Energy and Facility Management Solutions Company (EFMS)

شركة حلول إدارة الطاقة والمرافق الشاملة

Presented By

Tanmiya

FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

In association with

ABB

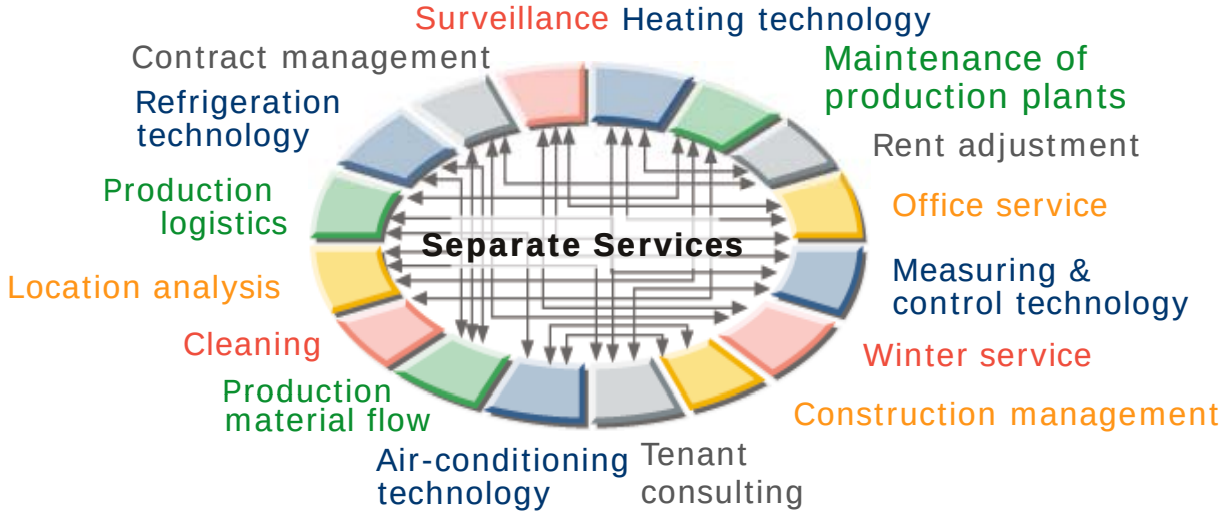
Empowered by

الشركة الوطنية للأوفست
National Offset Company

What is Facility Management

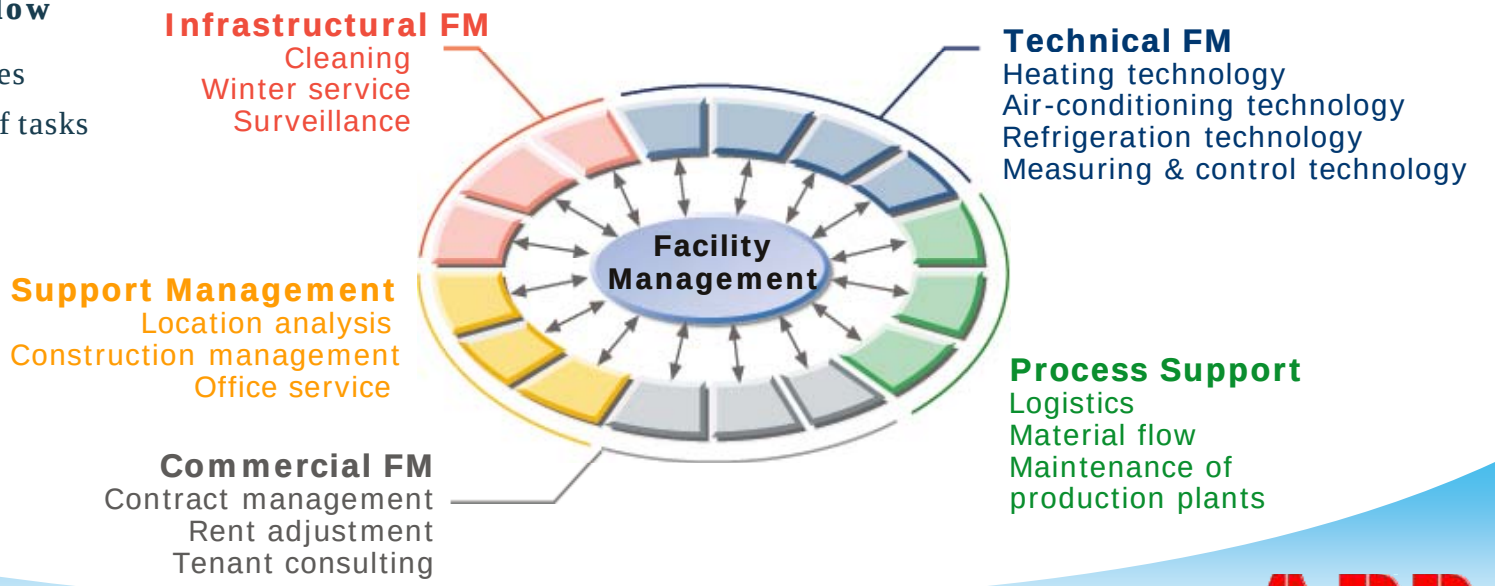
Irregular information flow

- Interface problems
- Uncoordinated tasks assignment
- Unstructured processing
- Too many contact persons



Regulated information flow

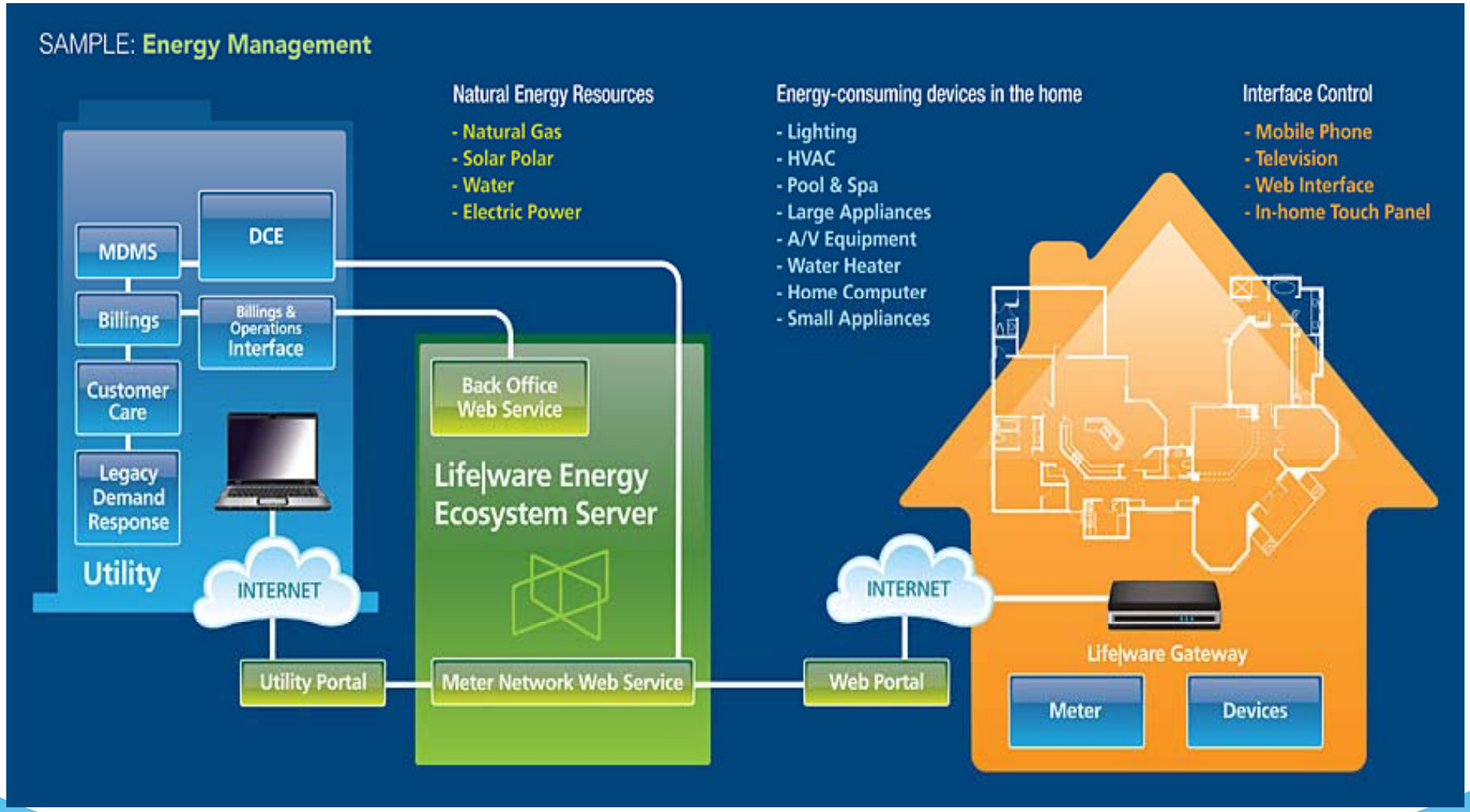
- No loss caused by interfaces
- Coordinated assignment of tasks
- Structured measures
- One face to the customer



Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

What is Energy Management



Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

OBV Mission

1. Provide advanced state-of-the-art professional Total Facilities Management (TFM) consultancy services

2. Implement Energy Management Proof-of-Concept in selected facilities in Kuwait.

3. Develop a specialized training programs for Kuwaiti Nationals in the area of Energy Management Auditing and Conservation.

4. Maximize the use of the energy sources and facilities assets in the private and public sectors

OBV Scope of Work

Package 1

Initialization, Planning & Launch of the OBV

Package 2

FM/EM TEAM

Package 3

LEED Certifications

Package 4

MEW Special Training

Package 5

Sustainable Proof of Concept

Package 6

EM/FM CCC

Package 7

Events & Workshops

Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

The Value Added of the OBV On the State of Kuwait

20…

Sustainable Success Strategy

2011

2010

Kuwaitis
خلق وظائف عالية المهارة للكوادر الكويتية

- Aim to reach more than 1 Million KD in annual salaries.
- New job categories in FM&EM.
- High professional jobs in FM&EM
- Transfer the knowledge of EM&FM
- Achieve the maximum level of Capacity Building

Education
دعم التقدم العلمي في قطاع التعليم الاحترافي

- Open the door for high sophisticated environment in education sector.
- Raise the educational performance levels to the highest standards.
- Bring international programs in FM&EM to the local education

Technology
نقل وتوطين التقنية المتطورة والمناسبة لدولة الكويت

- Improve energy efficiency by the use of Technology
- Achieve the optimum use of energy sources
- Improve quality of Job Competences
- Rely on Un-manned technology solutions.

Facilities

- Sustain the real estate value by using FM applications
- Promote the optimal use of real estate assets, which reduces depreciation and saves money
- Create healthy environment through applying green buildings methodology.

Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

وزارة الكهرباء والماء

Ref: MEW/9/2/35626 الإشارة:

Date: 13 . 12 . 2009 التاريخ:

..... الموافق:

ABB Engg Technologies Co (KSCC)
P.O.Box 4275 Safat,
13043 Kuwait,

For the attention of Mr Thomas Jivung

Offset Venture for Facility & Energy Management

Dear Sirs

Further to your presentation on 18.11.09 and the subsequent meeting on 09.12.09. We now confirm the interest and support of the Ministry of Electricity and Water in the above Offset Venture.

We consider it to be an important contribution to the sustainability of Kuwaits Energy Economy and confirm our wish to contribute to the finalization of the business plan.

In this respect we offer the following comments on the draft tabled on 09.12.09.

We note the Total Facility Management content but consider that Energy Management should receive primary emphasis. Thus, referring to Package 2, to ensure a coordinated national effort, we request that the "Subject Matter Experts in Energy Management and Conservation" be identified immediately, have a defining role in the operational plan, be drawn from the extensive expertise available in Kuwait and contribute the current status of ongoing work in building energy management to the venture.

To make maximum contribution to the objective of reducing building energy consumption across the total consumer base we request that you consider modification of Package 3 to include LEED certification of a school building and examples of a Kuwaiti villa and a social home. The improvements subsequently achieved on these buildings is the best proof of concept.

We regard Energy Auditing as essential to the above objective. The recruitment and training in Package 4 is important in establishing this field in Kuwait. We would draw attention to the following.

i. Energy Auditing requires considerable personal quality to work creatively, rapidly and independently therefore realistically high recruitment standards must be applied.

ii. In any professional activity, the subsequent effectiveness of trainees on the job depends on a cadre of experienced personnel to supervise and mentor. This new field for Kuwait cannot succeed without such a cadre. We therefore request that you consider modification of the personnel proposals to include its recruitment. A ratio of 1 :per 5 trainees is suggested.

We will communicate separately regarding involvement of MEW personnel.

You mention two functions of a Sustainable Energy Laboratory; a " state of the art" training facility and as a means of raising energy awareness of energy conservation in Kuwait and link the laboratory to proof of concept. We request that you consider separation of these functions as follows;

i. The essential of Energy Auditing is application of portable testing equipment in the subject building, thus training laboratory requirements are not elaborate. After initial instruction, training should move as early as possible to field applications followed by classroom case reviews.

ii. Raising public awareness has different equipment and presentation requirements and is best achieved in public places , KFAS facilities , displays in Malls , TV programs are possibilities

iii. Potential achievements are already well established. Proof of concept for Kuwait is best made on actual buildings as discussed under Package 3 above.

Yours Faithfully,

f/ **Undersecretary**

Ministry of Electricity and Water.

Dr. Meshan M. Al-Otaibi
Asst. Under Secretary For Planning & Training

The Sustainability with MEW

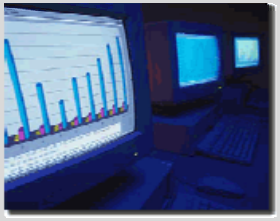
Generation → Distribution → Usage → Audit

Under MEW Supervision with EFMS Support

Specialized MEW /EFMS Energy Management Team

Use World Wide Energy Management Implementations

Consultancy Services and Events/Workshops



Energy Management Software to Track Energy Performance

Annual Energy Auditing & LEED Certificates

Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

The ABB Group: Energy efficiency Page 1 of 1

Energy efficiency is ABB's business

Soaring energy prices and concern about climate change from man-made emissions of carbon dioxide have propelled energy efficiency to the top of the agenda in the boardroom, in public debate and in public policy. This portal provides an overview of the challenges, how governments are tackling them and the ABB solutions already at hand.

Efficiency from power plant to plug

Raising efficiency along the energy chain

ABB helps to raise efficiency at every stage along the energy value chain, from the production of electricity and its distribution, to its end use by industrial, utility, commercial and residential consumers.

News

ABB drives bring waterwheel project to life

Nov. 24: An ABB solution is enabling a new and innovative version of the waterwheel to generate electricity from a stream flowing through the Italian city of Turin, and deliver it safely and reliably to the local power grid.

Breaking ice and saving energy in the Antarctic

Oct. 26: ABB is providing a complete power, propulsion and automation solution that will make an Argentine icebreaker more energy efficient and environmentally friendly as it works in one of the toughest and most sensitive environments on earth – the Antarctic.

>>News archive

Reference materials

- Energy efficiency video
- Energy efficiency media folder
- Position paper: ABB on climate change
- White paper: The other alternative fuel
- Energy efficiency in the U.S. power grid
- The contribution of process automation
- The potential from motors and drives
- ABB's smart grid portal

Tools

- PumpSave and FanSave
- Glossary of common terms

Contact us

- Product contacts
- Media contacts

ABB Solutions for
Saving Energy

ttp://www.abb.com/energyefficiency 03.12.2009

ABB: Energy Efficiency - work place Page 1 of 1

Energy Efficiency

Energy efficiency working space

Using consistent data and a fuller range of examples will increase the credibility of our communications on energy efficiency. This space allows us to share our work on energy efficiency and save time by benefiting from work done by colleagues elsewhere.

Information

Energy statistics
Speeches, interviews, editorials
Success stories
Other
Presentations/slides
One-liners
Publications

Created by Florinda Cocca/ABBZH/ABB 2007-04-02
Last edited by Malcolm Shearmur/ABBZH/ABB 2009-06-05

Rating

Rate this page:
Average rating: ★★★★★
Ratings:6

Contact us

Page information:
- Malcolm Shearmur

Links

See also the energy efficiency portal on abb.com

Drives sales support site on energy efficiency

ABB Solutions for
Saving Energy

http://inside.abb.com/cawp/gad00061/73B6A22D71F3ADF9C12572B100344815.aspx?v=DE6A&e=us 03.12.2009

Building on energy efficiency

2008-11-18 - In the seventh part of our series on saving energy in our own facilities, we see how plants in Dubai and China have used ABB i-bus technology and a range of other low-cost measures to make offices more efficient.

By ABB Communications

ABB in Dubai has cut energy use per worker by 11 percent in their Al Quoz operation by installing efficient office and workshop facilities that are set to pay for themselves after nearly four years in use. Similar moves are underway at ABB factories in China, saving more than 10 percent with low-cost measures.

The achievement is owing to an ABB smart building technology known as i-bus KNX, which was installed in a new switchgear assembly facility built in 2005. The i-bus system relies on sensors and motion detectors to determine when and how much light and heat are needed.

In washrooms and service areas, lights are automatically switched off after a pre-set period of inactivity, usually less than 20 minutes. In work areas, local lights operate when movement is detected, supplemented by a broader system of overhead lighting that is activated when employees are scheduled there. Natural light is supplemented by 76 roof windows in the workshop.

ABB has been based in Dubai since 1992, producing switchgears and repairing ABB turbochargers and components. The new assembly plant was inaugurated in 2005 with 70 employees. At the time, i-bus smart building technology was installed at an additional cost of $109,000 (AED 400,000). It is expected to pay for itself in 2009 - within just four years.

A system you can live with

Le Rêve Tower, Dubai, is the first residential use of ABB's smart building system in Middle East and Africa, where it is the leading smart building system for other purposes.

Apart from its utility on the job, ABB i-bus KNX is reducing power consumption and CO_2 emissions in Dubai's luxury apartment tower Le Rêve, as well as the seven-star Emirates Palace hotel in Abu Dhabi, the seven-star Hilton Qasr Al Sharq hotel in Jeddah, the Nile City complex in Cairo and the Four Seasons Hotel in Alexandria. In Singapore, it is the most widely used building installation system, winning awards for efficiency and low impact.

Units are equipped with a touch panel by Bang & Olufsen. From any room, occupants control lighting, curtains, air and water temperatures. Entryways may be monitored through audio and video systems and room functions controlled over Internet, mobile phone or personal digital assistant.

ABB China saves on energy

In China, each new ABB factory is designed with energy-saving equipment as part of an energy-efficiency review. Factories are installed with ABB's i-bus system for heating and air conditioning as well as ABB variable-speed drives to control motors. Other common features include rooftop solar panels, and high-efficiency windows, doors and wall insulation.

Much has been achieved at little expense. At ABB's transformer factory in Chongqing, energy savings of 10 to 20 percent were achieved through simple measures like new lighting controls and new drives for pumps and fans. Steam from the laundry

Rating

Rate this page:
Average rating:
Ratings:44

ABB Al Quoz office in Dubai has installed motion detectors and sensors through ABB's i-bus KNX, so that lights and heating can be adjusted when people aren't on the premises.

Contact us

Page information:
- Cirstin Ehlers
- Vincent Lim

Links

- Energy efficiency web page
- Intelligent Building Systems: i-bus KNX
- ABB cuts headquarter operating costs in Germany
- Emissions reductions beat expectations in Switzerland
- ABB reduces energy consumption of Swedish operations by 5 percent
- Making a habit of energy efficiency works
- Energy savings boost competitiveness of ABB plant in Italy
- ABB facility lights the way to energy efficiency

was directed to the plant's hot water tanks, insulation around the tanks was improved and inefficient old equipment was replaced.

"These measures can be applied to all ABB factories in China," says Vincent Lim, head of sustainability affairs at ABB China.

He says that from 2002 to 2007, electricity consumption across ABB's Chinese operations fell by 55 percent per unit of revenue as a result of both energy efficiency measures and fuller use of production capacity:

"Between 2002 and 2007, electricity consumption across ABB's Chinese operations fell by 55% per unit of revenue."
– Vincent Lim, head of sustainability affairs, ABB China

"With energy prices at an all-time high and the effect of greenhouse gas emissions on our environment becoming more obvious, we have a duty to cut energy waste. We need to minimize costs and reduce greenhouse gas emissions wherever possible."

Your views/more info

ABB Offices in Dubai on Energy Efficiency

Saving 11%/worker

Energy savings boost competitiveness of ABB plant in Italy

2008-08-26 - ABB is cutting energy consumption in its factories to reduce its environmental impact and save costs. In the second part in our series on the savings achieved at sites around the world, we journey to Italy to discover how a plastic processing plant has used ABB technology to cut the energy used by stamping machines.

By ABB Communications

The measures taken have cut the electricity bill by $80,000 per year at ABB's Marostica factory in the province of Vicenza, where plastic panels and ducts are made for low-voltage electrical distribution. Savings of 442,000 kilowatt-hours per year were achieved, equivalent to the power used by 116 average households in the European Union.

"Being a plastic processing factory that does not produce highly technological products, we are exposed to aggressive international competition," said Giuseppe Morini, head of the enclosures business in Italy, "so cutting our energy costs not only helps the environment, but has a remarkable effect on the final cost of our products, improving our overall plant efficiency."

ABB

ABB installed on its thermo plastic injection presses at Marostica plant, a speed control system that brought remarkable energy savings.

decided in 2007 to target the 34 presses used for thermoplastic injection, a technique developed in the 1940s that involves squeezing molten plastic into molds and cooling the parts until they solidify. The presses were operated by motors running at full speed that were throttled when output had to be reduced – similar to driving a car keeping one foot on the accelerator, the other stepping on the brake to control speed.

"Our presses were one of the most energy-consuming activities and all had different cycle times and clamping forces ranging from 50 to 2,300 tons," said David Trombetta, operations manager at the plant. "Several of the presses were also not very modern, so although they worked perfectly well, they were not energy efficient."

The site turned to ABB expertise, and installed drive technology to control the rotation speed of the motor pumps which activate the press. ABB is the world's largest maker of electric motors and motor-control devices, technology that can cut the energy consumption of applications using electric motors by as much as 70 percent.

Measuring the savings

In the test phase at Marostica, the system was installed in a way that still enabled the presses to be used in the traditional way, making it easier to compare the data with and without the new technology. Savings of 31 to 51 percent were achieved in the tests, depending on the products produced, and it was decided to equip nine presses with the drives.

			Average Energy Consumption		Average energy cost 2005 = 0,115 € / kWh		
Description	Usage	Total running hours - 12 months	Without drive	With drive	Saving kWh / year	Saving %	Saving € / year
BMB HB 1800 universal	49%	3.656	45	29	54,992	35%	6,217
BMB MC 450 universal / PVC	79%	4.656	32	20	57,637	38%	6,628
BMB MC 350 universal	78%	4.683	31	16	72,930	50%	8,387
BMB MC 300 (ex 270) NYLON	60%	3.494	27	16	38,684	41%	4,449
REAL PRESS 200 B/C	71%	4.187	26	17	37,683	35%	4,334
REAL PRESS 200 B/C	70%	4.039	29	17	36,237	35%	4,174
BMB MC 150 PVC	74%	4.273	24	15	35,877	35%	4,193
BMB MC 350 BIMATERIA	67%	4.115	21	14	31,070	35%	3,573
BMB HW 650	67%	4.044	41	21	78,050	47%	8,976
					442,090		50,840

Savings of 31 to 51 percent were achieved in tests, depending on the products produced.

"Each press had one or two motors, and for each, an ACS550 drive was installed," said Trombetta. "This required a total downtime of 1.5 days and the daily production lines were not affected. On top of this, no operators needed any specific training as it did not affect their tasks."

The system installed comprises a frequency converter (which adapts the motor speed to match the required pressure or flow) as well as a keyboard and display to monitor the operation. The new system allows the needs of the work cycle to be met in real-time and resulted in savings of 35 to 50 percent on the plant's press operations.

"The payback time of the entire investment was only 16 months, and the work environment has improved due to noise reduction because the pumps don't have to work at maximum speed," Trombetta added.

A number of indirect savings were also achieved, such as a reduction in service costs, in the power required

Rating

Rate this page:
Average rating:
Ratings:13

The success of the Marostica facility is now used as a case study at energy efficiency events and seminars around Italy, and has featured in a number of reviews and trade press publications.

Contact us

Page information:
→ Gian-Filippo DOriano

Contact us

General information:
Contact ABB

Links

→ Energy efficiency tips: what can you do to help?
→ Energy efficiency at ABB
→ Learn more about ABB drives
→ ABB's Environmental Objectives
→ Sustainability Affairs
→ Energy Efficiency portal

Attachments

→ Feature in Automazione Industriale - JCE (Italian trade press magazine) January 2008

The ACS550 drives installed on the pumps that operate the presses are the basic elements of the energy consumption control system.
for cooling press oil, and in the power needed to start the machines.

The success of the Marostica facility is now used as a case study at energy efficiency events and seminars around Italy, and has featured in a number of reviews and trade press publications.

Do you have an experience with reducing energy use at your site which you would like to share?

Share your experience

ABB Plant in Italy on Energy Efficiency

Savings of 31% to 51%

http://inside.abb.com/cawp/seitp202/e489c2e29b6ab11ec12574a2000fcd5b.aspx 03.12.2009

ABB Experience in Energy Management Sector

ABB: Making a habit of energy efficiency works Page 1 of 1

Making a habit of energy efficiency works

2008-09-03 - In the third part of our series on efforts to raise energy efficiency at our own facilities, we turn to Asia. A service facility in Singapore has reduced energy consumption by 15 percent in 2007 compared with 2005 by establishing some basic ground rules of energy use.

By ABB Communications

The Tuas factory specializes in servicing turbochargers and electrical machinery. In 2007, site managers implemented an energy reduction program that resulted in monthly savings of 12,600 kilowatt-hours, equivalent to the monthly power needs of 34 average-sized Singapore apartments.

Energy consumption was reduced even though revenues increased by 16 percent over the same period.

The site implemented and communicated energy-saving guidelines.

"The first step in a successful environmental campaign is the support of senior managers," said Wong Chee Fai, sustainability officer at Tuas. "Our management agreed that a change in the habits, behavior and attitude of all employees was needed, and we attribute our successful results to the full cooperation of our staff."

The site implemented and communicated energy-saving guidelines, and informed staff to adapt these to their routines. Staff would have to switch off all lights and air conditioners after office hours and if they needed to work late, should only switch on air conditioning and lights for the required area.

If needing to work late, staff could switch on air conditioning and lights for the required area only.

"The lighting in the facility was grouped, so the lights could be turned off in sections, instead of having the entire factory floor lit," explained Wong.

Administrators were made aware of the switches that were used to operate the different light groups, so that when a section is not in use, they can switch off the lights.

In addition to the lighting, regular service and maintenance of air conditioning units began, and all thermostats were set to around 25 degrees Celsius.

Staff would have to switch off all lights and air conditioners after office hours.

"With ABB's experience in building management systems, we can help more buildings in Singapore become more energy efficient," said James Foo, ABB country manager in Singapore. "There is still potential within our own facilities to save energy using motion control, timers etc. Currently, we are looking into the feasibility of upgrading our Tuas factory for 'Green Mark' certification, which is awarded after a review by the Building and Construction Authority (BCA)."

Tuas is not the only facility in Singapore that is looking to help the environment, explained Foo: "Another simple yet exciting initiative is that we are installing skylight fittings at our transformer factory at Gul, which will not only brighten the environment with natural daylight, but could also save energy since we are able to reduce the number of lighting points required."

In 2005, the Tuas site consumed 75,158 kilowatt-hours of electricity per month; as a result of the energy saving efforts, this was reduced to 62,580 kilowatt-hours per month by 2007, for an annual total energy savings of 151,000 kilowatt-hours.

Do you have an experience with reducing energy use at your site which you would like to share?

Share your experience

Rating

Rate this page:
Average rating:
Ratings:15

In 2007, site managers at Tuas implemented an energy reduction program that resulted in monthly savings of 12,600 kilowatt-hours, equivalent to the monthly power needs of 34 average-sized Singapore apartments.

Contact us

Page information:
→ Joey Chiang

Contact us

General information:
Contact ABB

Links

→ Energy efficiency tips: what can you do to help?
→ Energy efficiency series
→ ABB's Environmental Objectives
→ Sustainability Affairs
→ Energy Efficiency portal

http://inside.abb.com/cawp/seitp202/236d46393258b2f4c12574a200170791.aspx 03.12.2009

ABB Factory in Singapore

Savings more than 15%

ABB: ABB Environmental Objectives 2009 Page 1 of 1

ABB Environmental Objectives 2009

ABB has now launched new Sustainability Objectives for 2010-2011 that reflect ABB's sustainability priorities across the full range of business activities. Read more about the new objectives here.

How do the 2009 Environmental Objectives relate to the Sustainability Objectives 2010-2011?

Environmental Objective 1 – EMS implementation:
In accordance with ISO 14001, all manufacturing and service sites should have an environmental management system implemented.

For non-manufacturing sites, e.g. offices and warehouses, the minimum requirement is to identify significant aspects and to manage these aspects in accordance with the basic principles of ISO 14001, including the requirement of continual improvement of the performance and to identify relevant environmental legislation.

Sustainability Objectives 2010-2011

Environmental management system (EMS) implementation in accordance with ISO 14001 remains a requirement at all manufacturing and service sites and the objective has been substantially achieved. Non-manufacturing sites still are required, as a minimum, to identify significant environmental impacts and to manage these aspects in accordance with ISO 14001 principles. The focus now is on maintaining the systems in place and focusing on continual improvement.

Environmental Objective 2 - Energy consumption
Given the consumption of energy during 2006, each site should take action to reduce its own use of energy, per output, unit by 5% (this is a continuation of the corresponding objective established in 2006). During 2009, the target reduction is 2.5% with a special program for those facilities consuming more than 1% of ABB's total energy use.

Each country should establish processes to monitor the use of energy, including electric energy, heat and energy used for transport of goods and personnel. (Transport is likely to be an additional focus area for monitoring and/or action for 2010/11)

This objective continues and is re-stated as Sustainability Objective 1.

Environmental Objective 3 – Emission of organic solvents (VOC, VOC-CI)
Ensure that organic solvent is not emitted to air, e.g. by introducing water-borne paint.

Sustainability Objectives 2010-2011

Appropriate management of organic solvents should be covered by the site EMS and be included in continual improvement programs.

Environmental Objective 4 – Hazardous materials
Hazardous materials and substances should be phased out according to ABB Group Instruction Number: GI/SA-01.02A03, "ABB´s List of Prohibited and Restricted Substances".

This objective continues and is re-stated as Sustainability Objective 4.

Environmental Objective 5 – Development projects
The environmental checklist should be applied consequently when developing new technologies and new or enhanced products, services or processes (ref. to the environmental checklist under product development at the Sustainability tool-box).

This objective continues and is re-stated as Sustainability Objective 5.

Environmental Objective 6 – Suppliers
In order to ensure that suppliers comply with ABB´s sustainability requirements, the "Guide for sustainability audit of suppliers", should be applied for suppliers causing significant environmental and/or social impact in their service to ABB (ref. to documents "GF-SA 06_43 Sustainability Audit of Suppliers" and "Social Policy Guidelines for SCM 7ABA 100276" under supply management at the Sustainability tool-box). (In 2009, further work on this will be carried out with and by supply chain management colleagues with a joint SCM/GFSA review of audit data gathered in Q1 and Q2. New measures for supplier disqualification may be introduced in 2010 in light of these findings.)

This objective continues and is re-stated as Sustainability Objective 11.

Created by Lennart Karlson/SECRC/ABB 2003-12-18
Last edited by Florinda Cocca/ABBZH/ABB 2009-11-06

Rating

Rate this page:
Average rating:
Ratings:2

Contact us

Page information:
→ Adrienne Williams

Links

→ Sustainability Objectives 2010-2011

http://inside.abb.com/cawp/gad01440/812aa46e791b65f3c1256e000025238a.aspx 03.12.2009

ABB Environmental Objectives

Tanmiya
FOR TOTAL FACILITY ENGINEERING & MANAGEMENT

ABB

Sustainability Objectives 2010-2011

ABB has launched new Sustainability Objectives for 2010-2011. The objectives were developed with significant input from the businesses, countries and Group Functions and have been approved by the Executive Committee.

They are intended to sustain and further improve:

- ABB's environmental performance
- management of health and safety, social, environmental and security risks in ABB operations and in projects
- sustainability performance in the supply chain and when we acquire companies.

The objectives are as follows:

1. All sites to reduce use of energy by 2.5% annually
2. Develop guidelines to monitor the environmental impact of transport of goods
3. Monitor and reduce environmental impact from business air travel
4. Phase out the use of hazardous substances in ABB's products and processes
5. Ensure that environmental and health and safety aspects are considered in product development
6. Early assessment of social, security, OHS and environmental risk in ABB's project risk management process, to better manage sensitive projects
7. Due diligence on all security companies according to ABB standards
8. Ensure rapid response capability and enable ABB in risk-rated countries to prepare and respond to potential threats
9. Develop ABB travel system into a more supportive system for ABB
10. Occupational Health and Safety Plan 2008-2011 continues,as approved by EC
11. Increase monitoring of key potential and existing suppliers so that ABB is not complicit in any social, environmental, human rights or health and safety abuses
12. Extend social, environmental, human rights, and health, safety and security risk assessment in M&A processes.

The focus areas of the objectives were determined using a risk and opportunity assessment across ABB's business processes, to ensure that we concentrate our sustainability efforts on helping ABB do better business. Continued improvement in sustainability performance is not only important to ABB, it is something our customers are demanding, from design of our products, sourcing our materials and services, manufacturing our products, through to project and service activities.

Therefore, achieving the Sustainability Objectives will require cooperation across functions, countries and businesses. Sustainability functions alone cannot achieve the objectives, but have a key role to play initiating and coordinating action. Main responsibilities have been identified in each objective.

Further information about the objectives is available in a Frequently Asked Questions document. A standard presentation is also available, to assist you in communicating the objectives within your organization.

Full text of the Sustainability Objectives can be found here

→ Improve ABB's Environmental Performance
→ Strengthen management of OHS, social, environmental and security risks
→ Strengthen Sustainability in Supply Chain Management and when we acquire companies

Rating

Rate this page:
Average rating: ★★★★★
Ratings:2

Contact us

Page information:
→ Adrienne Williams

Links

→ ABBs 23 Largest energy users (based on 2008 LSO reports)

Frequently Asked Questions (FAQs)
The FAQ document provides further background information on the overall objectives and additional details about the individual objectives.

Sustainability objectives briefing (presentation)
This presentation is designed to assist in communicating the objectives to local organizations. You are welcome to customize the presentation, to provide local examples and to focus on issues of local importance.

Created by Florinda Cocca/ABBZH/ABB 2009-11-03
Last edited by Florinda Cocca/ABBZH/ABB 2009-11-09

ABB Launched Sustainability Objectives for 2010-2011

ABB

Spare a thought for saving energy!

Dear Colleagues,

Energy Efficiency in its easiest definition - is using energy efficiently.

Having said that, if it were that easy the corporate sector across the globe would not be coming together in designing innovative products and service offerings to improve and conserve energy, optimize material use, reduce wastage and counter global warming.

As we are all acutely aware, energy is essential to life and its conservation has become an absolute necessity. Concerns over the negative environmental impacts of inefficient uses of energy are growing, both globally and locally. The only way, ABB in India, can make a difference is, if each one of us makes a conscious effort in our day-to-day lives to incorporate ways in which we can conserve energy.

I don't have to further emphasize the criticality of energy conservation, you can pick up a newspaper, switch on any TV channel, browse the internet or listen to the radio - it's clear that energy conservation is a priority today. We can choose to ignore it or we can choose to make a difference. The onus lies with us.

We have formed a team of 'Energy Marshals' at each location comprising individuals that take pride in conserving energy and understand the importance of a forward directed and fully committed approach towards energy efficiency. The 'Energy Marshals' will detect the smallest deviances and correct them. Our Marshals will understand the significance of minimizing material and energy use, design energy improvement initiatives and maximize reuse and recycling. This task force understands and appreciates energy conservation not just as a feel-good philosophy but as a strategic business rationale as well because more efficient energy use will definitely increase productivity and economic competitiveness. Location teams that rise above the others in terms of energy saving practices and its consequent results, will be rewarded.

Please remember that it is the simple decisions that we make everyday that prove to be the ones which make all the difference. We can improve and sustain our environment by working in partnership. It is what has defined our success as an organisation, and we can do it again for our planet.

Yours sincerely,

Biplab Majumder

For Internal Circulation Only

ABB India MD Letter – 18 November, 2008

ABB Formed a team of "Energy Marshals" at each location

Thank You