps, wood)	
What volume of product do you produce? (estimate of pieces/month)	
What style of products are most commonly produced? (3 most common product types)	

Factories will be notified by mid-July if they have been selected for this programme. To receive a free audit, you must agree to allow information about your factory's energy and cost savings to be shared for future promotions of this program. You will be allowed to review and pre-approve any non-anonymous information about your company.