

บริษัท ที.กรุ๊ปอุตสาหกรรม จำกัด (มหาชน)
T.KRUNGTHAI INDUSTRIES PUBLIC CO., LTD.

Profit



People



Planet



Sustainability Report 2020

รายงานความยั่งยืน 2563

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About Sustainability Report

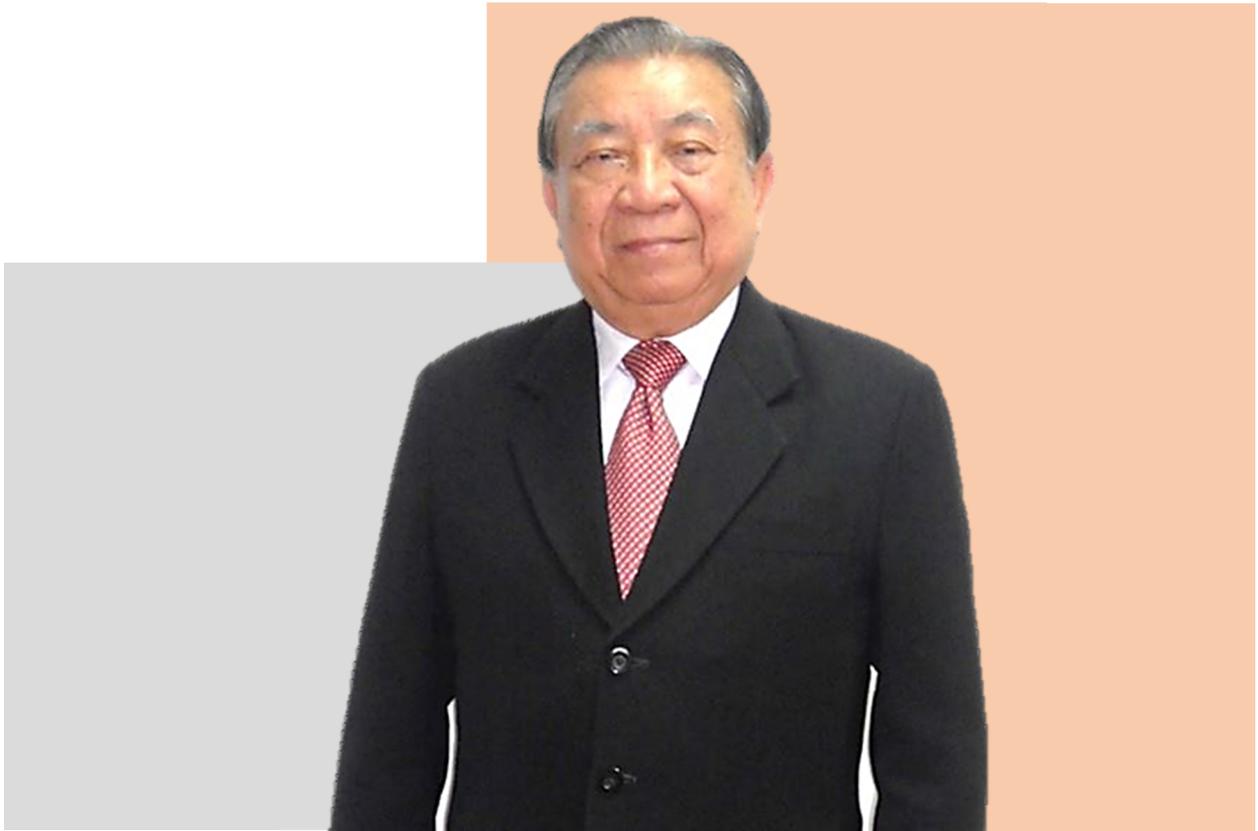
T. Krungthai Industries Public Company Limited has prepared the Sustainability Report for the year 2020 for the third year to communicate information to the shareholders and stakeholders in all sectors of the company to acknowledge Management guidelines and performance on sustainability covering economic, social and environmental aspects to lead to the company's sustainable business operations in the future while maintaining the format of presentation according to the guidelines of reporting of the Securities and Exchange Commission and Stock Exchange of Thailand.

This sustainability report has covered the performance during 1 January to 31 December 2020 and is based on the guidelines of the sustainability reporting of Global Reporting Initiatives Guideline Version 4.0 (GRI) in preparing the presentation and analyzing the relationship linked with the United Nations Sustainable Development Goals (Sustainable Development Goals: SDGs) in order to present the sustainability performance to all stakeholders.

The preparation of this sustainability report has been verified the completeness covering important issues related to the organization and interested parties by the Executive Committee and the board of directors as well as this report has been published on the website www.tkrungthai.com to increase the opportunity to access information of interested parties and other interested parties.

T.Krungthai Industries Public Company Limited.

Message from the Chairman of the Board



T. Krungthai Industries Public Company Limited engages in the manufacturing of plastic parts for the automotive and electrical appliances industry as well as plastic injection mold production by giving priority to operating the business under the responsibility to the economy, society and environment. The Company is committed to operating the business according to the principles of good corporate governance, risk management, supervision of company to comply with the law, Rules and Regulations of the relevant agencies and anti-corruption by integrating works to achieve efficient, effective and good quality management to lead to sustainable growth and the strength of the business.

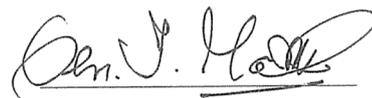
The company has developed sustainability operations continuously and linked them to the strategy and the operations of the organization, which are defined in the vision, mission, ideology and core values of the company combined with the corporate governance policy and the Company's Business Ethics Manual. In addition, business planning is harmonious and encourage creativity and innovation in business and society at the same time by focusing on building relationships with the surrounding communities in order to develop a better quality of life for people in the community as well as the participation of all groups of stakeholders according to the policy of corporate social responsibility approved by the Board of Directors in order that the executives and all employees have continuously taken it to practice as a guideline.

Year 2020 is a challenging year and the year of changes of the world due to the epidemic of the COVID-19. The company has implemented measures to strictly prevent the spread of COVID-19 according to the announcement of the Department of Disease Control, The Ministry of Public Health. The company has prepared a risk management plan and practice emergency response plans in the event of an epidemic of the COVID-19 in factories to control the risk to the acceptable and manageable level so that the organization can achieve the objectives according to the planned goal.

From operations with determination and intention, the company has been certified for the quality and awards from relevant departments on an ongoing basis, such as: 1. Certification of environmental management system standards (ISO14001: 2015) 2. Member of the Collective Action Coalition Against Corruption (CAC) 3. Best Achievement Target JIT Award 2019 by Toyoda Gosei (Thailand) Co., Ltd. 4. Evaluation of "Excellence" score from the Corporate Governance Assessment Program of the Thai Institute of Directors Association 5. Assessment of the quality of the General Shareholders' Meeting for the year 2020 are 100% full for the third consecutive year from the Thai Investors Association.

The company has carried out various activities to promote and focus on supporting social activities to improve the quality of life of employees and the surrounding society, for example 1. Activities supporting gifts and sports equipment on the occasion of the National Children's Day; 2. Blood donation activities for the Thai Red Cross Society; also recognizes the importance of employee development, especially the application of modern technology for efficient data analysis, decision-making and defining policy. Therefore, training in technology and information is organized for employees at all levels in order to upgrade the competence of the employees to keep up with the changes in technology and business competition in the future.

On behalf of T.Krungthai Industry Public Company Limited, I am pleased to have the opportunity to push and support the responsibility of environment and society throughout supporting the employees, customers, society and all interested parties in participating the social responsibility in developing the country and Thai society sustainably.



(General Terdsak Marrome)

Chairman of the Board

T.Krungthai Industries Public Company Limited.

January, 2021

Business

T. Krungthai Industries



T.Krungthai Industries Public Company Limited.

Stock Code	TKT
Establishment Date of Company	4 November 1980
The Date of trading on the stock exchange	30 September 2004
Registered Capital	350,780,000 Baht
Registered Paid-up Capital	237,780,000 Baht
Industry group	Industrials
Business category	Automotive
Total employees	1,035 (Number of actual operating employees as of December 31, 2020)
Chairman of the Board	General Terdsak Marrome
Head Office	23 Soi Chan 43 Yak 21, Tungwatdon, Sathorn, Bangkok 10120
Telephone	02-211-2762
Fax	02-212-4864
Website	www.tkrungthai.com
Business	Operate the business of manufacturing plastic parts for the automobile industry and related industries

Company Information

T. Krungthai Industries Public Company Limited was established on November 4, 1980 (established as Krungthai Industrial Partnership Ltd., on September 16, 1973) from operating business about plastic parts plating with chrome and gold. Later, the company developed into a manufacturer of plastic parts, including painting, color printing, assembling plastic parts and provide mold design, manufacture and repair services to produce plastic parts. As a result of continuous business growth, in 1990 the company moved to a larger factory in Bang Phli District (King Kaew Road, Samut Prakan Province) with a working area of 10,200 square meters, with more than 1,000 employees and 80 plastic injection machines. In 2003, the company established a second factory in Kabinburi district, Prachinburi Province and in year 2004 the company established the third factory at Suwinthawong Road, Chachoengsao Province. As a result, the company has continued to grow, the company has gained confidence and satisfaction in production quality from customers and all groups of stakeholders.

Address information and Contact channel

- Registered number: 0107547000010
 Head Office 23 Soi Chan 43 Yak 21, Tungwatdon, Sathorn, Bangkok 10120
 Telephone +66 (0) 2 211-2762, 211-3732 Fax +66 (0) 2 212-4864

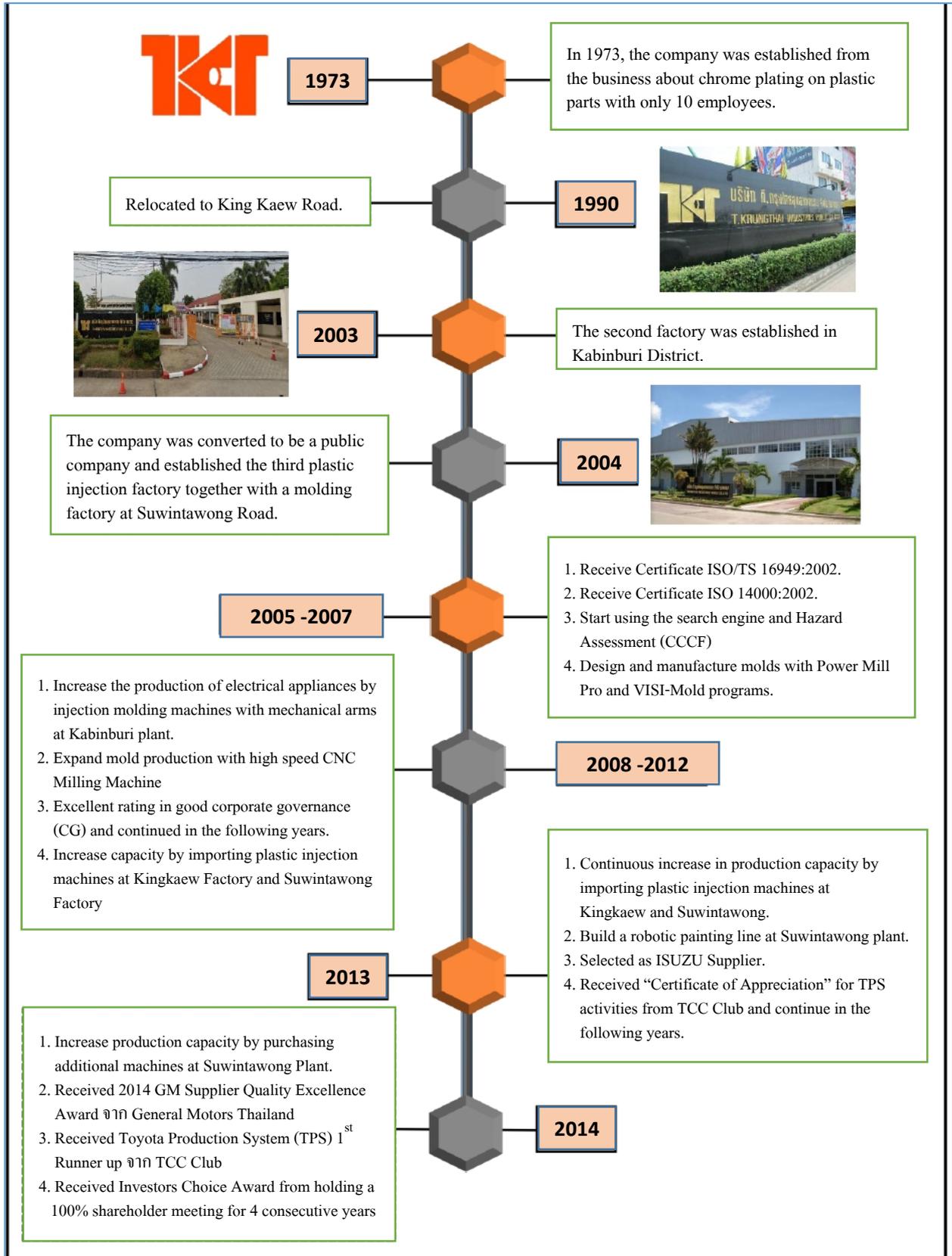
- Kingkaew Factory 59 Mu 6, Kingkaew rd., Rajateva, Bangplee, Samutprakarn 10540
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- Kabinburi Factory 517 Mu 9 Soi 14 Kabinburi Industrial Estate, Nongki, Kabinburi, Prachinburi 25110
 Telephone +66 (0) 37 455-430-3, +66 (0) 37 455-435 Fax +66 (0) 37 455-434

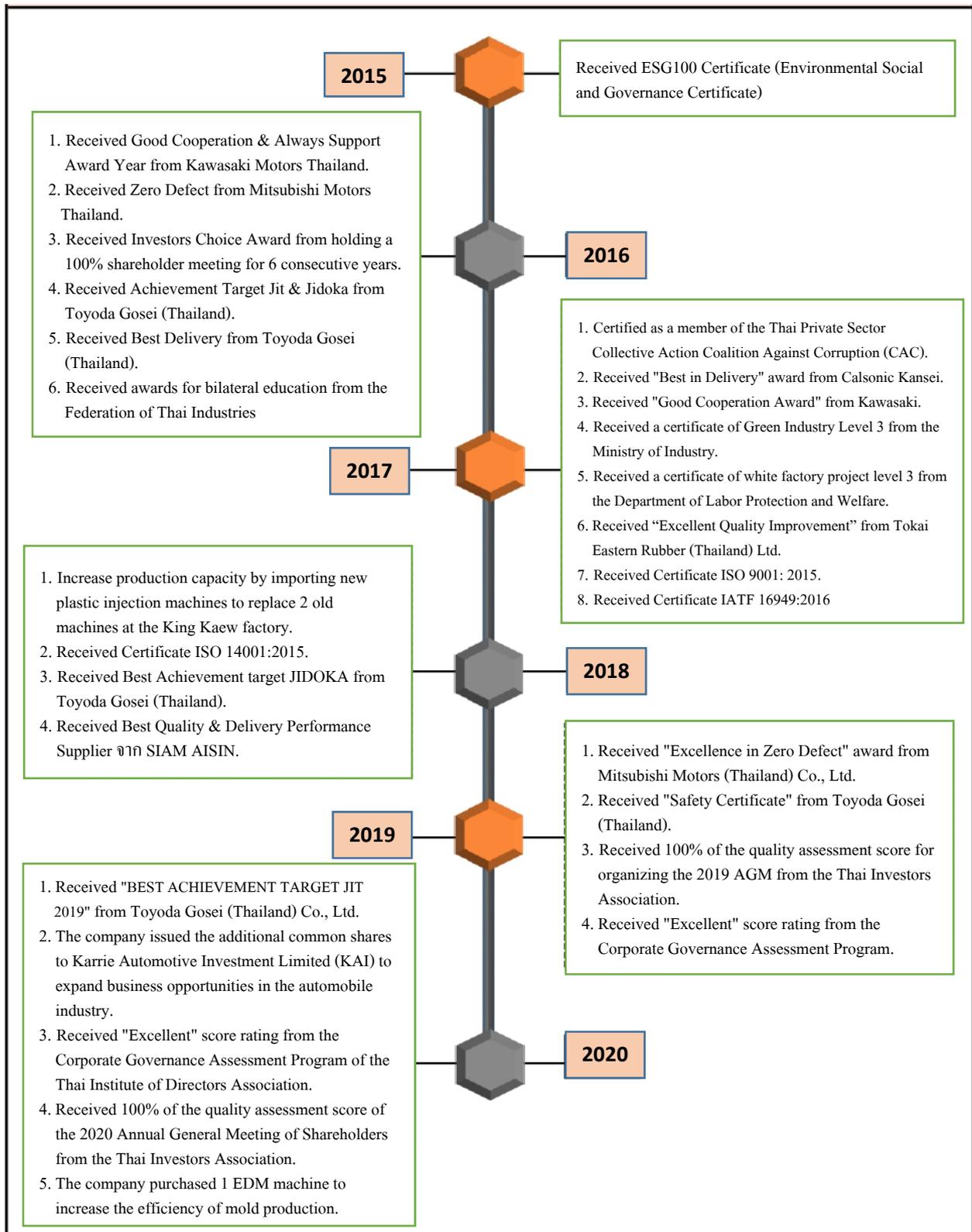
- Suwintawong Factory 28/4 Mu 1 Suwintawong Road., Klong Udom Cholajorn, Maung, Chachoengsao 24000
 Telephone +66 (0) 38 593-334-41 Fax +66 (0) 38 593-344

- Website www.tkrungthai.com
 - E-mail - Investor Relation: investor@tkrungthai.com
 - E-Mail - Marketing: marketing@tkrungthai.com
 - E-Mail - Human Resources: hrd@tkrungthai.com
 - E-Mail – Audit Committee (independent): independent@tkrungthai.com

History of T. Krungthai Industries Public Company Limited



History of T. Krungthai Industries Public Company Limited



Vision Mission Ideology and Core Values

Vision

“Leader of plastic automobile component production service providers and related industries in terms of quality and service, providing rewarding returns to all stakeholders.”

Mission



Picture 1 Core Values

- **Clarity:** There is a systematic process of thinking, listening, speaking and writing. They can choose to use appropriate words, messages or means of communication in order that the recipient can correctly understand the meaning and perform work to achieve the target
- **Top Down:** Have a positive attitude in being an educator to develop subordinates with teaching techniques, consultation and mentoring in order to encourage employees to express their abilities in performing their works and duties properly and efficiently to achieve work standard and goals as specified
- **Commitment:** They are determined, dedicated, focused on their work by knowing how to analyze, search for alternatives and continue to work in every way in order to achieve the targets according to the purpose, schedule and time specified
- **Level-Up:** Have a good attitude towards learning, always ready to develop themselves and support their subordinates to develop in terms of knowledge, skills, attitudes and good behavior in working in order to continuously improve performance
- **Professional:** There is clear communication in the jobs and has the qualifications to be a good teacher by doing whatever in order to accomplish the task and continuous work development

Ideology



Customer

To fulfill customers' requirements in terms of quality and service



Business

To enhance the opportunity of business growth



Management

To improve administration system, production system, and quality control system to reach universal standards



Person

To promote human resource potential and provide continual knowledge



Communicat

To develop effective Organization-wide communication system internally and externally



Relation

To promote good images and relationship to all stakeholders

Sustainable Development Ideology



Uphold principles of corporate good governance



Pursue optimum business excellences



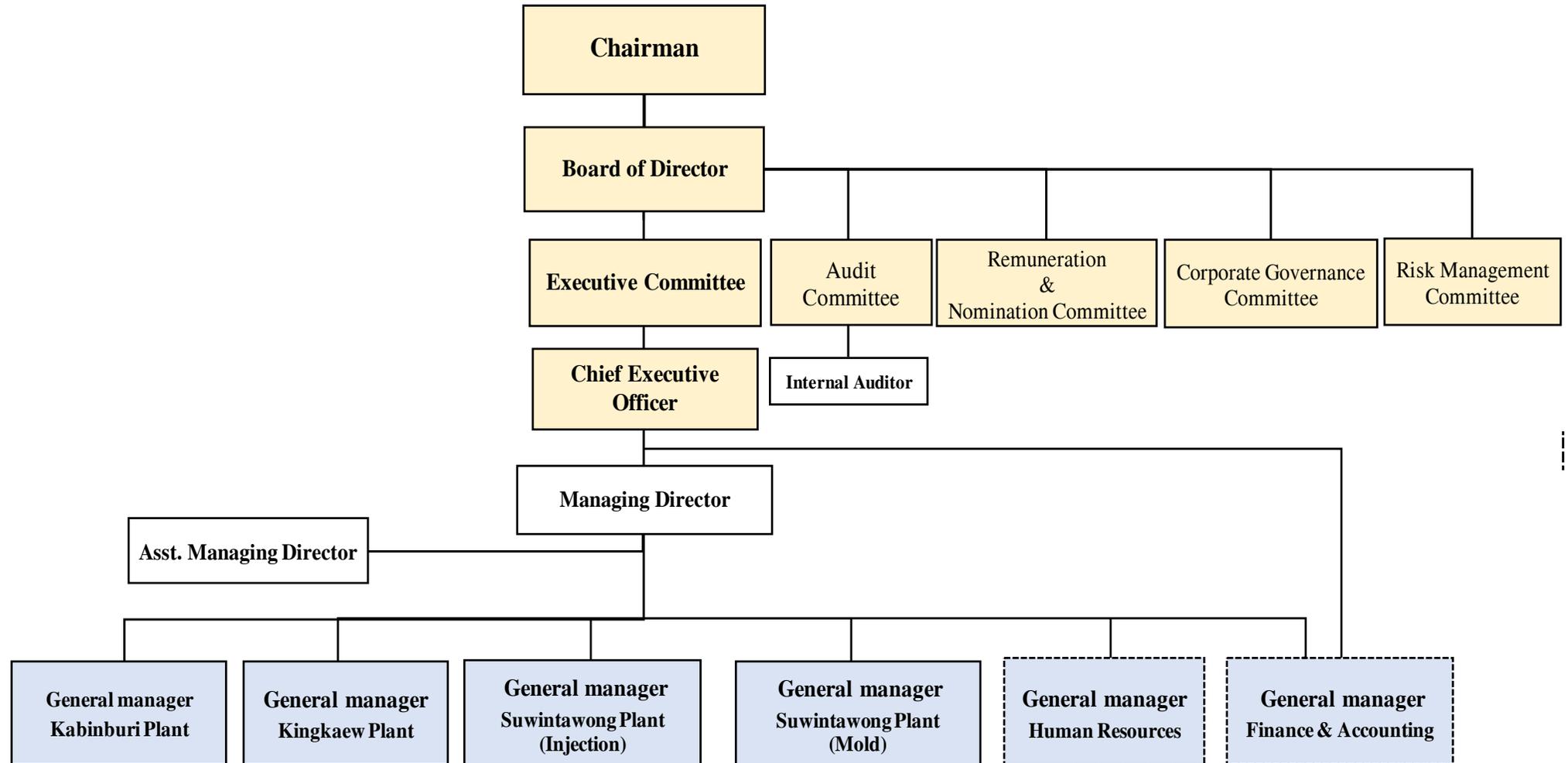
Believe in human values



Put emphasis on social responsibility

Picture 2 Ideology and Sustainable Development Ideology

Organization Chart: T.Krungthai Industries Public Co.,Ltd



Picture 3 Organization Chart

Achievement Award 2020



Best Achievement Target JIT 2019
Toyota Goze (Thailand) Company Limited



Has been renewed Collective Action
Coalition Against Corruption: CAC

Picture 4 Achievement Award 2020

Result of Corporate Governance Assessment of Thai Listed Companies

The Company has been rated "Excellent" by the Corporate Governance Report of Thai Listed Companies Program of the Thai Institute of Directors Association from the survey of Thai listed companies for 6 consecutive years.



Quality Assessment of Annual General Meeting of Shareholders

The company received the quality assessment score of the 2020 Annual General Meeting of Shareholders (full score of 100), the company received a score of 100, which is excellent level from the Thai Investors Association for 3 consecutive years.



90-100 = Excellent / 80-89 = Very Good / 70-79 = Good / 60-69 = Fair / 50-59 = Pass

Stakeholder participation

The company gives importance to all stakeholders which have roles and importance to the success of company operation. Operations in various dimensions to achieve success and long-term sustainability, the company will disclose information with honesty, transparency and credibility along with improving the participation of all groups of stakeholders through various communication channels such as holding meetings, visiting factories raising questions or expressing opinions with the management team closely in order to make the company know the expectations of each group of stakeholders and be able to consider appropriate and fair responses to each group of stakeholders.



Picture 5 Stakeholder participation



Stockholders

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Good performances and a secure growth. - Transparent operation Verifiable. - Regular, comprehensive Communication. 	<ul style="list-style-type: none"> - Hold Stockholder annual meeting, once a year. - Participate Opportunity Day to meet with investors, 2 times a year. - Hold an industry visit for stockholders, once a year. - Publicize information through company website www.tkrungthai.com Set a suggestions and complaint system 	<ul style="list-style-type: none"> - Do business following a policy, principle and regulation from The Stock Exchange Market of Thailand



Board of company

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Transparent operation. - Fairly treat to every stakeholder group. 	<ul style="list-style-type: none"> - Hold board meetings, quarterly at least Provide sufficient, complete information in time Participate in business monitoring. - Develop necessary related knowledge. 	<ul style="list-style-type: none"> - Do business following a policy, principle and regulation from The Stock Exchange Market of Thailand



Staff

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Appropriate wages and welfare. - Ecurity and work progress. - A continual development of knowledge and abilities. - Relaxation activities and a balance of life and work for safety and better life quality. 	<ul style="list-style-type: none"> - There is a comparison of returns and welfare in the same industry and organizing in-house and outside training to increase skills for employees. - Organize welfare activities for employees such as health checks, providing scholarships to employees' children, giving things to help employees during the COVID-19 epidemic situation, etc - Set a survey system to plan staff training programs as needed (Training Need). - Provide communication channels for staff opinions and suggestions 	<ul style="list-style-type: none"> - Fairly treat to staff, continually develop staff 'knowledge and abilities. Pay wages and fringe benefits comparable to other companies of a same industry. Organize a safe environment appropriate for working efficiently.



Customers

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Satisfaction in products, with quality products and excellent services. - Readiness to fulfill customer's needs. - Keep customer's secret. 	<ul style="list-style-type: none"> - Do a survey of customer's satisfaction once a year. - receive customers' suggestions and complaints 	<ul style="list-style-type: none"> - Emphasize and provide products that can fulfill customer's needs. - Build up staff' capacity in order to present products and services that can respond customers' need in every aspect. - Keep customers secret as a part of company code of conducts and staff ethics to hold strictly and maintain a regular communication to staff



Trade partners

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Operate business with 	<ul style="list-style-type: none"> - Meet a partner - Participate in activities to strengthen relationships in various ways, such as participating in sports activities to build close relationships, etc. - Receive suggestions and 	<ul style="list-style-type: none"> - Follow the conditions and contracts agreed with the business partners.



Creditors

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Pay interest and pay capital as scheduled. 	<ul style="list-style-type: none"> - Receive suggestions and complaints. 	<ul style="list-style-type: none"> - Abide by contract or various conditions according to the agreements and duties that should be made to both



Community, environment and society

Needs	Procedures	Operating methods
<ul style="list-style-type: none"> - Support community's activities. - Take care of environment. 	<ul style="list-style-type: none"> - Explore the needs of the community and society, listen and exchange ideas according to the community meeting program including organizing activities for social and environment such as blood donation with the Thai Red Cross Society, giving gifts and sports equipment to schools, tree planting, etc 	<ul style="list-style-type: none"> - Run business with ethics, along with a care for social and environment responsibility, including giving supports for community public activities, developing society and community environments and encouraging staff to participate in activities.

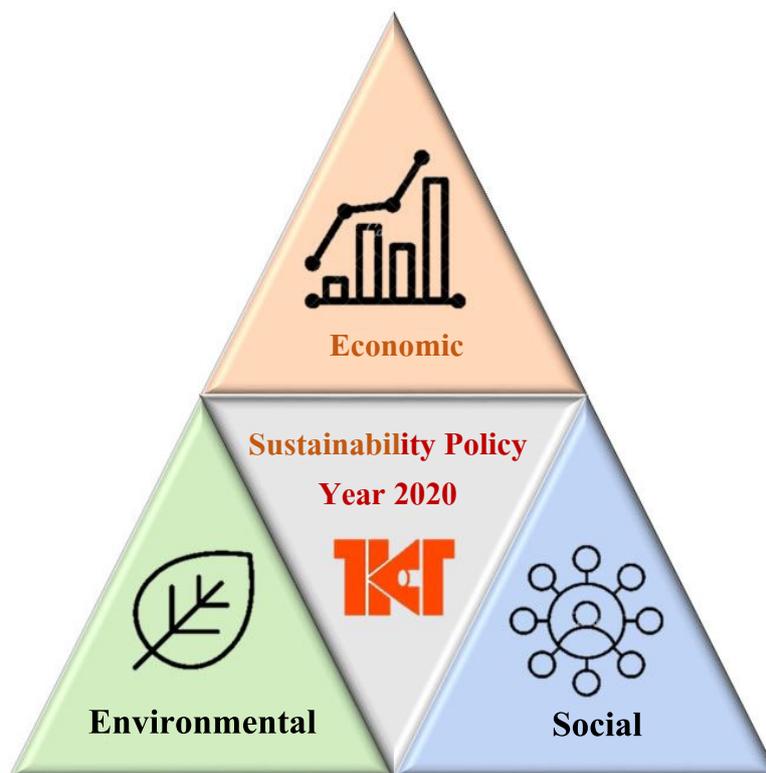
Table 1 Stakeholder participation

Sustainability Policy Year 2020

The company has a policy of conducting business with a focus on creating quality in 3 aspects to make balance among economic, social and environment to achieve goals according to the vision and mission of being a Leading company in automotive plastic parts manufacturing and related industries with responsibility to stakeholders and society. It represents a framework for operating with responsibility towards society, environment and all stakeholders.

Economic Performance

- | | |
|--|----------------------------------|
| 1. Business Overview and Performance | 5. Risk Management |
| 2. Good Corporate Governance | 6. Responsibilities to Consumers |
| 3. Business management with corporate governance | 7. Relationship with Investor |
| 4. Anti- corruption practice | |



Environmental Performance

1. Environmental Care
2. Efficient use of resources

Social Performance

- 1 Human Rights
- 2 Fair Labor Practices
- 3 Safety and Health of Employee
- 4 Community Development and Social

Picture 6 Sustainability Policy Year 2020

The image features a light orange background with a large, semi-transparent brown circle in the center. Two grey line graphs with black circular markers are positioned diagonally, one in the upper left and one in the lower right, both showing an overall upward trend. A large grey arrow points from the bottom right towards the top right, passing through the brown circle. The word "ECONOMY" is written in large, white, bold, sans-serif capital letters across the middle of the brown circle. Below it, the Thai text "เศรษฐกิจ" is written in a similar white, bold, sans-serif font.

ECONOMY

เศรษฐกิจ

Business Overview and Performance (Economic)

The Company's products are classified into two categories:

1. Injection Molding

- Automotive Industry
- Electric Industries
- Other Industry

2. Mold Production and repair

Performance from T.Krungthai Industries Public Co., Ltd. Year 2020

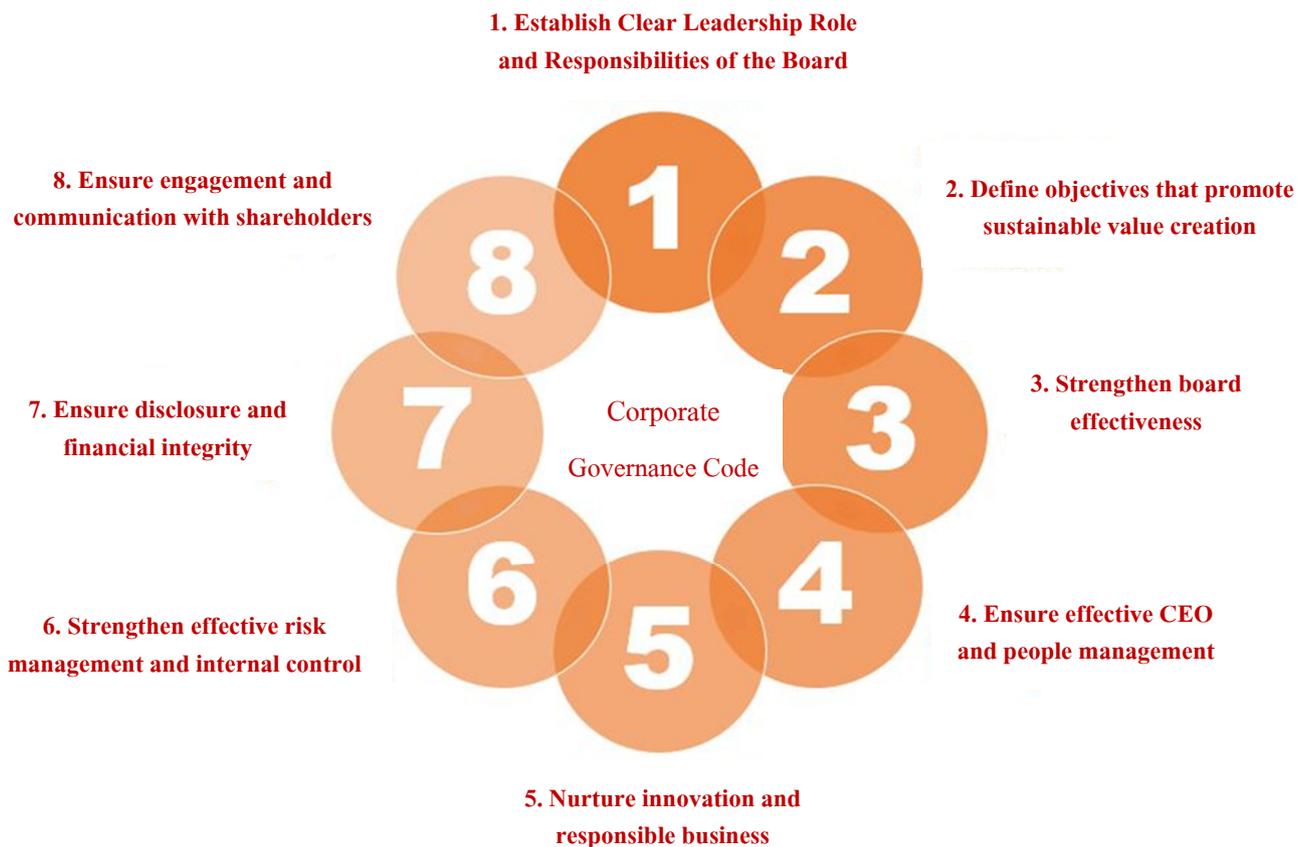
Economic info	unit	2017	2018	2019	2020
Economic value added building (Financial statement)					
Ordinary share information (baht)					
Par value of shares (baht)	baht	1	1	1	1
Book value per share	baht	2.08	1.90	2.03	1.79
Earnings per share	baht	-0.24	-0.17	0.06	-0.17
Operating results (thousand baht)					
Revenue from sales	baht	1,072,666	1,171,219	1,287,214	1,011,628
Total revenues	baht	1,080,637	1,178,724	1,301,723	1,018,834
Net profit	baht	-51,325	-36,754	12,208	-36,557
Balance sheet (thousand baht)					
Current assets	baht	338,034	433,087	465,396	453,450
Total assets	baht	1,093,037	1,134,880	1,161,313	1,131,275
Current liabilities	baht	624,228	692,904	670,436	651,039
Total liabilities	baht	648,723	727,320	727,337	706,378
Issued and Paid-up Share Capital	baht	214,000	214,000	214,000	237,780
Shareholders' equity	baht	444,314	407,560	433,976	424,897
Financial Ratio					
Return on Equity/ ROE	%	-12.45	-8.63	2.90	-8.51
Return on fixed assets	%	-7.62	-5.39	1.87	4.42
Return on assets / ROA	%	-4.78	-3.33	1.06	-3.19
Gross profit	%	9.31	11.03	13.83	13.24
Current ratio (CA/CL)	times	0.54	0.63	0.69	0.70
Liquidity ratio	times	0.52	0.60	0.64	0.64
Debt to Equity ratio	times	1.46	1.78	1.68	1.66

Table 2: Business Overview and Performance (Economic)

Good Corporate Governance

The company is committed to operate its business under the principles of good corporate governance for sustainable growth by instilling corporate culture, ethics and business ethics to employees at all levels as well as drive and develop operations to be efficient, transparent, fair and auditable which is in accordance with good corporate governance guidelines for the companies listed in 2017 (Corporate Governance Code) of the Office of the Securities and Exchange Commission Principles and Practices of good corporate governance of the Stock Exchange of Thailand including various related guidelines

The board of directors, executives and all employees have roles and responsibilities in performing their duties in accordance with the corporate governance policy and business ethics to create sustainable growth and achieve good long-term performance as well as create confidence and value for the organization, shareholders and stakeholders of all groups.



Picture 7 Good Corporate Governance

Business management with corporate governance

T. Krungthai Industries Public Company Limited is committed to conducting business with fairness. With confidence that conducting business with fairness will result to the continuous growth of the Company together with the creation of value, confidence and benefits for stakeholders, economy, society and environment sustainably in the long run. The Company has adhered to conducting business in accordance with fair rules and regulations under the legal framework and ethics of the company without any dishonest acts which may be harmful to each other. Additionally, the Company will neither seek trade secrets and specification of competitors by unlawful means nor violate the non-disclosure agreement of competitors regardless from customers nor other people. The Company is ready to strictly adhere to business ethics to maintain and add good value to the organization and the related stakeholders. The details are as follows.

Trading parties The company has a policy to treat business partners equally and fairly by taking the best interests of the company into account. The policy is based on fair and equal receipt of return for both parties and on avoiding situations that may cause a conflict of interest. The company strictly complies with its commitments, provides accurate information, correct reports and follows negotiations to find solutions for problems based on the level of business relationship.

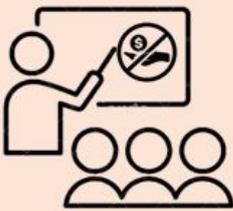
Creditors The Company complies with the conditions stated in the loan agreement Customers The Company constantly pays attention and holds responsibilities towards all customers by providing good quality products, prompt service and keep customers' information confidentially.

Competitors the company acts towards competitors in an honest practice. The company does not breach confidentiality or obtain trade secrets of competitors by fraud. The company operates under the rules of good competition practice, does not damage the reputation of trade competitors by accusations.



Picture 8 Business management with corporate governance

Since 2017, the company has announced its intention to join Thailand's Private Sector Collective Action Coalition Against Corruption (CAC) project until 2020, the company has focused on educating and organizing activities with contents about business ethics policy, anti-corruption and corruption and whistleblowing of fraud to enable employees to understand and follow company policies and guidelines correctly. This creates the development and creation of value for business units and organization. In the past 2020, the company has focused on operating business with fairness, which resulted to the company operating business without any disputes in matters related to trade competitors.



Year 2020, the Company had arranged training on business ethics policy, Anti-corruption and corruption and whistleblowing of fraud to new employees 100%



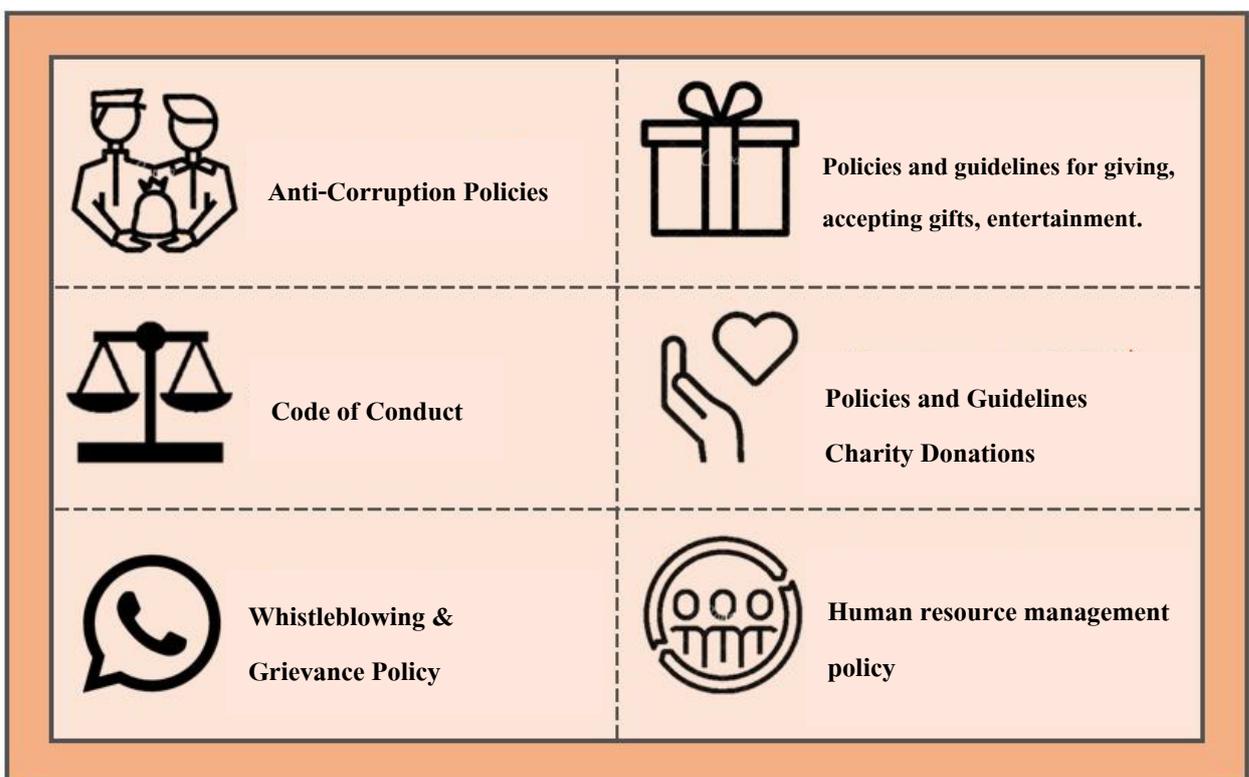
Year 2020, there is no any dispute relating to trade competitor

Picture 9 Summary Business management with corporate governance

Anti- corruption Practice

T.Krungthai Industries Public Company Limited is confident that the stable and sustainable progress of business operations must be based on business operations with honesty along with compliance with the Code of Conduct and corporate social responsibility with the principles of good corporate governance. The company recognizes that the corruption is the root cause of damage of the economy, the society and the nation as well as is a major obstacle to the stable and sustainable growth of the organization. Therefore, the company is aware and gives importance to operations in anti-corruption by cultivating and campaigning for its employees having the awareness and values in the operation with honesty, transparent working process, clear, verifiable, and no direct or indirect action related to corruption.

In 2020, the Company has been renewed “Thailand's Private Sector Collective Action Coalition Against Corruption (CAC) Project”. The Company has continued Anti-Corruption Policy and other relevant policies as well as having a risk assessment process to prevent and suppress corruption by assessing the level of risk and the likelihood of occurrence and the impact on corruption in order to establish preventive measures and continuously monitoring and evaluation. The Company has communicated, trained and arranged the campaigning activities about Anti-Corruption and Corruption for employees at all levels continually to show commitment and intention to be another force in driving corruption out and creating a value of transparency in Thai Society.



Picture 10 Policies anti-corruption

Whistleblowing of misconduct and Complaints

The Company has established a Whistleblowing of misconduct and Complaints Policy, Channels for reporting offenses, Complaints, Investigating crimes and Punishments, Protecting the rights of whistleblowers and related persons, Reporting to relevant committees as well as establishing a mechanism for monitoring and examining whistleblowing of misconduct and grievance for transparency, clarity and efficiency.

The Complaint Handling Unit under the Sustainability Management Department is responsible for collecting whistleblowers, misconducts that violate ethics, complaints and suggestions to report to the Corporate Governance Committee on a quarterly basis for consideration in defining the guidelines of corrective actions to prevent misconducts and other violations of relevant rules and regulations

The Company encourages employees and stakeholders to participate in overseeing operations in accordance with relevant Laws and Regulations and Business Ethics Compliance. If any stakeholder sees any action that is against the law or things that are contrary to the code of conduct, he can report or inform directly to the Complaint Handling Unit of the Company.

 <p>Inform to Audit Committee via email: independent@tkrngthai.com</p>	 <p>Inform to Investor via investor@tkrngthai.com</p>
 <p>Inform to anti corruption Committee via email. whistleblowing@tkrngthai.com</p>	 <p>Inform via sending a letter to Audit Committee of T.Krngthai Industries Public Company Limited, 23 Soi Chan 43, Yak 21 Tungwatdon, Sathorn,Bangkok 10120</p>



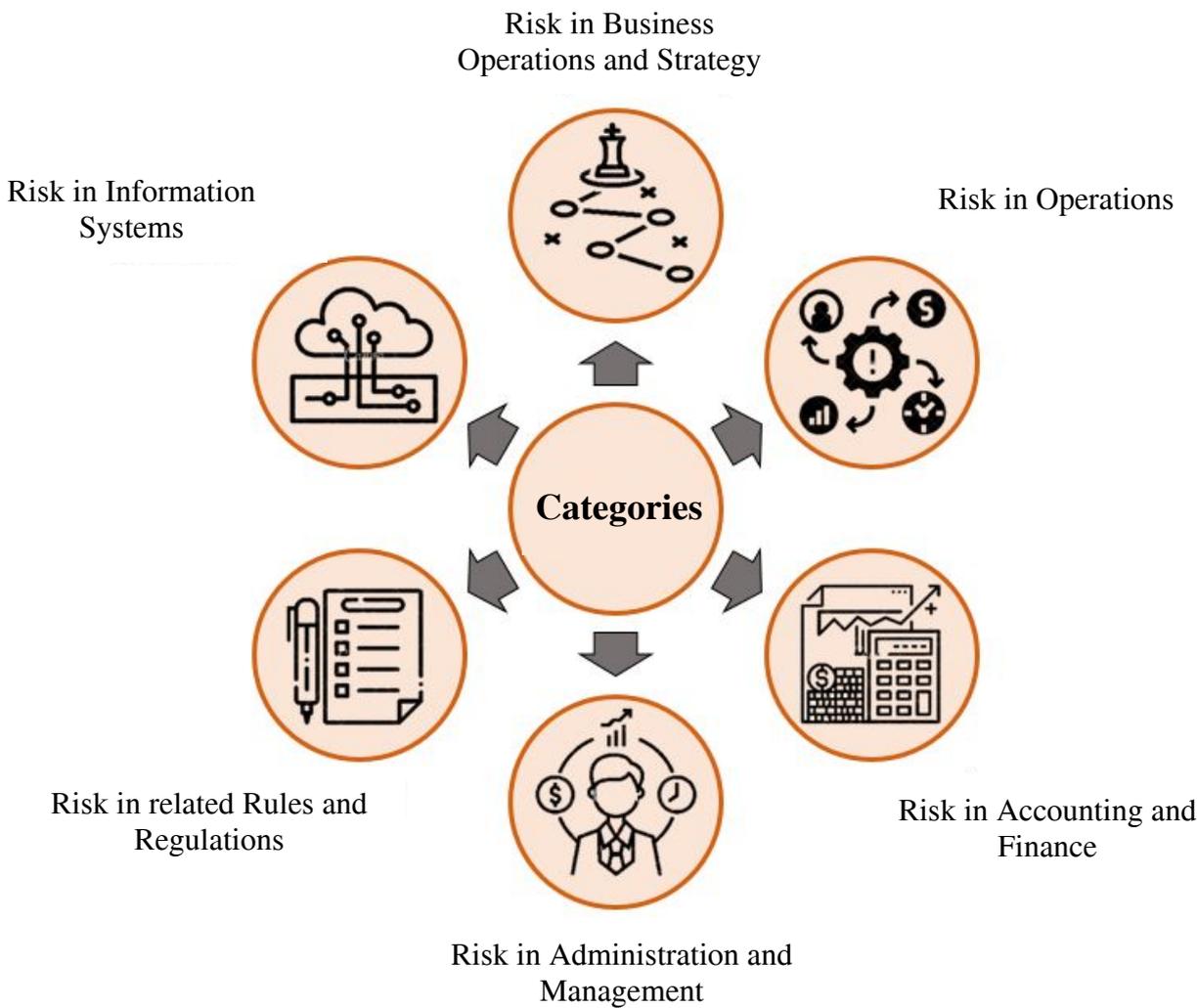
In 2020 there is no complaint about ethical breaches nor
corruption acts.

Picture 11 Whistleblowing channel and summarize the information on fraud reporting

Risk Management

Systematic and effective risk management is a key factor in achieving the objectives and business goals as planned smoothly and can drive the organization towards stable and sustainable growth in the long term and create business opportunities for the company as well

The company realizes that Risk Management is a tool that the company has to use in managing the organization within the framework of risk management. Significant risks will affect to the business operations and the investment of Securities Holders, therefore the company has prepared the Risk Management Manual and appointed a Risk Management Committee to assess and define preventive measures, including setting up a responsible person for monitoring, analysis and management of risks at the operational level throughout the organization by linking the risk management with a strategic plan for organizational management in order to reduce the impact or mitigate the risks that may occur to the organization. The company has determined the types of risks that may affect the business of the company as follows:



Picture 12 Risk Management

In year 2020, The Company has to comply with the regulations of risk management manual and shall conduct a risk assessment in each group every six months and found out that the risk has materialized as follows:

❖ **Risk in Business Operations and Strategy**

The risk in the change of raw material price

If the price of raw material become higher our cost of goods sold will also be higher which will make out profit less

Change of material price has no impact to the company operation as prices quoted to the customers are calculated based on the raw material cost and cost structure and the responsibility on this is given to the marketing dept. to follow up the price change of the raw material and quote the price to customers as per the material cost.

❖ **Risk in Operations**

Risk in Cost of Production higher than competitor due to machinery and technology

If production costs are higher than that of the competitors due to the obsolete / outdated machineries and technology that makes our production waste higher and less production combined with higher maintenance cost and higher cost of goods sold.

Therefore the company has to follow up any changes in technology all the time and send its employees regularly both abroad and locally. In the case of the machineries used for production, we have to check its efficiency on a regular basis and calculate the maintenance cost once a year and make sure that the maintenance expenses won't be high. If the outcome is not satisfactory then the company must take into consideration to purchase new machine.

Risk in lack of raw materials

Material used for production is a special kind of raw material for automotive industry, should the material used is not enough it will affect our production and delivery.

The company control this risk by purchasing the material from trusted and reliable suppliers, make plans ahead and must be under control and monitored regularly.

❖ **Risk in Accounting and Finance**

The Company has planned to reduce the liabilities on current loan as to give flexibility in financial management and to provide support for future business to yield satisfactory rate of return. As you can see from D/E Ratio with the highest 2.5:1

The Company has focus on monetary regulations and proper financial management. The Company regularly analyzed impacts of all risks in order to prepare for the sudden affects from any unpleasant situations that might happen. Financial risks that the Company put focuses is to closely protect financial risk that can affect our expenses.

Risk form interest rate

Risk from interest rates incurred from the change of interest rates in the future which effects upon results of operation and cash flow of the Company.

The company has prevented such risk by planning to financing funds from sources that have lower interest rates than the market rate for operating the business in advance. Moreover, the interest burden of the company is relatively low compared to the revenue. And the company tried to match the loan repayment term with investment term such as the investment in machinery and equipment was financed by the long term source of fund in order to be related to the payback period.

Risk from exchange rate

The Company has certain foreign currency transactions that give rise to significant exposure to market risk from change in foreign exchange rates.

However, the Company has forwarding contract for foreign exchange rated as a hedge against such risk for the purchase of machineries and equipment from foreign country.

Risk from credit provision

The Company constitute risk from the credit offered in respect of trading accounts receivable since trade accounts receivable may not be able to settle debt pursuant to term and covenant agreed upon and also risk from counter party who cannot comply with the term and covenant in the contract of loan which may incur financial loss.

However the Company hold the policy to hedge against such risks via the analysis of financial status and consideration of capability in term of debt repayment of clients and each counter-party. Regarding the consideration of audit granted for trading accounts receivable who are anticipated of uncollectable in debt settlement, the Company sufficiently considered the allowance of doubtful debt.

❖ Risk in related Rules and Regulations

Risk on not complying to the rules and regulation of SET/SEC

The SET / SEC have set regulations for listed companies to observe and follow rules in administering companies in appropriate manner including the prohibitions and punishments for the companies who do not observe and follow the rules.

The company has to strictly and closely follow SET / SEC rules and has to appoint someone to be directly responsible to follow up news / reports, and or latest regulations for listed companies for confidence that the company strictly follows the rules of SET / SEC on time.

The risk assessment of this aspect in 2019 found no violation of any rules, regulations or terms and conditions of the Stock Exchange of Thailand.

❖ Risk in Information Systems

Risk of data loss

There is a risk of Enterprise Resource Planning (ERP) software database loss and malfunction of computer systems, which could cause damage to the company's operations.

Therefore, the company has applied a preventive method of data loss by improving the ERP to support increased data volumes and ensure the stability of the operation of all segments. The company has ensured that the database system features a backup storage system that is secure. The personnel provides authorities for chief information officer to support for training and other issues and let all the employees be aware and carry out effectively and adequately.

Relationship with Investor

The Company's Board of Directors realized that either Company's financial or non financial information has an influence on the decision making of the investors as well as all of the stakeholders. The Company has always stressed out to the management to provide regular, complete, correct, accurate, and prompt information to the public. Moreover, the Company has appointed Mr. Chumpol Techakraisri, Assistant Managing Director, to be a contact person with financial institutions, shareholders, analysts and related government sectors on the investors' relations related issues and this connection, the company held an activity who are interested in the company's performance by inviting them to visit on once a year.

For the year 2020, the Company held the 2020 Annual General Meeting of Shareholders at the Ramada Plaza Bangkok Menam Riverside Hotel on October 21, 2020, which the shareholders were interested to attend the meeting to listen to the progress and management guidelines of the company regularly and continuously. Additionally the company arranged the communication channel to ask the information of company via E-mail: investor@tkrungle.com or phone number 02-211-3732 ext. 104.



Picture 13 Relations investors



SOCIAL สังคม

Human Rights

T.Krungthai Industries Public Company Limited realizes the importance of respecting human rights by treating people with equality regardless of their similarities or differences of race, religion, gender, age, education and status as well as respecting personal rights and freedoms. All employees have the opportunity to demonstrate competency, work expertise and receive fair performance evaluation because these things can help build up the inspiration for new perspectives and value added to the company. The company pays attention to every employee's opinions, which the human rights respect is specified in the Company's Code of Business Ethics. There is also establishing a Whistle Blowing and Grievance Policy to give employees the opportunity to express opinions, suggestions or complaints about various violations of the law or incorrect actions to the Board of Directors directly.

In addition, the company has set Measures to protect the complainant, witness, or the person who may be affected by the complaint in order to demonstrate respect and responsibility for processing personal information. Providing protection, keeping confidentiality of personal information, restrict the disclosure and use of personal information as necessity and granting access to personal information according to the hierarchy and duties of the involved parties in order to prevent the impact on welfare, safety, performance evaluation or promotion etc.

Complaint handling agency

Audit Committee (Independent Director): T. Krung Thai Industries Public Company Limited, No. 23, Soi Chan 43, Yaek 21, Thung Wat Don Sub-district, Sathorn District, Bangkok 10120

Email: independent@tkrungthai.com



Picture 14 summary complaints regarding discrimination

Fair Labor Practices

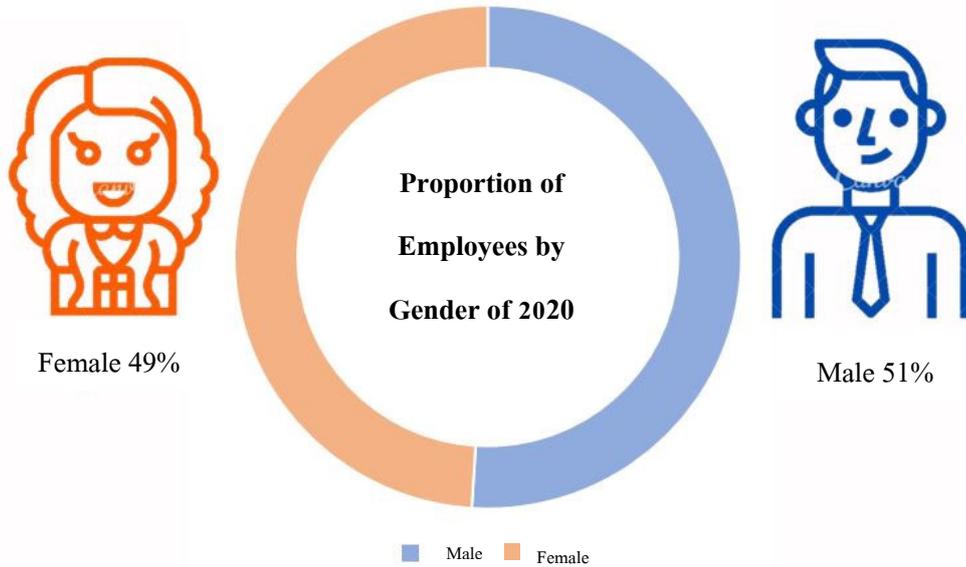
The company realizes that "employees" are an important resource that will lead the organization to achieve its goals. The company therefore focuses on giving every employee pride and confidence in the organization. Including fair remuneration management for employees and also conducting various activities Through the 3 employees welfare committee. The company realized set a policy and staff treatment guidelines in business code of conduct through a company website both in Thai and in English (www.tkrungthai.com) as well as in company rule and regulations and Plan to give an opportunity to the disabled to have an occupation in order to make a proudly living in society without discrimination following The Disabled's Life Quality Promotion and Development Act. & Provide a channel for suggestions and opinion expressions obtained from staff & Set a policy of information and complaints inform & including complaints rules and practices for staff.

Employee care

The company has a policy of remuneration and benefits management that determines appropriate payment for the employees according to their qualifications, knowledge and ability, and work experience. The minimum salary must not be less than the minimum wage determined by the government. Other types of compensation and welfare, such as bonus, provident fund, life insurance, medical treatment expense, annual physical checkup, uniform, transportation, free rice, affordable store, cooperative, gifts, and financial support in various situations, are also offered. We also carry out sports activities, New Year and festive celebrations, designation, transference, and awarding. The company has a concrete policy of human resource development, training, and potential development offered to its employee. In order to evaluate employees' real performance compared to the target, the company uses the Key Performance Indicator (KPI) system as the evaluation tool.

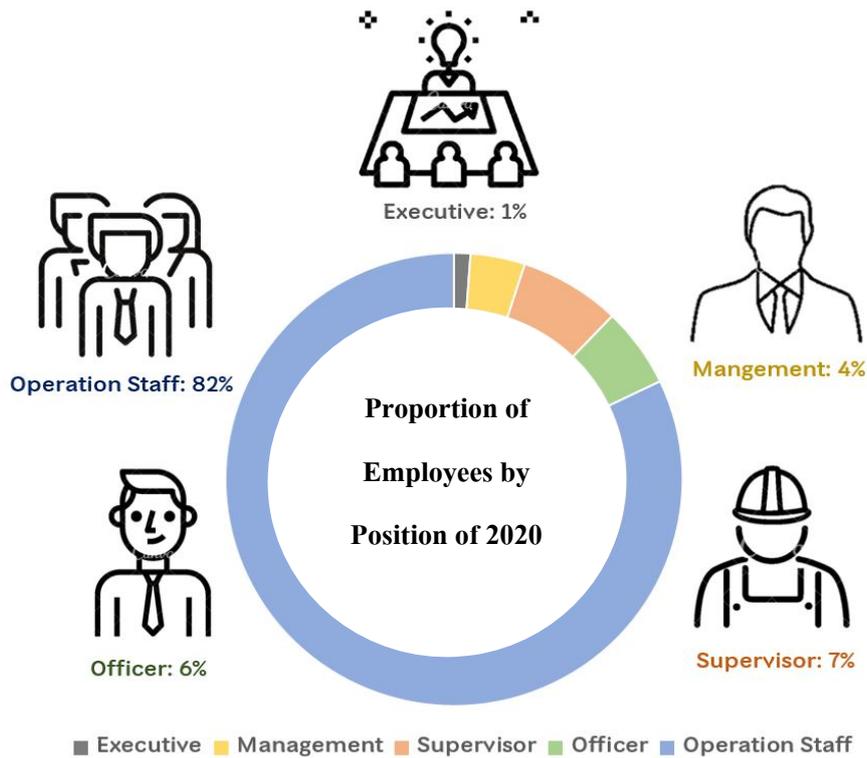
Important employee information and employee diversity

At the end of the year 2020, the company has 661 daily staff and 374 monthly staff totally 1,035 staff (Number of actual operating employees as of December 31, 2020) who are at the headquarters 41 staff to Kingkaew factory 437 staff, Kabinburi factory 292 staff, Suwinthawong factory 265 staff. All employees are male 528 persons and female 507 persons, the details can be found in the 15-18 pictures as follows.



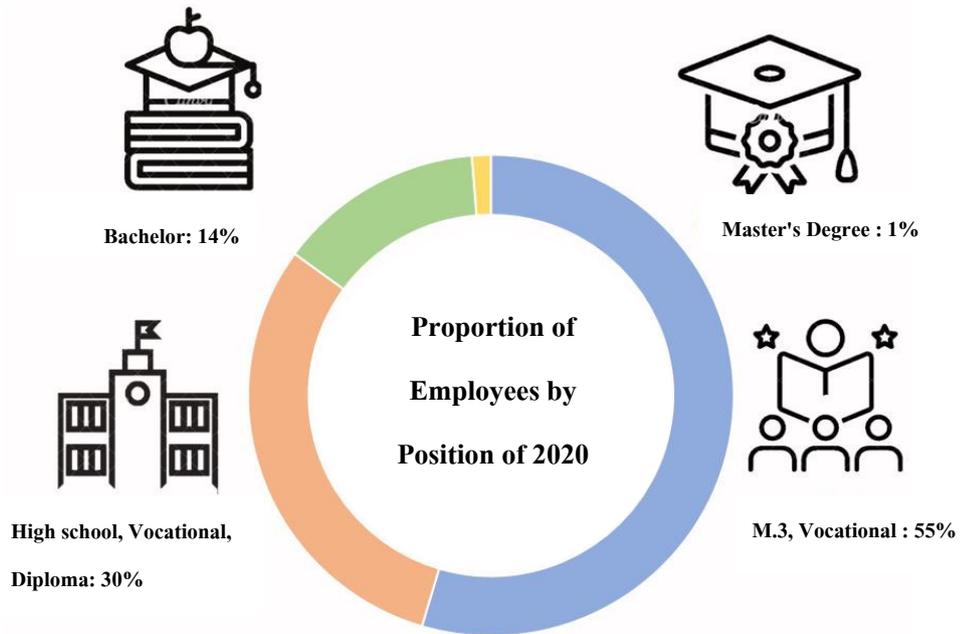
Picture 15: Proportion of Employees by Gender

The company is committed to conducting business in accordance with the principles of good corporate governance and giving importance to employees with a non-discriminatory basis and providing gender equality for every employee. In 2020, the company employed 507 female and 528 male employees.



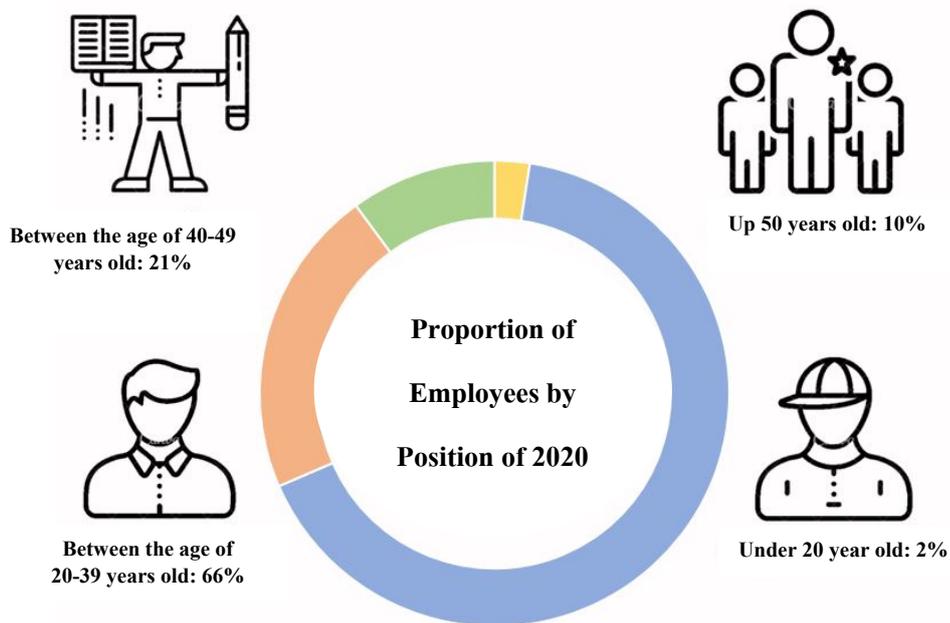
Picture 16: Proportion of Employees by Position

The company has realized importance to organization management by decentralizing the authority and the management power thoroughly and efficiently within the organization including promoting the career path of employees. In the year 2020, The Company has operating staff at the Executive level: 12 people, Management: 40 people, Supervisor: 74 people, Officer: 59 people and Operation Staff: 850 people.



Picture 17: Proportion of Employees by Educational

The company believes that diversity and non-discrimination are the principle of the best recruitment. In the year 2019. The company has employees classified by education level as follows: Master's degree: 13 people, Bachelor's degree: 142 people, Upper Secondary or Diploma: 315 people, Secondary school year 3 or Vocational certificate and others 565 people.



Picture 18: Proportion of Employees by Age

The company believes that sharing experiences, concepts and working methods among employees who have diverse experiences and various generations will create innovation or new work processes within the organization. In the year 2020, the company hired employees in the age of 50 years up: 104 people, age between 40 - 49 years old: 222 people, between 20 - 39 years old: 684 people and under 20 years old: 25 people.

Employee development

T.Krungthai Industries Public Company Limited places importance on human resource development, enhancement of working skills and other skills besides working process in order to create motivation and awareness of the value of work enhancement and good production process. The company therefore focuses on encouraging employees to bring the knowledge gained from the training to improve themselves in both working and daily personal life.

The company emphasizes on short-term and long-term personnel matters, starting with the selection process of knowledgeable and capable personnel into the organization by providing a good and safe working environment. Training is provided both within the organization and outside the organization. In the meantime, the company also gives employees the opportunity to learn continuously to increase knowledge in the organization, which contributes to sustainable human development along with the development of quality of life, either professional progress or happiness in both workplace and daily life of employees.

In 2020, the company has developed employees with a variety of tools: training courses (Training), On the Job Training (OTJ), giving advice (Coaching), Counseling, Mentoring, etc. The company has developed information technology for executives and employees to use Big Data to analyze data and make business decisions with details about training in various categories according to staff position level. The details are as follows

Category	Training hour in for each category				
	Senior executive	Executive	Supervisor	Employee	Total
1. Management	-	28	46	30	104
2. Information and Technology	72	96	12	60	240
3. Quality	-	30	-	280	310
4. Safety, Occupational health and environment in the workplace, Environment, Energy Conservation	48	192	84	480	804
5. Professional Performance	6	64	90	428	588

Table 3: Training Hour in Each Position



In 2020, the company has trained employees at all levels in the topic of technology and information totally 240 hours * count for only Course “Creating reports, diagrams for analyzing data for decision making by using POWER BI Program”.

1) Requirements and Preparation of System Formation ISO 14001: 2015



2) Assessment of the nature of problems and impacts on the environment and systematic risk management

ISO14001: 2015



3) Creating reports, diagrams and analyzing data for decision making by using Power BI Desktop.



Picture 19 Employee training and development

Safety and Health of Employee

The company realizes and gives importance to the operations with regard to safety and occupational health of employees, business partners, contractors and stakeholders who are involved with the operations in the working area. The company's operations have a goal of safety at zero accident and must have no accident to have a time off and death. The company is committed and serious about strictly adhering to the occupational health and safety requirements by assessing risks from working in every process including continually cultivating and building safety awareness in the work of employees and related persons in order to create a culture of safety at work. This is to reduce the loss and damage that may occur to life, property, as well as the impact it may have on the surrounding community and environment.

Management guideline Safety, Occupational health and working environment

1. The company's commitment to safety, health, development of the employees' working condition complies with the requirements of the law and in accordance with the international standard.
2. The Company encourages the improvement of working conditions and safe environment.
3. Management at all levels should act as good example in being a good leader and must conduct trainings to the trainers in order to motivate employees to practice safety measures.
4. Every employee have to recognize their own safety, including also think the safety of others and the property of the company throughout their stay with the company.
5. All employees shall cooperate on these occupational health and safety measures and the management must give the employees right to propose or give comments and share their ideas to improve the working condition and on how to make use of the safety measures.
6. The company supports the activities that will raise awareness on the safety of the employees' as well as giving them announce contest for safety measures.
7. Safety at work is the first priority in the performance of the employees.

Risk assessment and risk management of safety, occupational health and working environment.

The company determines a risk assessment on safety, occupational health and working environment in accordance with the risk management policy and complies with the occupational health and safety management system by defining workers who own the risk to analyze the nature of their work and the involved persons such as third parties and contractors in every work process in order to identify the hazards that may arise from the operation and use them to assess opportunities and potential impacts for prioritizing risk management. In addition the company

supervises the operation to ensure safety and follows up the implementation of risk management to be in accordance with the plans and goals.

Controlling the Working Environment

The company defines employees and related persons to wear personal protective equipment to prevent work-related injuries and accidents. In addition, in the working area there are signs and symbols indicating various hazards that may happen so that employees and related persons are careful in performing their workplaces to ensure maximum safety. In addition, the company has regularly measured and evaluated the working environment with the measurement indicators in accordance with the law such as air quality measurement, sound level measurement, measurement of light intensity, etc.

Supervision of Third Party Workers and All Those involved in the Work Site

The company has rules and regulations in the operation to ensure safety, which covers the operations of employee, Third parties and stakeholders entering the company's working area. The employees and related parties must strictly adhere to the rules and regulations. In this regard, the safety officer and the workplace owner will have roles and responsibilities in supervising the implementation of the specified safety measures and guidelines such as every contractor prior to entering the work area must be trained in safety and related regulations and that Applying for permission to enter the working area must be permitted according to company procedures, etc.

Reporting and investigating accidents and incidents

The company has established a procedure and guideline for reporting accidents and incidents. In case of accidents and incidents happen, employees are required to report the incident to their supervisor or supervisor and the safety officer for acknowledgement and assessment of the degree of the violence and reporting it to the relevant parties. In which case of violence is the case, it will be considered for the implementation of the emergency response according to the specified plan. In this regard, the Company requires investigating accidents and incidents according to the level of the severity and report to the management and the relevant meeting for acknowledgment and consideration to lead to determine the preventive measures and guidelines, monitoring and supervision to prevent such incidents from occurring.

Emergency response preparation

The company has provided an emergency response plan. Every factory has an emergency response plan which has clearly defined roles, duties, responsibilities and operational procedures as well as the annual drills of emergency response plans, such as in the event of a fire, chemical spills, etc. The results of such emergency drills are evaluated

in order to bring various suggestions to develop and improve emergency response operations for better efficiency. In addition, the company provides additional training, knowledge and expertise to employees who are responsible for emergency response such as fire evacuation training, suspension of chemical spills, risk management training in the COVID-19 epidemic situation, etc.

Cultivating a culture and skill development of safety knowledge

The company gives importance to and takes care of cultivating all employees to have a consciousness and work culture for safety as well as being in good physical and mental health. The company continuously promotes and supports the development of skills, knowledge and competence in safety, occupational health and environment, such as training to develop knowledge on safety and working environment, training about safety for all new employees, fire drills and initial evacuation as well as participate in safety networks and safety campaigns and events, etc.

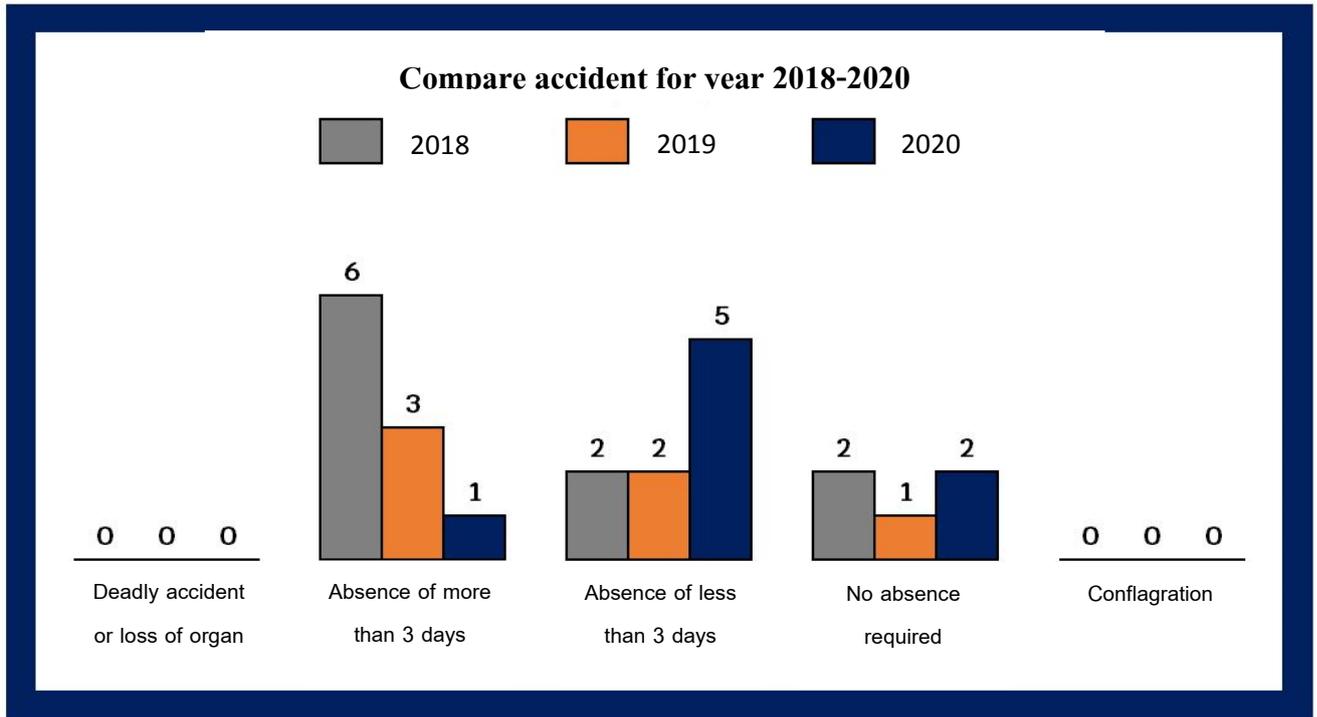


Table 4 Compare accident for year 2018-2020

The importance given by the company to safety in a workplace and the availability of full-time occupational safety staffs, and the safety and occupational health commission in all 3 plants, the statistics of a safety accident of 2020 decreased from 2019 and 2018.



No accidents causing employees to lose their organs. Or death in operations



There is a risk assessment. Safety, Occupational Health and environment covering all work processes



No employees are risk of disease from work.



Have risk assessment, fire training and no fire in every factory



Have measures to prevent risks and emergency preparation plan to handle with the diseases

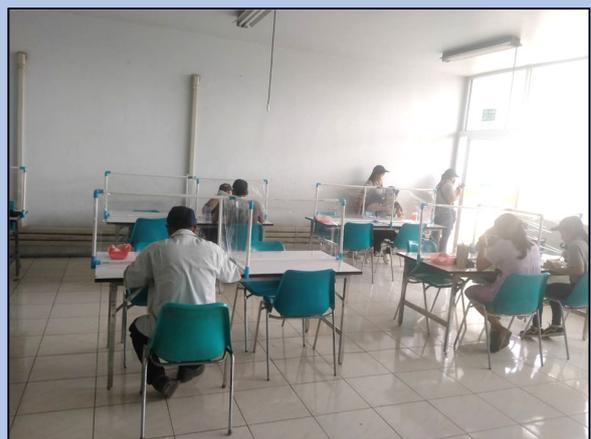
Picture 20 summary information Safety and health

Activity: Fire Drills and Evacuation Drills



Picture 21 Activity Fire Drills and Evacuation Drills

Activity: COVID-19 Emergency Practice Plan



Picture 22 Activity: COVID-19 Emergency Practice Plan

Welfare care and Employee benefits

1. The company has determined a human resource management policy as a guideline for human resource management so that the company has sufficient employees and suitable for the work. The company has the recruitment of qualified employees and development of talent, potential and work skills of employees to support the growth of the company including taking care of employees to be happy, have morale in performance. The personnel management adheres to the principles of fairness, transparency and equitable opportunities for employees.

2. The Company has established a provident fund for its employees. It aims to support and benefit employees in saving and building a security for the future to make employees have a lump sum of money when they leave or retire from work and to be incentives for employees to work with the company for the long term as well

3. The company has established a Welfare Committee in the workplace to act as a medium for conveying the welfare needs of employees to employers, to discuss, to make suggestions, and to supervise the management of welfare within the workplace. The company believes that employees will receive benefits and morale to work. The company has supported the equipment, tools and facility in the work and builded a good working environment as proposed by the Welfare Committee. The benefits that employees receive are as follows.

	Employee benefits	✓
	Provident fund	✓
	Life insurance	✓
	Accident insurance	✓
	Social security fund	✓
	Dental welfare	✓
	Annual health check	✓
	Maternity allowance	✓
	Scholarships for employees' children	✓
	Death benefit money	✓
	Shuttle bus	✓
	Transportation fee	✓
	Accommodation allowance	✓
	Staff uniform	✓
	Raise wages and pay bonuses	✓
	Award of life	✓
	Free Rice	✓
	Staff Health Care	✓

Table 5 Welfare care and Employee benefits

Activity: Share happiness and encouragement to employees during COVID-19 situations



Picture 23 Activity: Share happiness and encouragement to employees during COVID-19 situations

Activity: Scholarships for Employees' Children



Picture 24 Activity Scholarships for Employees' Children

Employee health care

The company emphasizes and pays attention of the health of the employees regularly both physical and mental health (Health and Well-being Project) by organizing the annual health check for employees in year 2020 in order to take care of be always healthy and strong. Providing clean and safe drinking water for employees with having the quality test system of drinking water regularly by sending water samples from the water dispenser of the company to test for contaminants and / or germs that may be contaminated with drinking water. Besides, the company also pays attention to the mental health care for retired employees to prepare themselves for retirement.

Activity Health Checkup of Employees



Picture 25 Activity Health Checkup of Employees

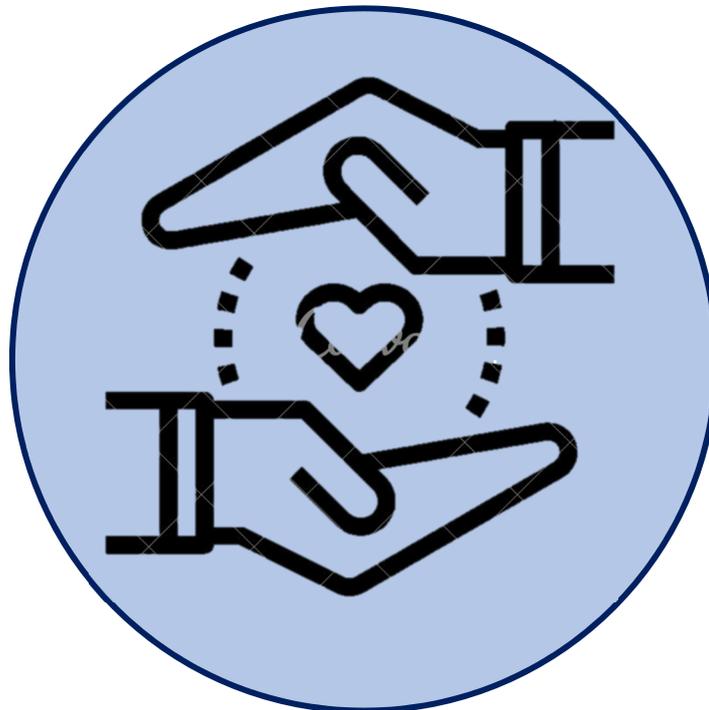
Community and Society Development

The company recognizes and values the operation with responsibility to the community and society. The company has a policy to support the development of communities around the factories through various activities continuously in accordance with the framework and development plan of community and society that is in line with the business operation. The company aims to create common values in taking care and promoting the quality of life of communities and society including linking good relationships between companies and communities for good cooperation.

The Company set a policy of social responsibility and a whole in business code of conduct through company website both in Thai and in English (www.tkrungthai.com) and Provide communication channels internally and externally for suggestions, opinion expressions and information inform obtained from staff and communities

In 2020, the company is committed to being a socially responsible organization. With internal and external activities by creating projects or activities for society and communities as follows:

1. Support gifts and Sports equipment on the occasion of the National Children's Day
2. Organize blood donation activities for the Thai Red Cross Society by quarterly
3. Project to encourage employees to participate in developing and supporting the hometown temples of employees.



1. Support gifts and Sports equipment on the occasion of the National Children's Day

The company has provided gift and sports equipment on the occasion of the National Children's Day to the school and the communities surrounding the factory to support the youth in the surrounding communities in spending time leisure to play sports. It is useful in training youth to know discipline, the spirit of athletes (know lose, know win, know forgiveness) which is an important qualification of youth that will be an important force in the development of the country. "Because we believe that today's children is the future of the nation"



Picture 26 Support gifts and Sports equipment on the occasion of the National Children's Day

Organize blood donation activities for the Thai Red Cross Society.

The company has organized blood donation activities for the Thai Red Cross Society quarterly. Its aim is to help millions of Thai people throughout the country who want to receive a life-saving blood transfusion.

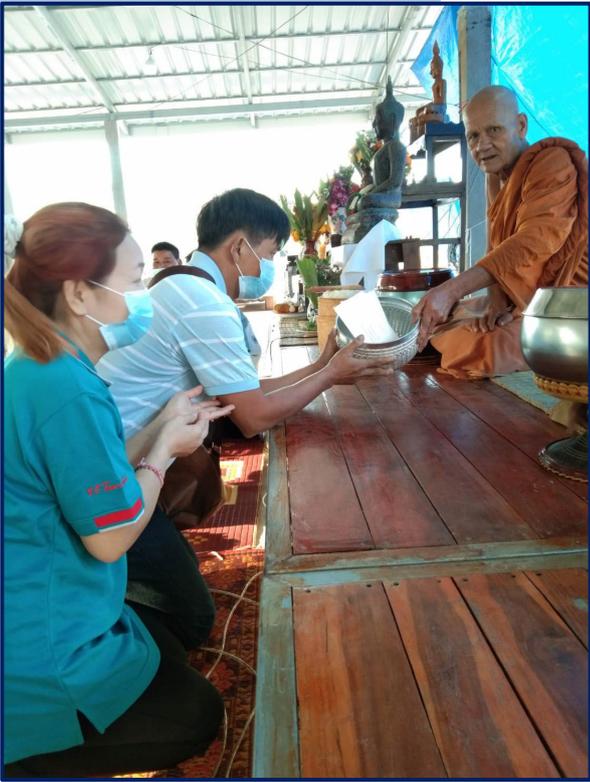
Employees and Executives donate blood. This project is held on a quarterly basis that the Company supports and shows responsibility towards society and environment



Picture 27 Organize blood donation activities for the Thai Red Cross Society.

Activity Buddhism make merit to the homeland

The company has organized religion activities to the homeland to promote religious activities which is the spiritual center of Buddhism. The company provides an opportunity for employees to receive money from the company to donate to the temple in their own hometown for employees to realize the value and continue to carry on the good traditions of Thailand



Picture 28 Activity Buddhism make merit to the homeland



ENVIRONMENT

สิ่งแวดล้อม

Environmental Care

The company has a policy to operate the business with great emphasis on and adhering to the preservation of the environment, safety and occupational health in carrying out various activities which is the business of the company including the implementation of activities that contribute to the creation of society and communities for the benefit of the economy and society by stipulating the following policies

<i>Environmental Policy 2020</i>	
	1. Strictly involve on its commitment to the environment of the company.
	2. Prevent and reduce the environmental impact caused by various company's activities both directly and indirectly.
	3. Develop and improve its environmental management system continuously.
	4. Promote energy conservation and resource use worthy and sustainably.
	5. Educate and strengthen good understanding of the environment to the employees and to be aware of the importance of environmental impacts.
	6. Support the environmental conservation for the society and organization and inform all the stakeholders and staffs of the company's environmental policies and activities.

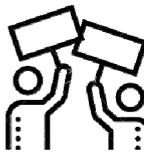
Table 6 Environmental Policy 2020

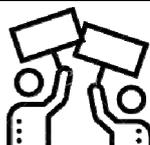
Environmental Quality Examination

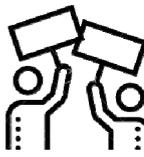
In order to meet the legal requirements, the company conducts the annual environmental quality examination at least once a year and results of light, sound, air quality and water quality examination have always been in good standards as determined by the laws. Including monitoring Watching out for diseases that may arise from the work of employees by conducting a health checkup once a year.

The 2020 environmental quality measurement results meet with the legal requirements and there is no environmental complaints from stakeholders although there is no sound quality measurement result in excess of 90 dB (A), but the company continues to carry out the hearing conservation program in the milling department including providing personal protective equipment to suit with employees i.e ear muffs and dust masks along with continuous monitoring the health of employees in order to reduce the risks that may occur to employees.

In addition, the company continuously conducts the examination of drinking water by sending a sample of drinking water the company provided for the employees from the dispensers in the company to conduct a contaminant and germ analysis twice a year. We also change the filters in the dispensers every month to ensure quality, clean, and safe drinking water.

Information Environmental and resource use - King Kaew Plant		Unit	2020	
Project to reduce electricity consumption				
	The reduced consumption of electrical energy after project execution	kWh/ month	6,877.23	
	Reduction of Greenhouse gas (CO2 Emission) (equivalent of tonnage of carbondioxide)	Ton/ month	102.15	
Industrial waste management				
	All non-hazardous waste to be disposed of	Ton	98.25	
	All hazardous waste to be disposed of	Ton	71.69	
Air				
	Air quality in work area			
	● Toluene	std. ≤ 200	ppm	3.888
	● Xylene	std. ≤ 100	ppm	1.389
	● Methyl ethyl ketone	std. ≤ 200	ppm	0.294
	● Carbondioxide	std. ≤ 5000	ppm	478
water				
	Total water consumption			
	● pH at the point of release	std. $\leq 5.5-9$	mg/l	7.3
	● Biochemical oxygen demand	std. ≤ 20	mg/l	<5
	● Chemical oxygen demand	std. ≤ 25	mg/l	<25
	● Oil and fat level	std. ≤ 5	mg/l	<3
Sound level				
	8 hours average noise level in the work area.	std. < 85 dB(A)	dB(A)	83.3
	The maximum noise level in the work area	std. < 140 dB(A)	dB(A)	100.7
Internal and external complaints about environment				
	Number of environmental complaints		item	No complaints

Information Environmental and resource use - Kabinburi Plant		Unit	2020	
Project to reduce electricity consumption				
	Electric energy purchased to use	kWh.	4,759,680.00	
	Total greenhouse gas emissions (equivalent of tonnage of carbondioxide)	Ton	85,248.00 ---	
Industrial waste management				
	All non-hazardous waste to be disposed of	Ton	11.449	
	All hazardous waste to be disposed of	Ton	4.03	
Air				
	Air quality in work area			
	● Toluene	std. ≤ 200	ppm	0.35
	● Xylene	std. ≤ 100	ppm	2.23
	● Methyl ethyl ketone	std. ≤ 200	ppm	<0.02
	● Carbondioxide	std. ≤ 5000	ppm	<0.01
water				
	Total water consumption			
	● pH at the point of release	std. $\leq 5.5-9$	mg/l	7.25
	● Biochemical oxygen demand	std. ≤ 20	mg/l	---
	● Chemical oxygen demand	std. ≤ 25	mg/l	---
	● Oil and fat level	std. ≤ 5	mg/l	---
Sound level				
	8 hours average noise level in the work area.	std. < 85 dB(A)	dB(A)	75
	The maximum noise level in the work area	std. < 140 dB(A)	dB(A)	91.2
Internal and external complaints about environment				
	Number of environmental complaints	item	No complaints	

Information Environmental and resource use - Suwintawong Plant		Unit	2020	
Project to reduce electricity consumption				
	Electric energy purchased to use	kWh.	483.20	
	Total greenhouse gas emissions (equivalent of tonnage of carbondioxide)	kWh.	482.33 ---	
Industrial waste management				
	All non-hazardous waste to be disposed of	Ton	2	
	All hazardous waste to be disposed of	Ton	140.07	
Air				
	Air quality in work area			
	● Toluene	std. ≤ 200	ppm	1.526
	● Xylene	std. ≤ 100	ppm	0.221
	● Methyl ethyl ketone	std. ≤ 200	ppm	0.27
	● Carbondioxide	std. ≤ 5000	ppm	604
water				
	Total water consumption			
	● pH at the point of release	std. $\leq 5.5-9$	mg/l	---
	● Biochemical oxygen demand	std. ≤ 20	mg/l	---
	● Chemical oxygen demand	std. ≤ 25	mg/l	---
	● Oil and fat level	std. ≤ 5	mg/l	---
Sound level				
	8 hours average noise level in the work area.	std. < 85 dB(A)	dB(A)	73.8
	The maximum noise level in the work area	std. < 140 dB(A)	dB(A)	91.6
Internal and external complaints about environment				
	Number of environmental complaints		item	No complaints

Efficient use of resources

CO2 Reduction / Energy Saving Activity

1. Activity to reduce the use of air conditioning during lunch time (12.00 - 13.00) can reduce carbon dioxide emissions by 4.003 tons / month and save electricity costs 20,631.69 baht / month.



Picture 29 Efficient use of resources 1

2. Activity to reduce the use of air conditioning in the QC room by replacing the fan installation to reduce electricity consumption can reduce carbon dioxide emissions by 0.5 tons / month and save electricity costs 3,195.20 baht / month.



Before



After

Picture 30 Efficient use of resources 2

3. Activities to reduce the use of air conditioners at the thinner room can reduce carbon dioxide emissions by 0.42 tons / month and save 2,744.80 baht / month.



Picture 31 Efficient use of resources 3

4. Activities to reduce energy consumption of air compressor system located at Building 2, usually air compressor systems is a system that has to be operated 24 hours a day, thus consuming a lot of electricity. And based on the principle of the air compressor, the more reducing the air compressor temperature every 3 ° C, the less electricity consumption by 1% of the capacity, thus the temperature reduction in the air compressor system room results to the reduction of 0.17 tons / month and saves electricity costs 1,100 baht /month



Picture 32 Efficient use of resources 4

5. Activities to reduce energy consumption of air compressor system located at Building 4, usually air compressor systems is a system that has to be operated 24 hours a day, thus consuming a lot of electricity. And based on the principle of the air compressor by lowering the air compressor temperature every 3 ° C, electricity consumption can be reduced by 1% of the production capacity, thus a reduction in the temperature of the air compressor system room results in a reduction of 0.25 tons of CO₂ per month and save electricity costs 1,600 baht / month



Picture 33 Efficient use of resources 5

6. Activities to reduce the energy consumption of some air compressor system during holidays that have no production in some areas can reduce carbon dioxide emissions by 1.70 tons / month and save electricity costs 11,000 baht / month



Picture 34 Efficient use of resources 6

7. Activities to reduce the energy consumption of some air compressor system during holidays that have no production in some areas can reduce carbon dioxide emissions by 2.26 tons / month and save electricity costs 15,000 baht / month.

8. Activities to reduce the energy consumption of some air compressor system during holidays that have no production in some areas can reduce carbon dioxide emissions by 1.13 tons / month and save electricity cost 7,300 baht / month.

9. Energy reduction activities in the shop floor by using ventilation fans can reduce carbon dioxide emissions by 0.17 tons / month and save the electricity cost 1,100 baht / month.

Quality upgrade project Supervise factory standards in 2020



Picture 35 Quality upgrade project Supervise factory standards in 2020

Tree planting project



Picture 36 Tree planting project

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