

Environmental Report 2020



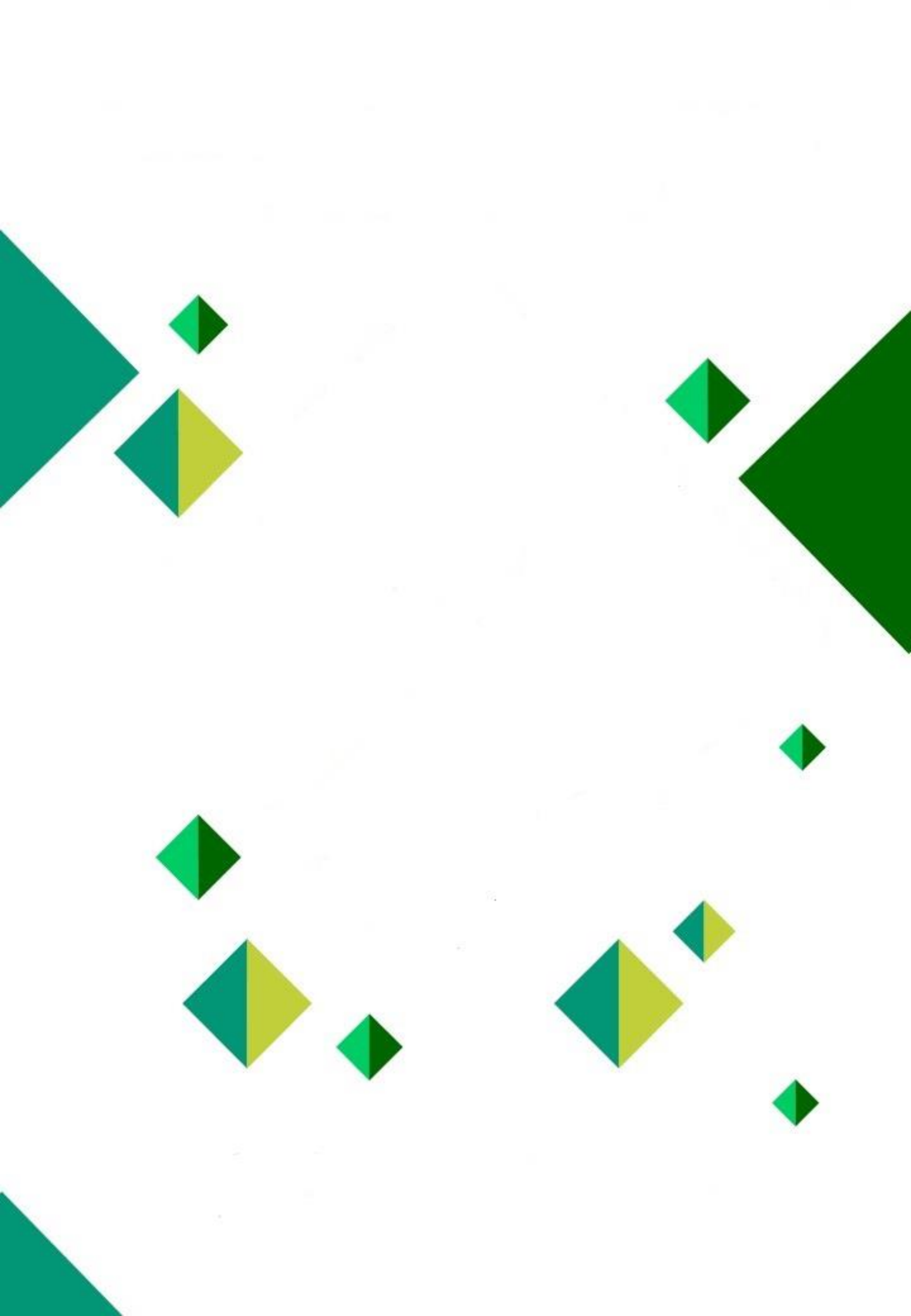


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Company Introduction

Company SRIXON SPORT MANUFACTURING (THAILAND) CO., LTD. (SSMT)

Location Kabinburi Industrial Zone, location in eastern Thailand
(190 kilometers away from Bangkok)

Business Commencement Date December 21, 2007

Area 36,800 square meters

Number of employee In 2019 ~ 328 persons



Business Operation

Manufacturing of tennis balls under the customer-defined conditions, requirements, as well as customer needs. Most of SSMT products are certified by ITF (The International Tennis Federation).

Certification



ISO 9001 : 2015
Certificate No : TQ-073
25 September 2017



ISO 14001 : 2015
Certificate No : 10214330
29 August 2019



OHSAS 18001 : 2007
Certificate No : 10170349
3 December 2018

Environmental Message



I am Jun Yamakawa, the Managing Director of Srixon Sports Manufacturing (Thailand) Co., Ltd., a tennis ball manufacturer. To produce tennis balls, the natural materials like rubber, wool, and cotton cloth and other natural resources are used. We want to be close to a society that admires and realizes the value of nature in the aspects of production and play.

Managing Director : Jun Yamakawa



Recently, there have been many environmental issues, including plastic waste. We, SSMT as a tennis ball manufacturer need to use different kinds of plastic as well. Consequently, our mission is to reduce and recycle the plastics associated with the production of tennis balls. We are contributing to and driving the SDGs through these activities.

Technical Advisor and SE Manager : Yusuke Tanigawa

Environmental Message



To perform each activity, we have always placed importance on environmental conservation and preservation as the priority as we believe that good environment makes lives better. We all cannot live without the clean environment and abundant nature. Thus, preserving nature for its long-lasting existence is our strong intention.

General Manager : Don Prapipek



For this year, I'd like to ask everyone to work together in preserving the nature and environment in order to maintain the balance of nature. We all must not be a part of causing the environmental impacts. In the meantime, we must try to make everyone around us realize the importance of environment. This action should be performed continuously. To achieve this goal, we can easily get started by simple actions like reducing the electricity consumption, fuel consumption, and water consumption. We should not do anything that causes pollutions such as waste/garbage, wastewater, toxic fumes, etc. In the meantime, we should do something to improve the environment such as tree planting to reduce the global warming. If everyone has the environmental awareness, our mother earth will live stability. Let's start today for a better environment in the future.

General Manager : Porntip Siriban

Environmental Message



In our manufacturing processes, the electricity, fuel and water are used. They all are the valuable natural resources. The consumption of fuel and electricity unavoidably causes the air pollution that leads to the global warming. Therefore, yearly the production methods and conditions have been improved to reduce these energy consumptions. In addition, currently SSMT has developed our products to become eco-friendly by choosing recyclable materials and reducing the amount of usage. This is for the sustainable environmental conservation and preservation.

PE&QA and R&D Manager : Kruawan Kallayasiri



Energy conservation means the efficient or economical use of energy. If we use the energy economically no matter in our own residences or facilities, we can reduce our living or business costs significantly. The most important thing is we can minimize the environmental problems arising from pollutions caused by energy generation sources. Thus, we all should realize the value of energy and use it efficiently and effectively. To protect our global environment, SSMT has created and implemented various measures to conserve and preserve the energy continuously on a yearly basis.

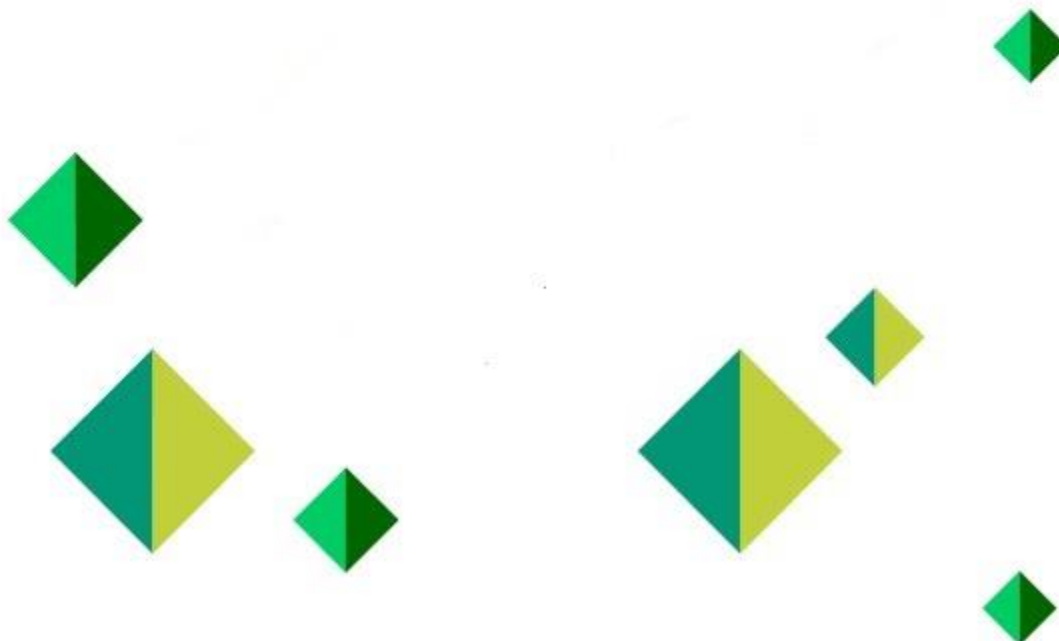
Engineering Manager : Surin Meekham

Environmental Message



Conserving the environment is a duty of every human being for a better quality of life both today and in the future.

Production Manager : Supattra Kaewsombat



Company Policy

1. Creating the safety, convenience, and comfort in workplace.

- Delivering good products worldwide with a safe and comfortable workplace.
- Achieving goals, being happy with the workplace, and realizing the value of work.

2. Enhancing the competitiveness, and creating the attractive products continuously.

- Focusing on delivering high-performance and high-quality products, with a competitive price.
- Possessing the cost competitiveness for competing in the worldwide markets.
- Realizing the importance of efficiency, re-considering on our own works.

3. Self-improvement. Strengthen the company with the unity.

- Using our strengths to overcome the weaknesses. Keep growing ahead.
- Setting the precise goals, and being determined to achieve the intended success.

Jun Yamakawa

Managing Director

January 3, 2020

Safety and Occupational Health, Environment, Quality Policies

Srixon Sports Manufacturing (Thailand) Co.,Ltd. As manufacturer of high quality and excellent service Tennis Balls incorporates important the risks, both internal and external. Related to quality, service, environment, occupational, health safety and working conditions of our workers to attain high level of customer's satisfaction and working standards of our company.

In serve these objectives, our company has undertaken to implement the following :

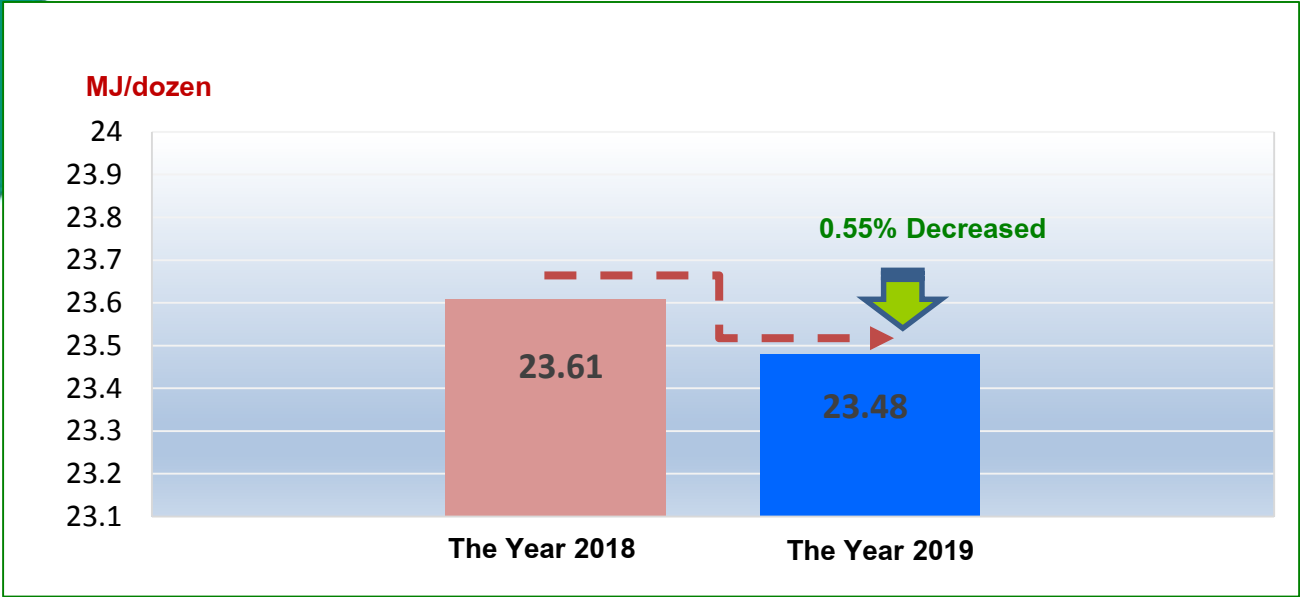
1. Timely Delivery to meet customer's satisfaction.
2. Reduction and prevention of possible risks of accidents upcoming with employee, contractor, sub-contractor, visitor and company.
3. Abide strictly to rules and regulations relating to environment, occupational health and safety issues.
4. Commitment to the identification and evaluation of environment aspect and impact still focuses on activities, production process, product and company service related environmental. And resources can be used to achieve maximum benefit. To continuously improve operations even further.
5. Updating and continuous development and sustainable of the company's quality, environment, occupational, health and safety activities.
6. Commitment to the safety and Occupational activities for prevention and reduce of injuries and health for all employees.
7. Commitment to the environment activities for protection and prevention of pollution.
8. Active participation and involvement with environmentalists by sharing company's environment policies.



Jun Yamakawa
Managing Director

Energy Consumption during 2018 -2019

Overall in 2019, the energy consumption decreased by **0.55%**, compared between the energy consumption in 2018 - the ratio of energy consumption per output unit was 23.61 MJ/dozen, and downward to **23.48** MJ/dozen in 2019.



With the collaboration between the management and all employees, the various energy conservation projects have been created covering the electricity energy conservation, thermal energy conservation, and the environmental protection and preservation.

By 2019, there were seven projects of energy conservation and environmental projects created and implemented.



Guidelines for reducing the Electrical Energy consumption.

From the concept of **"Reducing the unnecessary losses"**, the energy-saving activities have been created as follows:

1.) Replacing the existing air conditioners with high energy- efficient system.

From the inspection, it was found that the original air conditioners installed in the offices consumed high energy; consequently, ten units of over ten-year old used air conditioners were placed with high energy- efficient ones. This helps us reduce the cost of electricity consumption by **66%** or **50,020 kWh/ year**.

BEFORE



The electric energy consumption of the original air conditioners was 76,343 kWh/year.

AFTER

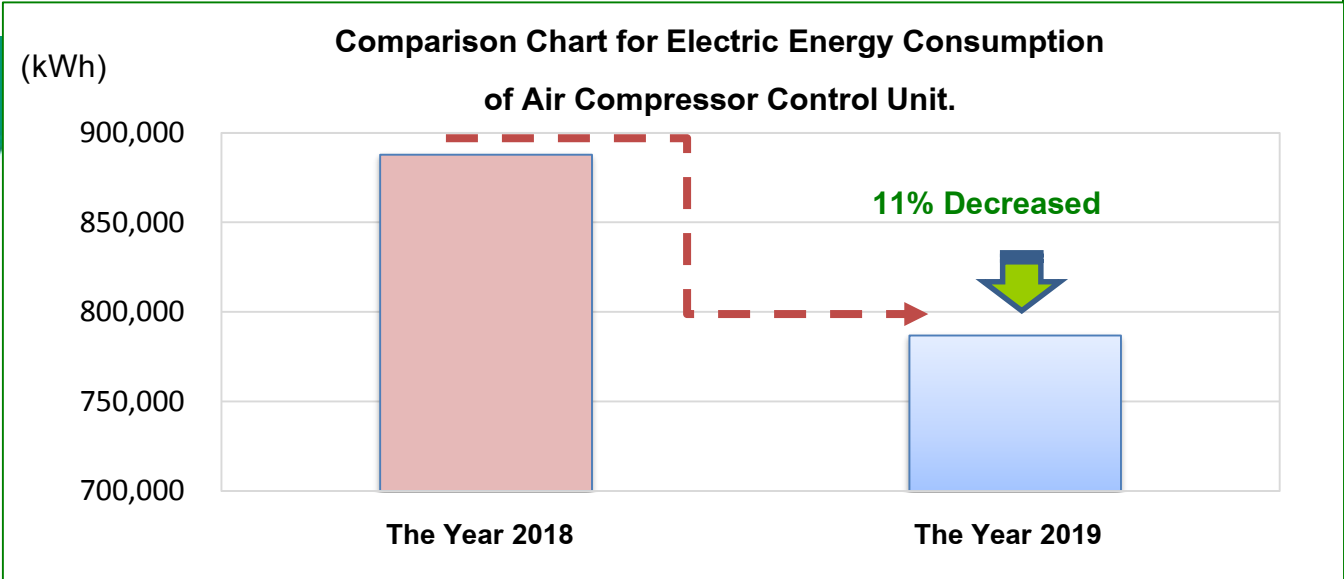


The electric energy consumption of the newly-installed air conditioners is 26,323 kWh/year.

Guidelines for reducing the Electrical Energy consumption.

2.) Air Leakage Reduction/Correction for machines and conveyor system within the production areas.

After we performed the air leak surveys covering the machines and piping system, 35 air leak points were detected and corrected. This helps in reducing the electric energy consumption of air compressor control unit by 11% or 101,031 kWh.



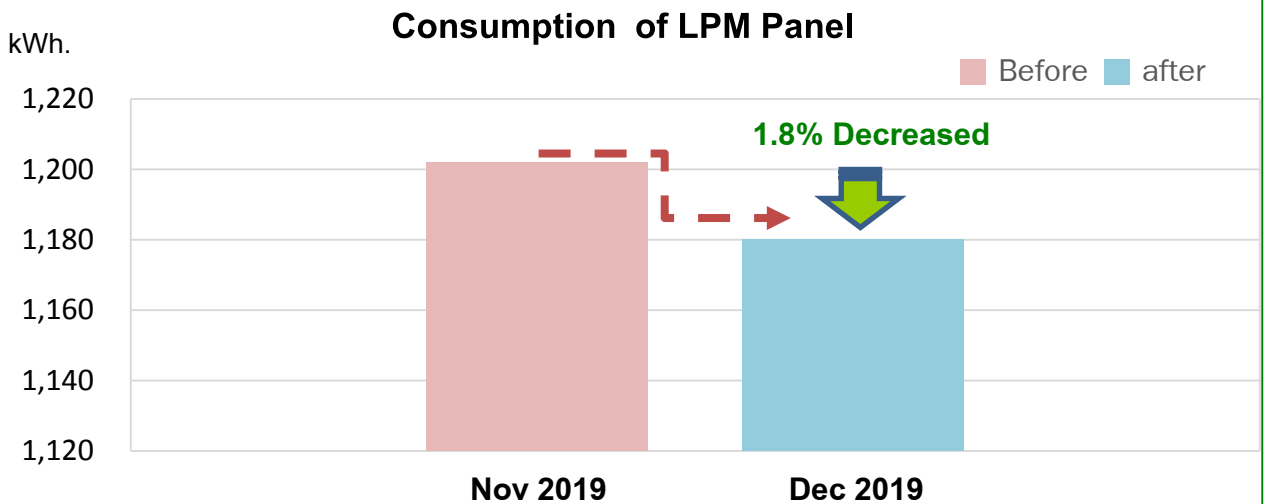
Guidelines for reducing the Electrical Energy consumption.

3.) Reducing the number of LED tubes in the area having light intensity exceeding the standard.

From the annual lighting inspection, it was found that the light intensity at the corridor of the factory exceeded the standard criteria required by law (both day and night shifts); therefore, the number of LED tubes was decreased from 2 tubes per lamp to 1 tube per lamp. From this action, **48** LED tubes decreased or representing a **1.8%** reduction of electric energy consumption.



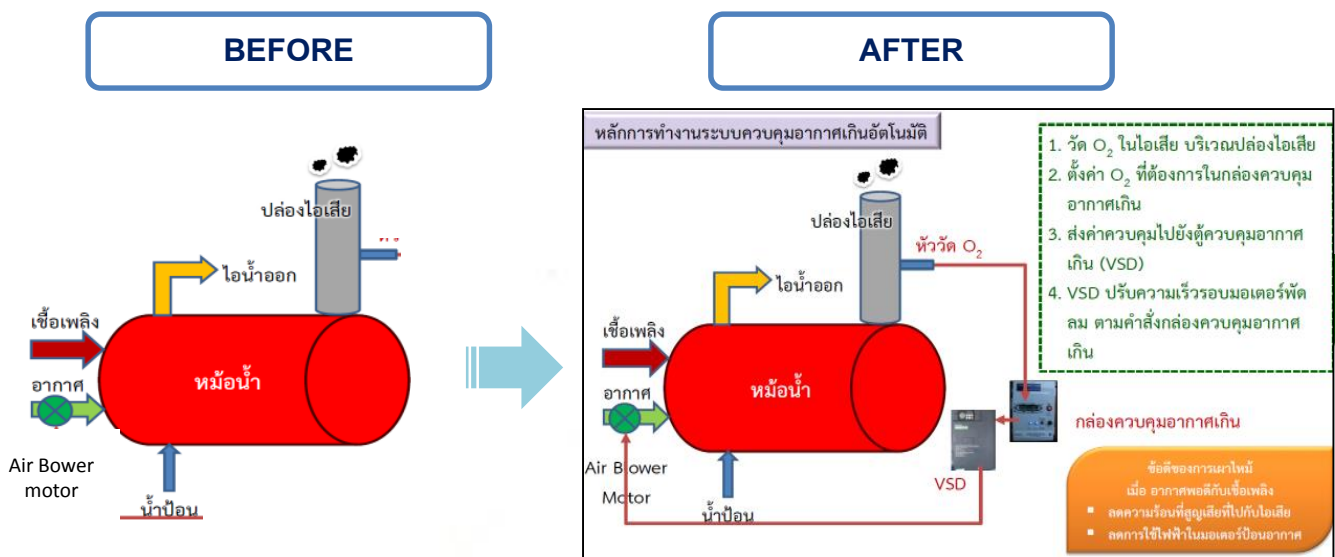
Reducing the number of LED tubes from 2 LED tubes per lamp to 1 LED tube per lamp.



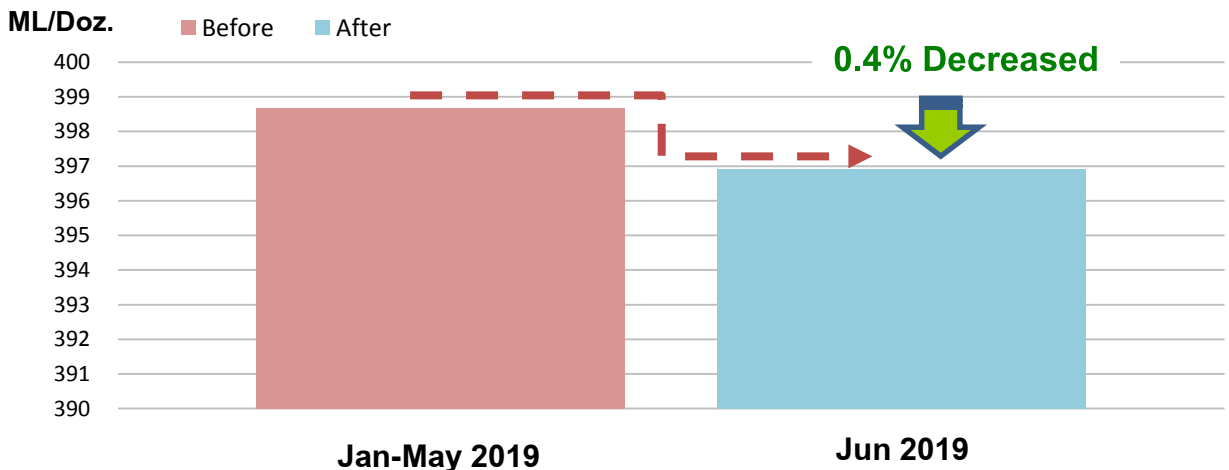
Guidelines for reducing the Thermal Energy consumption.

4.) Installing O₂ system to control the combustion of boilers.

Another effective way to reduce the fuel oil consumption is to control the combustion of boilers to be efficient and effective. Therefore we have installed the combustion control system which uses the sensor to detect the amount of O₂ at the flue and then adjust the amount of combustion air to be appropriate. This helps us reduce the fuel oil consumption by **0.4%/dozen**.



Heavy oil consumption compared to 2019 production volume.

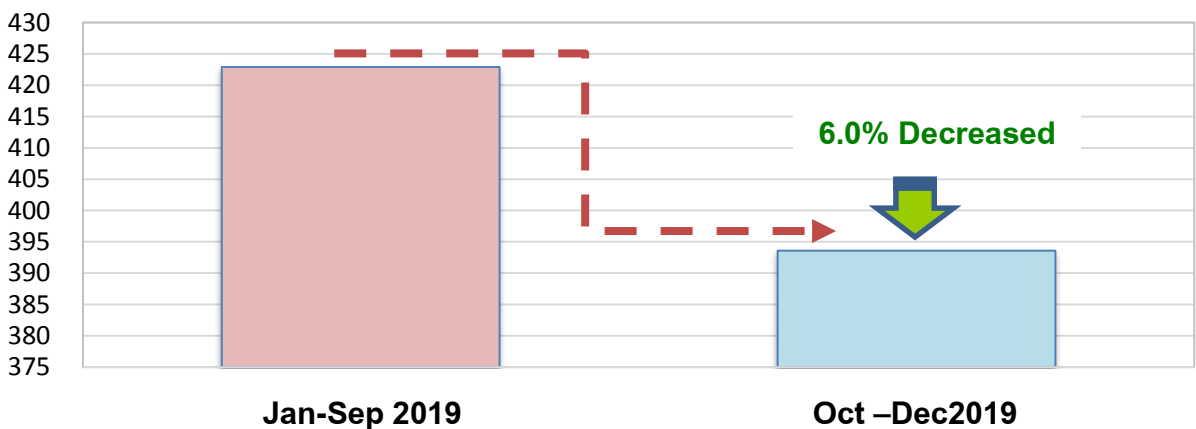


Guidelines for reducing the Thermal Energy consumption.

5.) Leakage Correction for Steam Distribution System.

From the inspection, we detected the steam leaks at pipes, valves, steam trap, gaskets and piping welds. All steam leaks were corrected. Then we performed the leakage inspection systematically, allowing us to reduce the steam energy consumption. As a result of this checking and correction, we could change the size of boiler from 5-ton boiler to a 3-ton boiler instead. This helps us reduce the fuel oil consumption by **6.0%** or **29 ml/dozen**.

Heavy oil consumption compared to 2019 production volume.



Reduction of waste from production process.

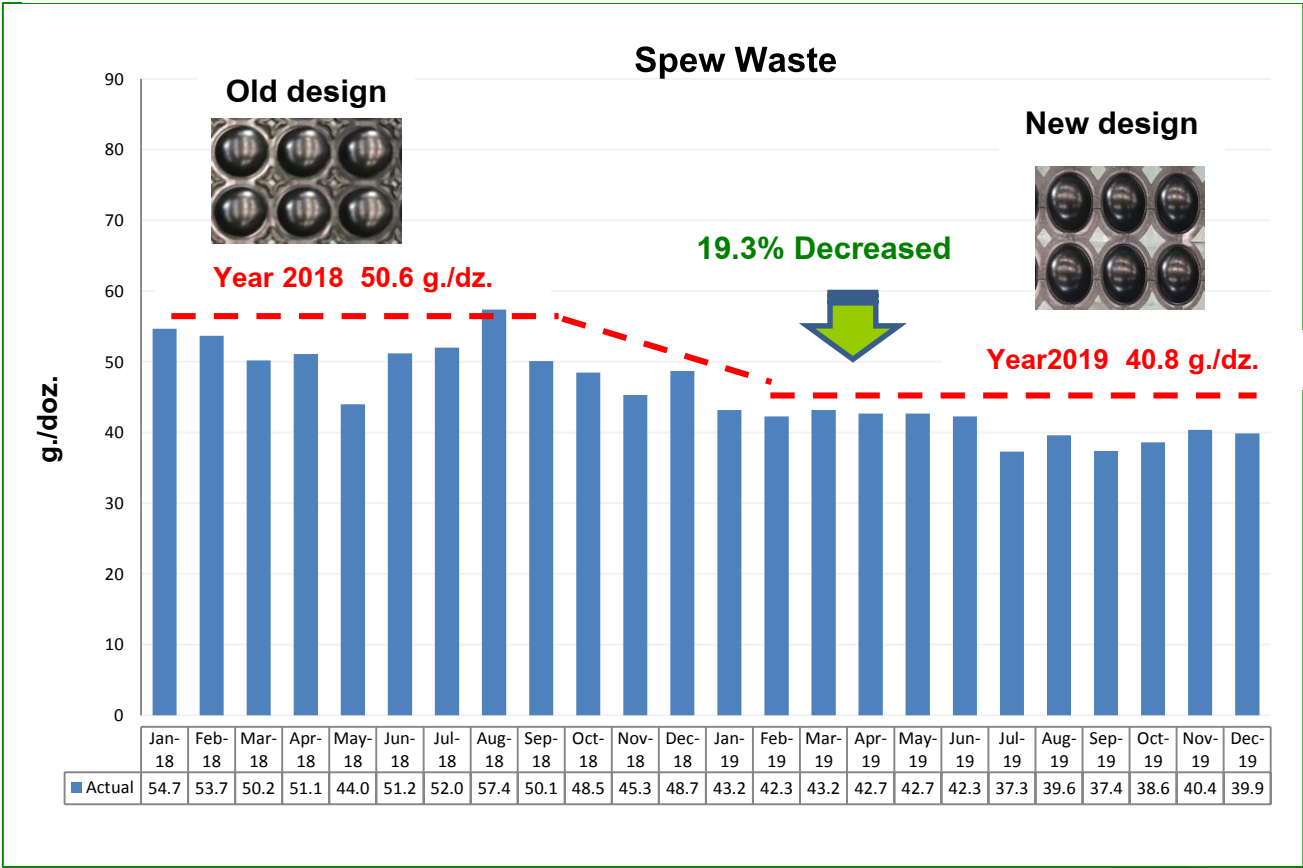
Guideline for reducing waste from production process.

Environmental problems are the problems that require our attention and contribution. To do so, we developed two following projects for reducing waste from production:

1.) Reducing waste from production process – Rubber scrap.

From our production process, large amount of unrecyclable rubber scraps has arisen. Unavoidably this unrecyclable rubber scraps must be disposed by external disposition service provider which has a relatively high cost.

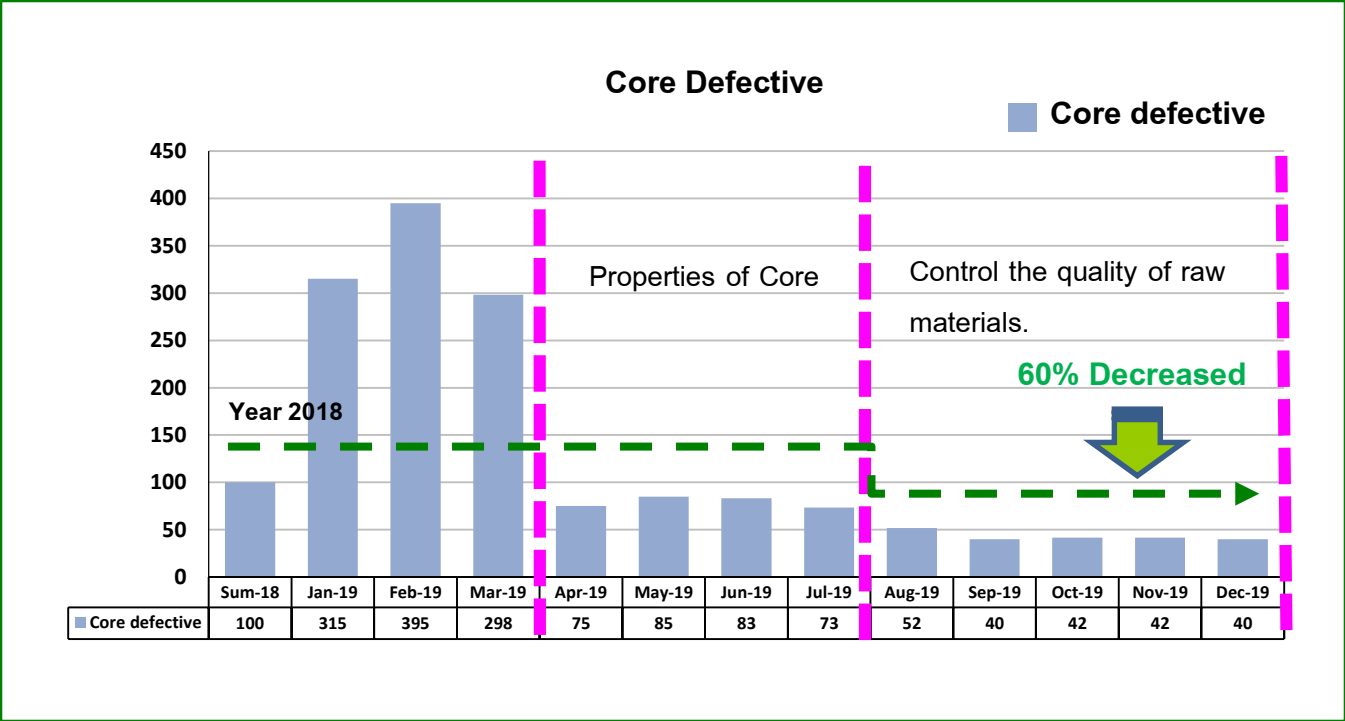
Thus, to reduce this rubber scraps, we have designed and used a new model of mold that helps us reduce the rubber scraps up to 19.30% or 9.76 grams per dozen.



Reduction of waste from production process.

2.) Reducing waste – Defective cores.

We have experienced the increasing defective cores in January and February. Therefore, we tried to figure out the solutions and improvements since the beginning of 2019. Until the end of the year, we could reduce the waste by 60% compared to amount before improvement.



Environmental and Safety Activities

Emergency Drills



Chemical spill response and clean up training.



Basic fire fighting training and annual fire evacuation drill, attended by 100% of company employees (both day and night shifts).

Environmental and Safety Activities

Energy Conservation and Occupational Health, Safety, and Environmental Fair



The singing contest for safety awareness enhancement, quiz, and games.



Recycling competition, quiz, and games.

Corporate Social Responsibility (CSR)

Reforestation project to commemorate Her Majesty Queen Sirikit and reduce the Global Warming



Employees and executives together planted 2,000 trees at the Baan Makatho Community Forest Project. Thung Pho, Nadi District, Prachinburi Province.

Corporate Social Responsibility (CSR)



Employees and executives jointly conducted educational activities. About primary fire fighting Complete with hand-held fire extinguishers Donated TVs for teaching media And join the planting of trees at Chumchonbantungpho School, Nadi District, Prachinburi Province.

Energy Conservation in the Employee Perspective



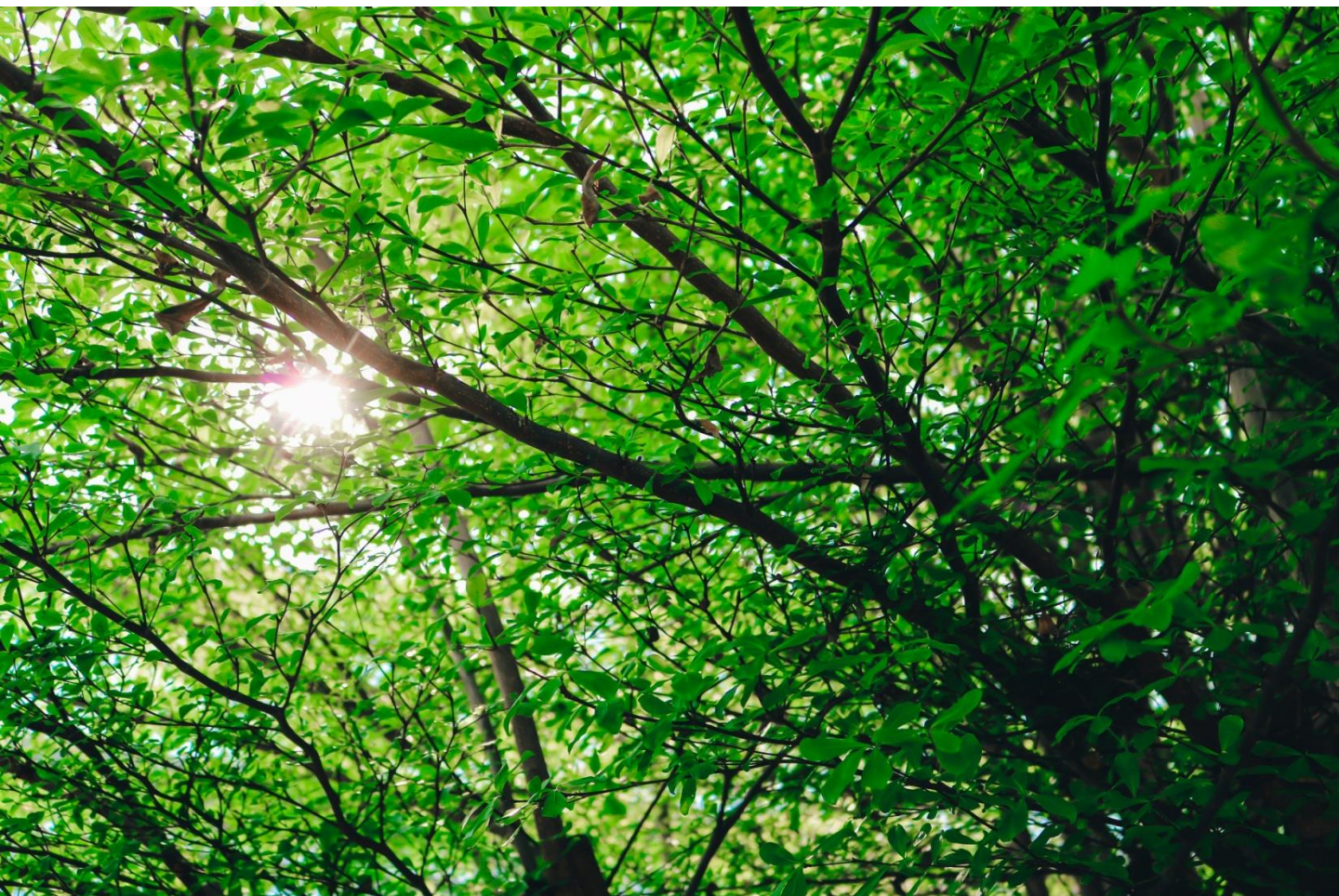
Energy is a key factor of human life. Moreover, it is also an essential factor of business and industry sectors. This results in the energy/power consumption that has increased rapidly and causes global warming. Creating an energy conservation & preservation project within the company is very beneficial. Requirements of project can more or less help reduce energy consumption. In addition, due to the public relations and communications of energy conservation conducted throughout the company, the employees can apply the knowledge acquired in their daily life in order to reduce energy usage and global warming as well.

I think the energy conservation is a must-do. It should be carried out not only in the workplace or areas where the energy conservation campaign is implemented but also in residences and any other places, because the energy conservation is beneficial to both our mother earth and all of us.



In our company, many energy conservation measures and environmental measures have been implemented like reducing unnecessary electricity usage, and waste sorting. This is such a good activity that creates a good corporate image, and in the meantime it generates cost savings.

SRIXON[®]



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