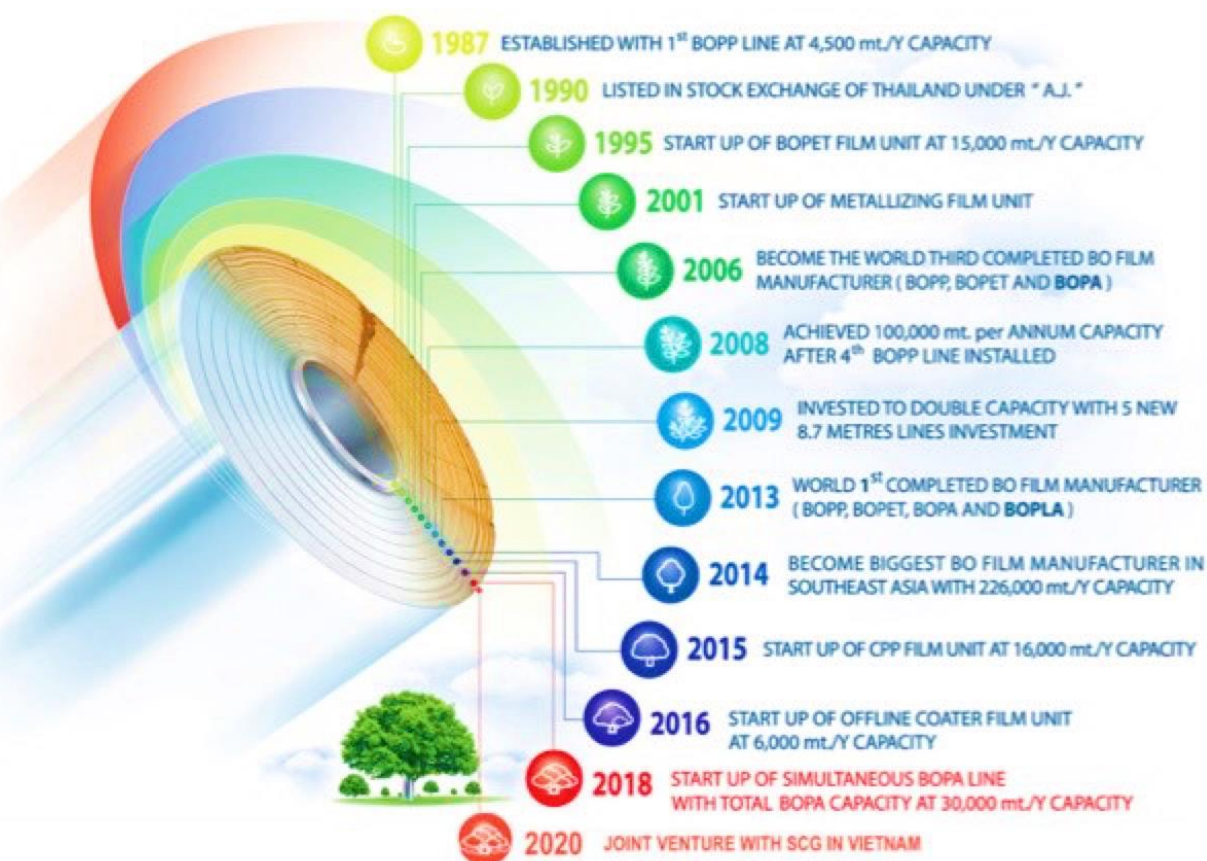



SUSTAINABILITY REPORT 2020


A.J. PLAST PUBLIC COMPANY LIMITED




INDUSTRIAL FILMS




•Agriculture




•Food and beverage




•Consumer Products



•Transportation



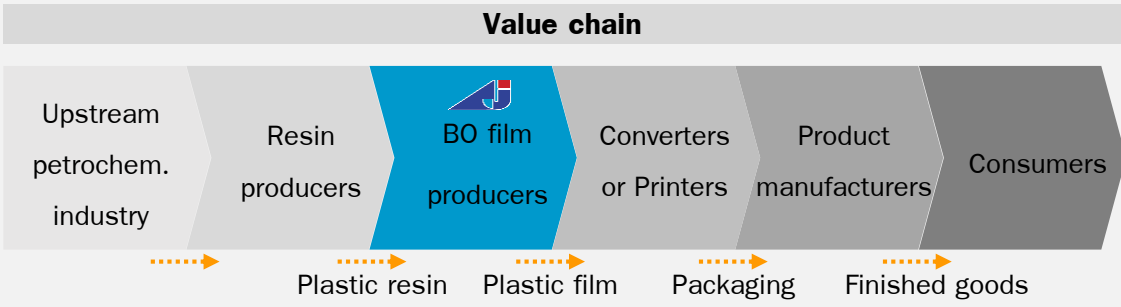
• Health and Medicine



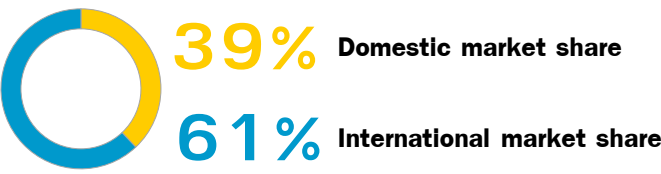
•Media and Publications

<https://www.flaticon.com/>

Our products serve various kinds of functions that can be used in many processes and sectors such as production process, food packaging process, drug and supplement packaging, print media ,and transportation. Due to the pandemic situation of COVID-19, the consumption demand in consumables has substantially increased, especially in food and pharmaceutical industries.

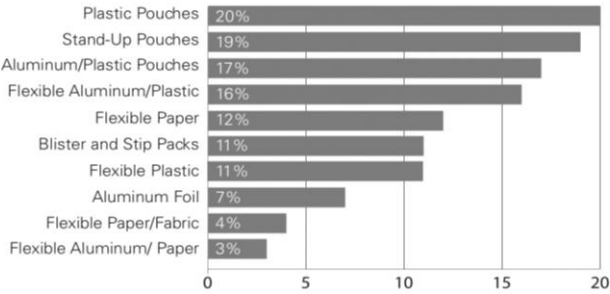


According to company’s performance in 2020,



According to the forecast of global growth of flexible packaging by type in 2022, the demand growth of flexible packaging will continuously increase as shown in the diagram.

GLOBAL GROWTH OF FLEXIBLE PACKAGING BY TYPE 2022*



Source: PMMI Business Intelligence, 2019 Flexible Packaging Assessment Report

Since our products have met global product quality standards, we currently have a customer base in **29 countries.**



The overview of production process and raw material

A.J. Plast has operated for more than 33 years and has continuously researched and developed products to meet the needs of the world market. Today, our products are classified into BOPP, BOPET, BOPA, Metallized film and CPP. They can also be categorized by the type of their raw materials as follows:



Fossil-based resin
PP, PET, PA6

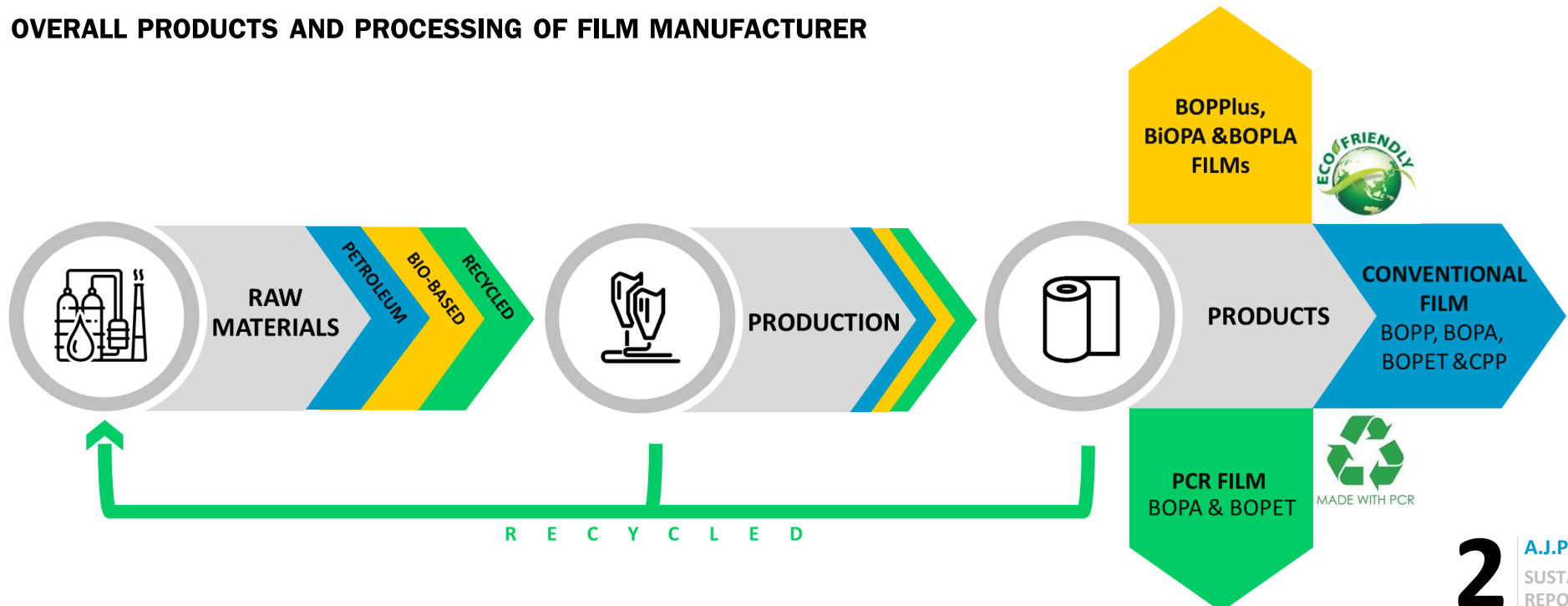


Bio-based / Plant-based resin

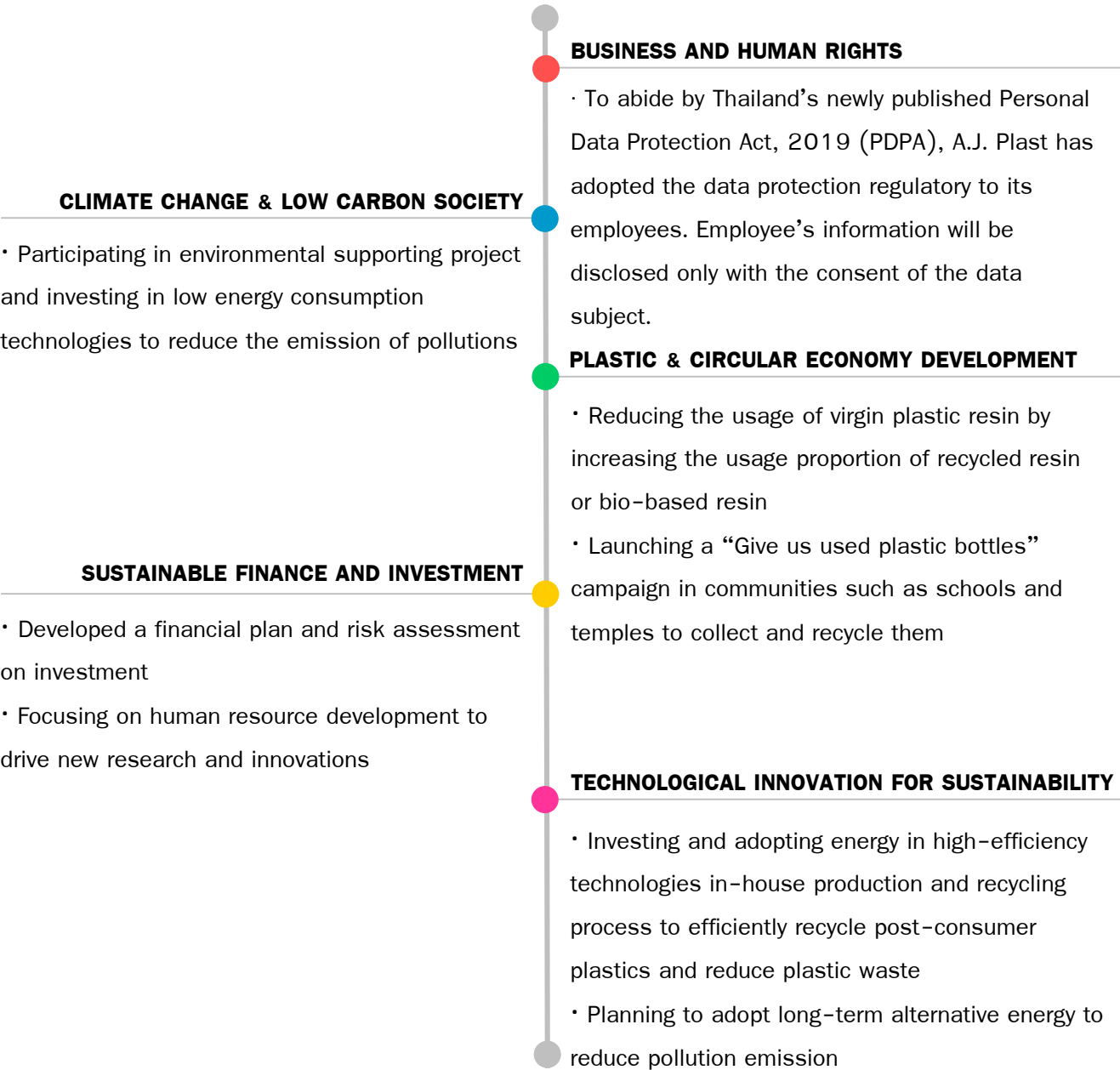


Post consumer recycled resin

OVERALL PRODUCTS AND PROCESSING OF FILM MANUFACTURER



According to the Global Compact Network Association of Thailand, **Mega trends** are classified into 5 topics for “5 trends to achieve the 2020 Sustainable Development Goals” or “**5 SDGs mega trend 2020**” in which A.J. Plast Company has responded these trends in a timely manner with following strategies and projects:



National strategy 2018–2037

Strategy no. **Building Competitive Advantages**

2

- Focusing on the economic development by supporting key entrepreneurs in Thailand to promote product development and grow competitiveness on the global stage with the use of innovation and technology

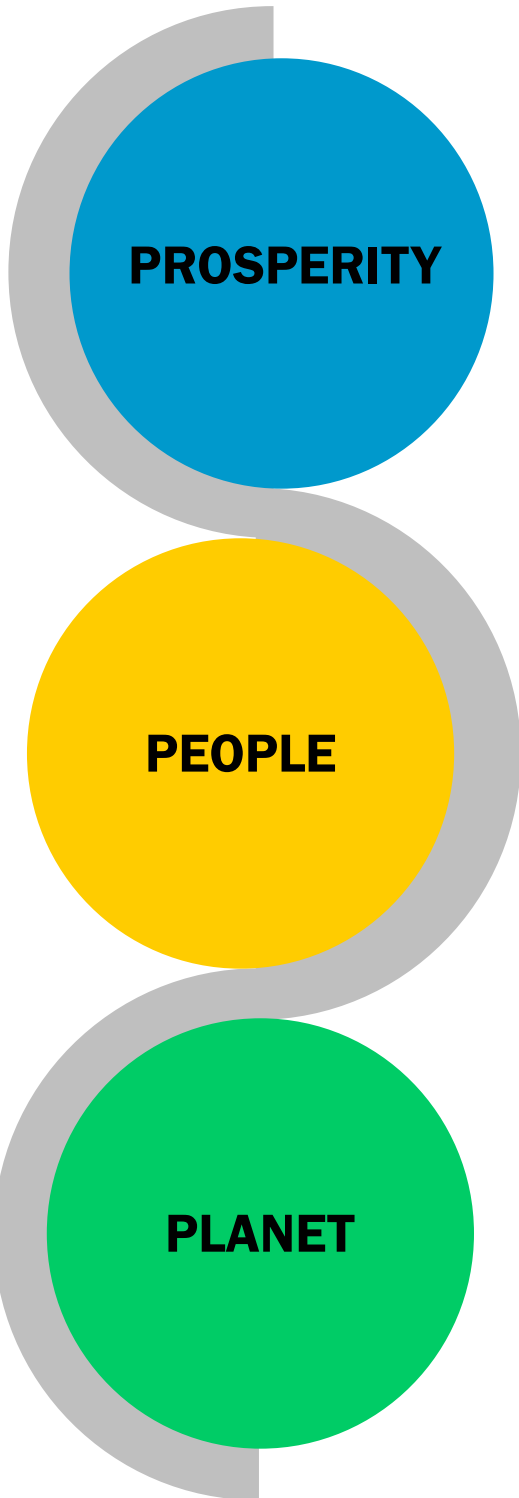
Strategy no. **Growing with society’s quality of life and clean environment**

5

- Creating sustainable development to business, society and environment and aiming to become a low carbon emission country through urban planning and management

Our business operations align with the current national strategies which play an important role in driving Thai economy to be able to compete globally. We also consider the importance of protecting the environment and growing the company sustainably

COMPANY’S STRATEGIES



PROSPERITY

Our company’s vision corresponds with Thai national strategy policy guidelines and the requirements and resolutions of the United Nations. With a clear identity as a leader in adopting technologies and innovation, we have substantially reduced the amount of energy consumption. We have contributed our effort to help increasing competitiveness on the world stage by adhering to the principles of sustainable growth. As a result, we have expanded our customer base to 29 countries. We also have collaborated with many universities, laboratories and research institutes for co-creation and product development such as Gros Michel banana packaging project for importation which was collaborated with Chulalongkorn University. Moreover, we also supported global recycling industry chain by using the recycled resin to convert to recycled plastic film.

PEOPLE

The balance of human’s needs, human’s living fundamentals and equal opportunities are the key factors for long term sustainability. Thus, our organization values the foundations of the community through direct and indirect support and participation in various activities of the community and through relevant government sectors to be a key driver for community development. In addition, we highly value the importance of our personnel as they are the key success driver of the company. Upskill training, learning courses, and other necessary trainings have organized regularly for our employees. We encourage our employees to share us recommendations, opinions and feedbacks for further adjustments and improvement.

Due to COVID-19 pandemic outbreak, we have set up self-protection measures from COVID-19 and allocated hygienic mask and hand sanitizer for employee’s safety.

PLANET

Our organization has been concerned about the negative impacts on environment and has done its best to reduce the carbon dioxide emission and energy consumption by setting new energy reduction goals every year. We also control and minimize the amount of plastic waste produced by recycling them in order to help minimizing the burden of plastic waste. The research and development of mono Material is another project we are doing to further reduce the impact of plastic waste and to serve our clients another eco-friendly products.

PEOPLE

KAIZEN

We have encouraged our employees to participate in KAIZEN Contest to express their opinions on the improvement or development of the company’s operational practices for greater potential by providing monetary rewards to qualified participants. Afterwards, we have valued those ideas and put them into practices in the company. This has not only has accomplished our employees, but also cultivated them values and good attitude towards work. Besides, this activity also reduced problems and unexpected expense on our production process, whereas increased quality and quantity of our outputs. In 2020, there were 66 entries for the contest.

Certificates

A certificate or a reward was given to those who have high performance and low number of leaves. In 2020, 81 employees have been granted this reward.

81 persons in 2020

53 persons in 2019

Number of high performers has increased by 52% from last year.

Welfare

Cafeteria benefit has provided employees hygienic food with affordable price (40-50% lower than market’s price).

Face masks and cloth face masks distribution

We have distributed face masks for employees to all departments such as human resource, planning, IT, health insurance, design and development, inventory, logistics, maintenance, technician, accounting, sales, shop vendors, including new employees and training instructors in a total of 10,691 cloth face masks and 1,550 face masks for 1,174 employees.

Expense burden reduction for employees

We supported our employees’ financial burden through a “Pay Less, Get More” campaign during COVID-19 situation. This campaign is to offer employees life essentials such as food, ingredients and water with the price 30-45% cheaper than the market.

Disabled workers



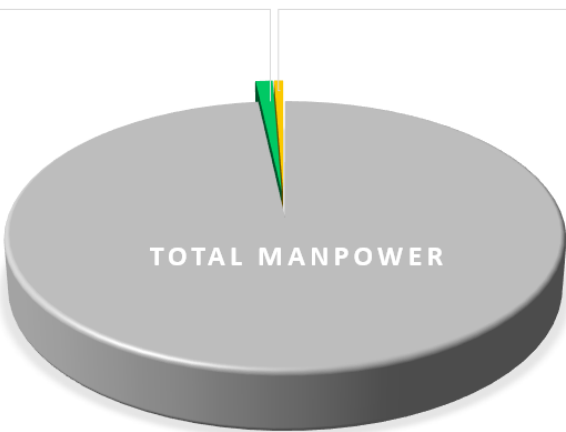
61.54%

Disabled work (Male)



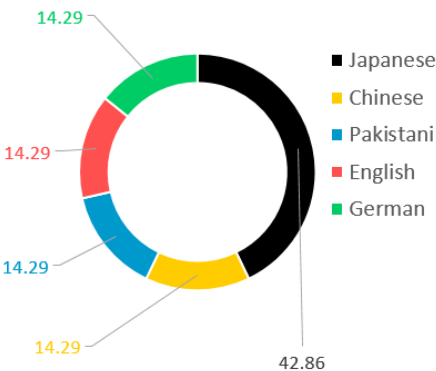
38.46%

Disabled work (Female)



From the total number of employees of 1,174, there were foreigners accounted for 0.60% and disabled people accounted for 1.11 %

Foreign workers



OPERATING SITES

A factory at Laem Chabang Industrial Estate and a main office at Tha Kham, Bangkok



• Processed **21,797 tons of plastic scraps per year** to recycle and reuse



• Reduced carbon dioxide emissions equivalent to 25,074 tons CO₂e per year via high-efficiency and energy-saving machineries and equipment



• Reduced electricity consumption of 77,171 kWh per year by replacing light bulbs with LED

• Adhered to good corporate governance in corporate management



• **114 maximum working days** with no accident



• Gender quality environment in all sectors



• Clean energy installation project (e.g. solar cell) is in the bidding process and estimated to start in Q3, 2021.



• Invested in products' research and development was 110.63 million baht



• 13 disabled employees



• Supported society and community in terms of food and sanitation goods donations and environmental restorations for 22 projects

EXPANDING SITES



Pinthong5 Industrial Estate, Chonburi

Invested in a new land plot has saved land expenditures by more than 200 million baht over a period of 30 years. The total area was 126,352 m²



Bau Bang Industrial Estate, Vietnam

Entered a joint venture with SCG Chemicals Company Limited (SCG Chemicals Co., Ltd.) overseas for a production site area of 70,173 m² in Vietnam.



STAKEHOLDERS ENGAGEMENT

	Forms and Communication Channels	Interests / Expectations	Examples of A.J. Plast’s Actions
GOVERNMENT SECTOR	<ul style="list-style-type: none"> · Cooperation with government agencies by providing and receiving information for the consideration of dumping inquiries · Consultation with relevant government agencies to consider anti-dumping measures on imports from countries including China, Indonesia and Malaysia. 	<ul style="list-style-type: none"> · Being a role-model firm for sustainable management and business operation · Cooperation with government agencies 	<ul style="list-style-type: none"> · Documentation and information collection to support public sector in antidumping hearings · Information clarification on the dumping investigation
SOCIETY & COMMUNITY	<ul style="list-style-type: none"> · Social and environmental support in terms of life essentials donations to nearby communities · Consumer products donation to government agencies, private sectors and communities · Complaints, comments and suggestion from communities and from industrial estates 	<ul style="list-style-type: none"> · Being responsible and nourish to the nearby community and environment · Development and enhancement on life quality and well-being of nearby community and environment · Prevention and resolution received complaints systematically, which can be examined 	<ul style="list-style-type: none"> · Communities support and assistance through food and hand sanitizers donations for sport activities and repairs and maintenance cost at nearby schools · Supporting herbs for health promotion hospitals in Ratchaburi to be used as a learning center and a treatment center for neighborhood · A.J. market event to stimulate the nearby communities · Blood donation project participation · Reforestation project to raise awareness on environmental conservation · The 2nd Thai Volunteer Doctor Camp in Loei sponsorship · Used items and appliances donations to Baan Nokkamin Foundation · “Plastic bottles to recycle” project to collect and transform plastic bottles to new plastics, resulting in lower number of plastics in the system

STAKEHOLDERS ENGAGEMENT

	Forms and Communication Channels	Interests / Expectations	Examples of A.J. Plast’s Actions
SHAREHOLDERS, CREDITORS AND FINANCIAL INSTITUTIONS	<ul style="list-style-type: none"> · Shareholder meeting once a year · Performance reports through annual report on website and shareholder’s meetings · Company’s financial statement through its website and Stock Exchange of Thailand · Competitiveness expansion to the global stage through a joint venture with a leading companies 	<ul style="list-style-type: none"> · Company’s competitiveness performance and growth · Important information about business operation and operating results on a regular basis · Transparent and efficient management and environment– focused activities for contribution to society 	<ul style="list-style-type: none"> · Company’s news on its website, media and publication according to the situation · Opportunities provision to shareholders to express opinions and suggestions openly at the investor relations meetings · Company’s confidence building to venture capitalists, shareholders and creditors of financial institutes by showing potential of earnings, investments and concreted possibilities · Joint venture with a leading company to expand the business internationally for larger customer base and production capacity
CUSTOMERS	<ul style="list-style-type: none"> · Quality and service assessment · Production plant visit and inspection once a year · Sales visit once a month · Communication channels to receive suggestions, compliant and comments via phone, emails, and at sales office 	<ul style="list-style-type: none"> · Customer satisfaction on products and services · High standard product quality · Information sharing of products and new products · Customer needs fulfilling including product suggestion 	<ul style="list-style-type: none"> · Advices, feedbacks and complaints receiving via phone, email and sales office · Advices, feedbacks and complaints to discuss internally to formulate policies and solutions · Discussion forums to hear opinions and to consider the dumping inquiry from stakeholders · Customers’ sites visit to receive opinion, problems and doubts about dumping hearing · Suggestions and advices on products, products’ functions, technologies and market trends including technical knowledge in related field

STAKEHOLDERS ENGAGEMENT

	Forms and Communication Channels	Interests / Expectations	Examples of A.J. Plast’s Actions
SUPPLIERS & PARTNER	<ul style="list-style-type: none"> · Partner registration for new partners · Factory visit and inspection · Company’s media such as websites, brochures, event booth and conference · Quality and service assessment including delivery of products 	<ul style="list-style-type: none"> · Learning and knowledge development with partners to achieve optimal efficiency in joint operations · Safety and work environment for partners including safety knowledge sharing · High integrity, fairness and transparency to partners and in partners’ trade competition for high quality and efficiency of products and services 	<ul style="list-style-type: none"> · Knowledge sharing and exchanging and research to match our product quality to the needs of new markets · High integrity , fairness, transparency and accountability in business operation · Assessment on partners’ qualification and competencies · Assessment on partners’ safety and work environment · Partner’s factories visiting · Maintenance on the quality and service level of business partners for sustainable efficiency
EMPLOYEE	<ul style="list-style-type: none"> · Suggestion or complaint box placement · Regular executive site visits and weekly operational meeting at production site · Internal communication via online channels such as email, messaging application, etc. · A welfare committee to support employees’ welfare and hygiene · Financial burden reduction for employees 	<ul style="list-style-type: none"> · Reducing gap between management team and employees and fewer operational steps · Welfare, compensation and incentive to promote employees’ performance · Employee encouragement to learn new things and strengthen employees’ potentials · Great office environment and hygiene to boost employees’ productivity and performance 	<ul style="list-style-type: none"> · Employee welfare department establishment to safeguard unfair employees’ benefits and compensation · Employee participation in trainings by internal or external speakers · Opportunity provision for employee to anonymously express their opinion through recommendation box · Education about COVID-19 for employees to understand and to follow appropriate behavior guidelines on the regular basis · Hand sanitizers, face masks and cloth masks distribution to all employees · Life essentials such as water and food at affordable prices to reduce expense burden during COVID-19

STAKEHOLDERS ENGAGEMENT

As human resource is one the major drivers of organizational growth, the company is always highly strict with providing employees hygienic workplace and continuous training and knowledge development. The company adheres to the principles of that good and qualified employees potentially contribute to higher work performance.

- Emergency Response Action Plan Practice 2020, with a collaboration with Laem Chabang Industrial State, Laem Chabang Municipality and GUSCO to prevent emergency situations



- Annual merit making activities and New Year’s Party to strengthen the bonds among employees and to thank you employees for their great help throughout the year



- A.J. Plast Public Company Limited supported hand sanitizers, face mask and cloth mask for all employees.



MATERIALITY MATRIX



ECONOMICS

1. Quality of products and services
2. New product research and development
3. Risk management
4. Business performance

ENVIRONMENT

6. Green products research and development
7. Waste and pollution management
8. Climate change crisis
9. Circular energy

SOCIAL

10. Customer relationship management
11. Responding and monitoring customer feedback
12. Human resource development
13. Human rights
14. Community development

MEASURES TO CONTROL THE SPREAD OF COVID-19

SURVEILLANCE



Body temperature checking

Cleaning and disinfection



CAMPAIGN



Hand washing and mask wearing campaign

Preventive measures on COVID-19 for all employees and visitors



ENCOURAGEMENT



COVID-19 prevention equipment donations to all sectors, including hand sanitizer, face masks, snacks and medical tools

NEWS UPDATE



Weekly update on new COVID-19 cases inside and outside of Thailand, including the areas nearby offices and production plants

Body temperature check for all employees and visitors

Weekly follow-up on employees' illness



RECYCLING PRODUCTION

Plastic films with defects such as wrinkles, white spots, contaminants, etc. are re-processed to transform to recycled plastic resins, which to be used as raw materials for recycled products.



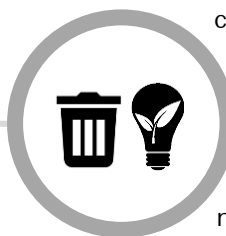
RESEARCH & INNOVATIONS

Continuous research and development on product's formulas to improve the product's quality to meet our customer's needs and to keep up with the world's market trends

REDUCED WASTES & ENERGY CONSUMPTION

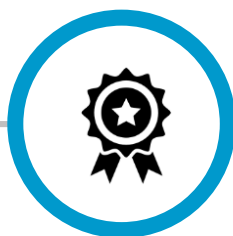
The concept of waste reduction is applied to all processes: production

process, research, quality control and product delivery



Reduction of electricity consumption

Limitation on water and natural gas consumption for the best interest of sustainable resource and environmental management



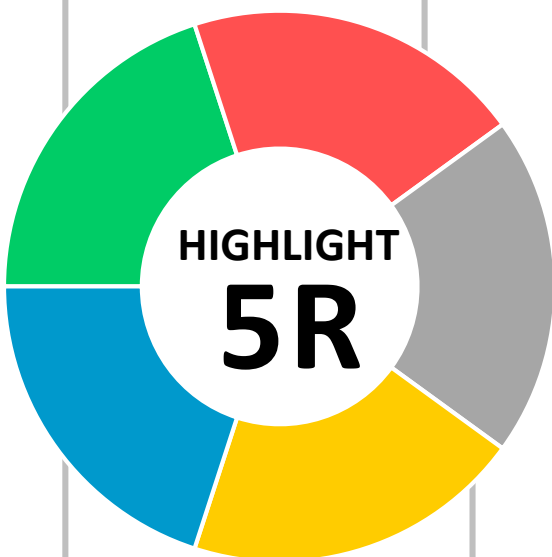
RELIABILITIES & REASONABLE PRICE

Although our services has received an impact from COVID-19 situation, we continue to be trusted with the world-class product quality and our impressive service. Based on customer satisfaction score, more than 80% of local customers and more than 75% of international customers have satisfied with our products and services.



RESPONSIBILITIES

In 2020, we have organized a total of 50 projects to help societies, communities, schools and environment. For example, we have supported Thai Doctor volunteer camp in Loei. We also monthly supported private and public agencies in Bangkok and in Chonburi. We also highly focused on community health and wellness by educating them of how to efficiently keep themselves safe from COVID-19. This was to express our responsibility to community, society and nation.



RECYCLING

Plastic waste problem and greenhouse gases has become a global environmental problem. Each government has imposed legal measures to control plastic production and the use of plastics. The European Union passed a resolution to ban single-use plastics by 2021. Each country member targeted to reduce the use of plastics or reduce the plastic production by at least 25% as well as to recycle the plastic waste up to 90% by the year 2025.

Our product is considered a top material for the plastic film supply chain. Therefore, we highly value the importance of plastic recycling to reduce the plastic waste issue as well as the necessity in investing in recycling machines that can efficiently convert the waste back to recycled plastic resins with lower energy consumption. Today, all in-house plastic waste are 100% converted back to recycled plastic resin, resulting in zero plastic waste from our production site.

In addition, we have supported the circular economy by transforming environmentally friendly resins to plastic films. These resins are made from organic waste, bio-based materials, agricultural waste or used cooking oil. Our products meet international standards and food safety policies.

These recycled plastic resins are

- Recycled plastic resins from BASF

Certified EcoLoop by Ecocycle

- Recycled plastic resins from BASF Indorama

Certified Global Recycled Standard (GRS) 4.0

Plastic recycling machines

Plastic waste from production process are put into the recycling process and converted to raw materials for other products (close loop system). This process has recycled our in-house plastic waste 21,797 tons per year.

	Goal	Project details	Performance
Waste reduction	<ul style="list-style-type: none">• To convert plastic waste back to raw materials up to 22,000 tons in 2021• To produce PCR-PET films 8,000 kg in 2021• To be equipped recycle PET plastic water bottles  (GRI 301-2)	<ul style="list-style-type: none">• Transforming plastic waste into raw materials via recycling process• Producing PCR-PET• Setting up a station to collect post-consumer PET water bottle within the community to process them to PCR-PET	<ul style="list-style-type: none">• Reduced the amount of plastic film 21,797 tons in 2020.• PCR-PET Production amount at 6,249 kg in 2020• The campaign has held inside industrial estate and areas in front of the office in 2021

RECYCLED PRODUCTS

Todays, we have a green product portfolio which comprises 2 categories as follows:

Bio-based products

By replacing a portion of conventional plastic resins to environmentally friendly resins that are derived from natural materials or biomass waste



- Plant-based biopolymers
- Low carbon dioxide emission
- 100% recyclable in case of single material product
- Biomass-based resins
- Replacing the use of fossil energy and reducing the emission of greenhouse gases
- Properties equivalence to fossil-based products, especially in shelf-life duration and flavor preservation
- Post-consumer vegetable oil
- Biodegradable
- High oxygen barrier
- 100% bio-based PLA

Post-consumer recycled products

By replacing a portion of conventional plastic resins to recycled plastic resins that are derived from post-consumer plastic bottle or used polymers

PT-PC

NS-PC



MADE WITH PCR

- Equivalent properties as conventional PET film
- Suitable for food packaging etc.
- Equivalent properties as conventional BOPA films
- Suitable for food packaging
- Aligned with EU and US regulations

The company has set a target of launching another new green product in 2021.

RESEARCH & INNOVATIONS

Technological advancement in today’s global society is one driving factor for new changes in many areas such as economic, society and environment. The company has valued the importance of limited natural resources and aimed to develop and innovate products to meet the needs of the current and future market.

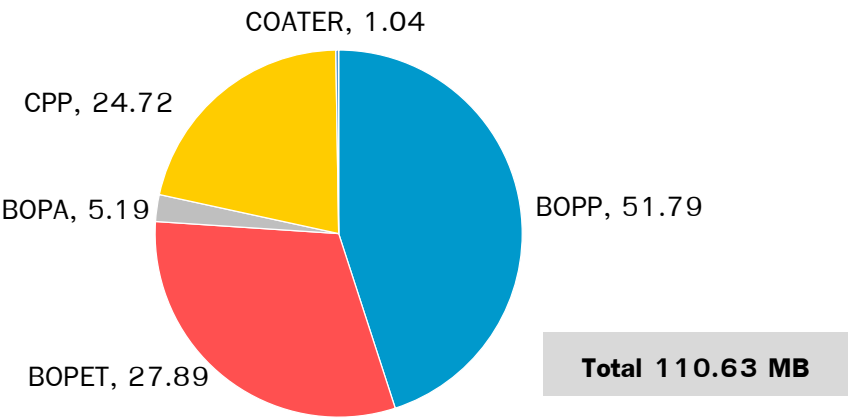
Over the past decade, the company has continuously developed films according to principles of sustainable development.

For example

- BOPE (biaxially oriented polyethylene) for mono-material products
- UHB (ultrahigh barrier BOPP) with water and oxygen permeability less than 1.0
- BOPLA (biaxially oriented polylactic acid) bio-based and bio-degradable film
- Transparent AIO_x BOPP for mono-material packaging
- 80% Bio-based BOPA film from crude oil, cooperated with BASF
- Bio-based BOPP
- Commercialized VM-OPP and VM-CPP for mono material
- Bio-based CPP, 10% post-consumer BOPET
- 50% Post-consumer BOPET,
- Completing bio-based BOPA film with both sequential and simultaneous stretching
- Full structure BOPP//VMOPP, High heat-resistance BOPP

Research and development budget in 2020

Research and development film value (MB.) in 2020



Research and development for sustainability

A.J. Plast focuses on developing and producing environmentally friendly films including bio-degradable, bio-based, post-consumer recycled and mono-materials to be a set of alternatives for converters and Brand owners to choose sustainability film following their requirement. These products have all required properties equivalent to the original packaging (fossil-based packaging). These environmentally friendly products can also be printed, coated and can be used as sealed layers. They are also suitable for food and fresh vegetable packaging due to its excellent vapor and gas barrier.

Bio-degradable

Polylactic acid (PLA) is 100% bio-degradable bioplastic that can naturally degrade within a certain range of temperature and moisture concentration and with the help of microorganisms. This can decompose the plastic into biomass, water and carbon dioxide and return them back to the environment without leaving any poisonous residue.

PLA is made from renewable natural raw materials such as corn, sugar cane and cassava. PLA is the first bioplastic that has sufficient market demand to be industrially processed to supply the increasing market demand. Moreover, due to the limitation of PLA in terms of its high brittleness at room temperature, the transverse into BOPLA film is still limited.

We started to do research and development on BOPLA (biaxially oriented polylactic acid) film forming process in lab-scale with the National Science and Technology Development Agency (NSTDA) and a collaboration with others. Additionally, our company is the first successfully to produce BOPLA films in SEA countries.

A.J. Plast successfully found a method to produce BOPLA films. It is made from over 99% of PLA resins. The properties of the BOPLA are outstanding in terms of transparency, strength and tensile which are comparable to BOPET. Thus, it can be hot sealed in a temperature range of 80-90 °C. Moreover, this film has excellent twist retention which can be used for fruit, vegetable, bread, candy and straws, etc.



Product Picture

With our modern technology and intention to produce compostable food packaging, A.J. Plast has cooperated with a Thailand's leading printing company to successfully develop High Barrier BOPLA packaging as shown in the picture

Bio-based film

Polyolefin products: BOPP and CPP

A.J. Plast has the highest BOPP and CPP production capacity in Thailand. The company has focused on developing bio-based PP film by Polyethylene which is made by Ethanol from sugar cane extract. These renewable raw material can help to reduce fossil-based material usage and carbon dioxide emission rate which are cause of global warming.



“**Bio-based anti-fog BOPP**” is one of the products that has been certified Biomass Mark by Japan for Sustainability (JFS). This product is widely used as packaging for fresh fruit and vegetables due to its excellent anti-fog property that can prolong the life of fresh food. This property can effectively prevent condensation of steam and can vividly show the product inside the packaging.

Bio-based CPP has been designed to mix with bio-based PE so that it has both outstanding PP and PE properties. This product still has outstanding clarity and strength from PP and good properties of PE such as good impact resistance and ability to work well under low temperature. This film group is suitable for the being the outer layer and being heat-sealed adhesive layer.

Polyamide products BOPA

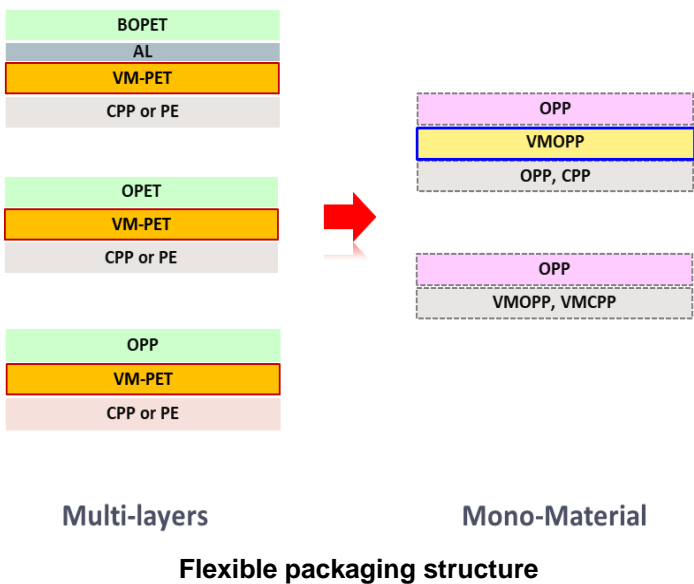
A.J. Plast has partnered with a major plastic resin manufacturer to produce the world’s first bio-mass feedstock BOPA film in 2016. These resins are produced from 100% used oil, vegetable oil and organic waste. Due to its high purity, the production of this film releases a lower amount of carbon dioxide emission. Biomass PA films can be produced by using the highest proportion of 100% biomass PA resins. The 100% biomass PA films is 100% recyclable and has quality and properties equivalent to fossil-based PA film.

In addition, A.J. Plast is the only bio-based BOPA manufacturer that have successfully produced BOPA film with sequential and simultaneous technology. These stretching techniques provide different strong points in terms of properties.

Mono material packaging

Nowadays, most flexible packaging is multilayer films, comprising multi-materials to obtain suitable packaging properties for its particular use. This multi-materials makes it hard to be recycled because each material has different melting points and flow properties.

Generally, the sealing layer is usually polyolefins (PE or PP) material, which has low melting point and superb seal integrity while BOPET can potentially provide the strength to the material, and aluminum foil or vacuum metalized BOPET (VM-PET) acts as a water vapor and gas barrier layer as shown in the diagram.



To ease the difficulty of recycling these multilayer films, the company has dedicated to the develop mono-material which comprises only polyolefins to replace the multi film structure such as BOPP//VMOPP and BOPP//VM-CPP. Currently, the company is doing research and development on BOPP to have higher heat resistance than conventional BOPP. The target is to have it stable when it is exposed to temperature 165–170 °C.

Post-consumer recycled (PCR)

Todays, PET production and consumption have been steadily increased, resulting in greater severity of plastic bottle waste and pollution both on land and in water. Therefore, recycling PET bottle is one effective way to reduce plastic waste, carbon dioxide emission and the use of limited fossil fuel.

“PTPC” BOPET or post-consumer recycled BOPET film can be made by mixing the proportion of PCR PET resins up to 50% to make the core film layer. This proportion can provide quality and properties as excellent as BOPET. The product has passed a set of quality testing procedures and have certified by major standards as below:

- Food and Drug Administration (FDA)
- Regulation (EC) No 1907/2006 Concerning the Registration, Evaluation, Authorization, and Restriction of Chemicals (REACH)
- Heavy metal test

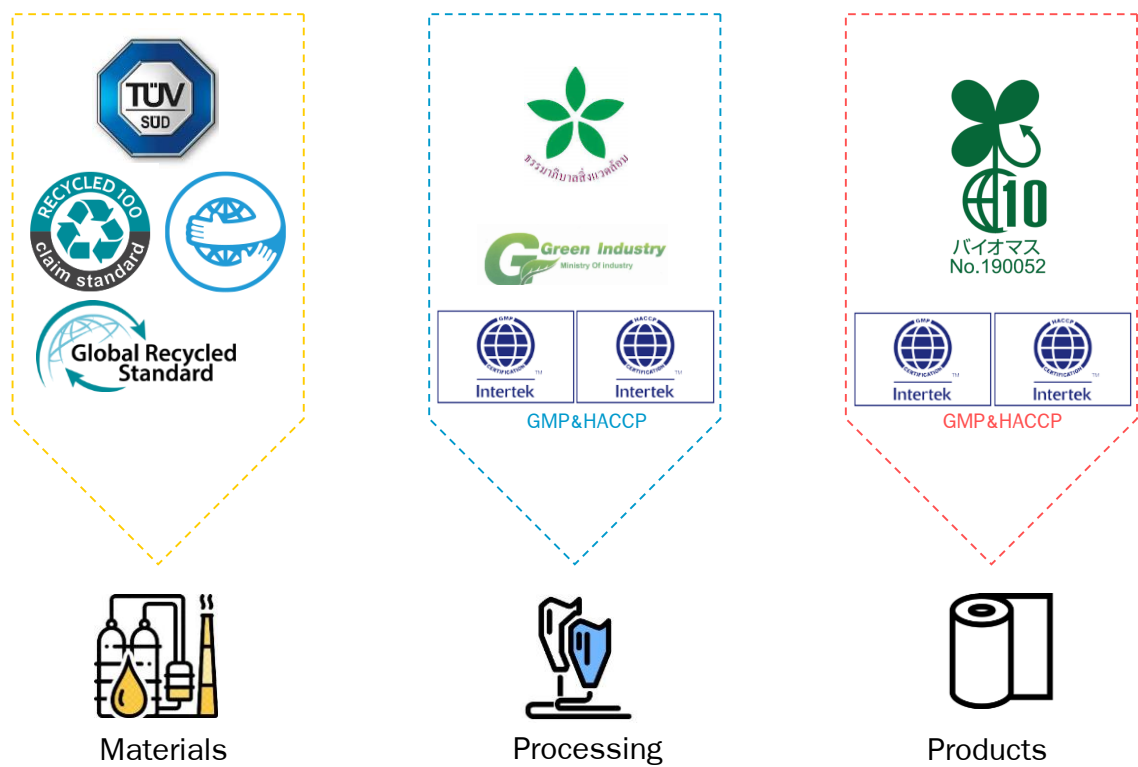
GLOBAL QUALITY STANDARDS

The company has seriously valued the product quality and quality standard. Our company has been certified the ISO 9001:2000 due to our high standard throughout the production processes including management such as high-quality raw material and expert employment.

In addition, we have also devoted much attention to the greater volume of plastic waste and its negative consequences to the environment. Thus, we have used post-consumer resins researched by BASF to produce bio-based BioPA. This product is made from 90% post-consumer oil and vegetable oil resins and has been officially launched to the market.

According to the quality assessment and standard of the product, BioPA film can be used as food packaging and shares the same properties as the fossil-based BOPA which has high puncture and impact resistance as well as outstanding gas and oil penetration barrier. This product also has certified by TÜV.

Beside from BioPA, BOPPlus is made from plant-based biopolymer resins as a part of raw material to replace the conventional polymer. This product is 100% recyclable.



The company pays attention to international standard to be applied throughout its value chain such as the raw material selection, film production process and product standard. As a result, our products have been recognized internationally.

REDUCED WASTES & ENERGY CONSUMPTION

Energy management and environment

- Changing light bulbs to LED bulbs and energy-efficient air conditioners
- Reducing unnecessary paper usage, reusing paper and increasing the use of technology in documenting and reviewing documents
- Investing in new machineries to reduce energy consumption and reduce greenhouse gases emissions
- Commuting to clients' sites together in the same ride to reduce carbon dioxide emissions
- Planning to use renewable energy from sunlight which can reduce carbon dioxide emission by 1,295 tons CO₂e per year and can reduce electricity expense around 5.3 million baht per year
- Using technology for internal communication to save time and expense and to reduce environmental pollution
- Managing all the chemical wastes from production process and delivering to chemical waste management agencies
- Research and development on replacing some portion of fossil-based resins with recycled resins to reduce amount of waste such as used cooking oil and used oil from agricultural activities, garbage, etc.

	Target	Project's details	Performance
Reduction of Electricity consumption	<div><ul style="list-style-type: none">• Able to reduce electricity consumption by 1.1%, equivalent to 1,464,790 kWh. in 2021<div><div><div>8</div><div>DECENT WORK AND ECONOMIC GROWTH</div></div><div><div>12</div><div>RESPONSIBLE CONSUMPTION AND PRODUCTION</div></div></div><div>(GRI 302-1)</div></div>	<div><ul style="list-style-type: none">• Changing electric bulb to LED bulbs• Solar roof installation</div>	<div><ul style="list-style-type: none">• Decrease in electricity expense 316,595 baht when compared with 2020's (77,171 kWh./year)</div>
Reduction of water consumption	<div><ul style="list-style-type: none">• Able to reduce water bill by 282,264 baht in 2021<div><div><div>7</div><div>AFFORDABLE AND CLEAN ENERGY</div></div><div><div>8</div><div>DECENT WORK AND ECONOMIC GROWTH</div></div><div><div>12</div><div>RESPONSIBLE CONSUMPTION AND PRODUCTION</div></div><div><div>13</div><div>CLIMATE ACTION</div></div></div><div>(GRI 301-2)</div></div>	<div><ul style="list-style-type: none">• Replacing cooling water chillers with air-cooled chillers• Using circular-loop water system in our production</div>	<div><ul style="list-style-type: none">• Decrease in water consumption by 11,521 m³/year (equivalent to 3,840 m³ per production line)</div>

SUSTAINABLE DEVELOPMENT INVESTMENT

1 Investing in expert personnel

To control and supervise operations in accordance with international standards and to develop personnel potential and align their expertise to Thai standards.

2 Investing in research

We have focused on developing and innovating new products to meet both local and international market demand while caring about reducing the negative impacts of fossil fuel consumption. Thus, we have done R&D on environmentally friendly products and tried to reduce the use of fossil-based raw materials. We also did our best to recycle plastic wastes to reduce plastic waste and organic waste. In 2020, we have invested in [product R&D 110.63 million baht](#).

3 Investing in new technology

To be a leader in production technology and to have the most cutting-edge technology in the market to maximize product's quality and quantity.

This technology also reduces the emission of carbon dioxide and electricity consumption, resulting in the reduction of environmental pollution. We also have a solar roof project for our new plants.

4 Investing in information media

We have installed a conference system for online meetings in production control rooms and all meeting rooms for rapid communication across offices and for reducing unnecessary commute

5 Investing in domestic and international production base expansion

Due to the increase of the demand market, production base expansion is necessary for the company's future growth. The company are expanding production capacity in Thailand at Pinthong Industrial Estate, Chonburi. Besides, we have cooperated with SCG on a joint venture company in Vietnam which is currently in the process.



RELIABILITIES & REASONABLE PRICE

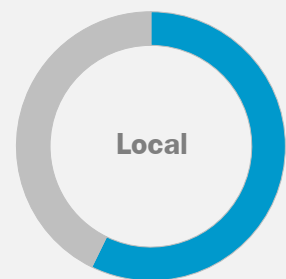
Due to the company’s high-standard products and good services of our employees, the company has received the trust of customers for a long time. Raw materials need to be checked and maintained its high standard. Risks are evaluated based on current situations. Materials importations are carefully proceeded to have sufficient raw materials entered production process. Technology is applied to quality checking assessment for high accuracy. The products are randomly checked one more time before delivering to customers’ hands. Customer satisfaction scores are assessed for further improvement of our products and services and for lowering the future risks.

According to the 2020 Domestic Customer Satisfaction Survey, 83% of our local customers were satisfied. Within this group of customers, 70% of all assessment criteria were ranked “very good”. These criteria include products’ quality and safety, COA document and services, convenient and rapid service, high standard quality and chemically and biologically contaminant-free. The rest 30% has been ranked “good”.

According to the 2020 International Customer Satisfaction Survey, 76% of our total international customers were satisfied with our products and services. The average score of all criteria ranked by this group of customer was “very good”. These criteria include high film quality standard, good service, delivery performance, and necessary document attachment.

Most of the feedback received from both domestic and foreign clients are collected from delivery and sales department. Due to the inconvenience of transportation during COVID-19, client visiting could not be as consistent as it should have been and could lead to some miscommunication.

However, the company has constructed its risk assessment by various strategies such as procurement planning and raw material shortage prevention to continuously support the production capacity.



83% Satisfaction



76% Satisfaction

RESPONSIBILITIES TO SOCIETY

Social activities

We think highly of the importance of society’s wellness in various dimensions by supporting and assisting society directly and indirectly. In 2020, there were a total of 50 CSR activities. We targeted to have the number of CSR activities increase by 10% in 2021.

1 Education and sports support

• National Children’s Day 2020

Our company has supported students financially through scholarships to many schools at Ratchapruek Meeting Room, Laem Chabang Industrial Estate.



• School’s Staircase renovation project

Our company donated fund to support the renovation on the stairs of school building at Wat Laem Chabang School.



• Academic activity: “Learn Love Live Like” at IEn-Tech

At an academic activity called “Learn Love Live Like at IEn-Tech”, executive representative joined the activity at Laem Chabang Engineering Technology College to receive a certificate and to visit students’ academic work / community’s product booth / organization’s booth



• Food donation to a football club

Food donation to a football club, LAEM CHABANG EN-TECH F.C. ACADEMY, at Laem Chabang Engineering Technology College



RESPONSIBILITIES TO SOCIETY

2 Relief support

• Second-hand electronic devices donation

Donating used computers, electronic equipment and electronic appliances to Baan Nokkamin Foundation to be sold and converted to donation money



• Giving Away Survival Bags to the Community

A.J. Plast Company, in cooperation with BRUCKNER GROUP, donated survival bags to Baan Eua Arthorn Naklua Community, Bang Lamung, Chonburi.

The company supported dessert, food and survival bags to Thung Song Hong community, Laksi community Bangkok, Ban Laem Thong Community, Ban Thung Community and Ban Na Kao community, Chonburi.



• Happy Sharing Cabinet Project

Participating in “Happy Sharing Cabinet” project at the Office of the Attorney General Ratchadaphisek Road, Federation of Thai Industries, at Laem Chabang Industrial Estate Office Chonburi Province, Laem Chabang City Municipality, Laem Chabang Police Station, Chonburi Province by donating rice, dry food, snacks and drinking water to the communities during COVID-19



RESPONSIBILITIES TO SOCIETY

3 Community and environment and natural resources development

• “ White Flag Green Star” Project

On January 10th, 2020, A.J. Plast executives have received environmental governance flag and a certificate of honor at the Grand Ballroom, Amari Pattaya Hotel, Chonburi



• Environmental Conservation Consciousness Project

A.J. Plast has donated snacks for an environmental conservation consciousness activity on 25th -26th February 2020 at the Kung Krabaen Bay Royal Development Study Center.



• Ruk Pho, Rak Ton Mai Project

A.J. Plast and GUSCO collaborated to plant a forest in “Love the Father, Conserve tree” project to follow the footsteps of Sufficient Economy at a mangrove forest, Ban Laem Chabang community. The purposes of the project are to increase green area and to create a network for reforestation. This project enhanced the flourishing environment and community around industrial estates.



RESPONSIBILITIES TO SOCIETY

4 Promoting healthcare

• Cold Prevention Measures Activity

This activity was to encourage hand-washing, mask-wearing measures campaign to our employees and visitors to prevent COVID-19. This activity was on a regular basis of 19 times/month



• Blood Donation Activity

Blood donation activity was encouraged to employees who were interested to participate at the Ratchaphruek meeting room office of Laem Chabang industrial estate.

• Supporting Thai Doctor Volunteer Camp Project

Snack donation to the 2nd Thai doctor volunteer camp in Phu Ruea District, Loei Province, for villagers and children who come to receive treatment



• Disinfection Cabinets, Water Dispenser and Cutlery Donation

Disinfection Cabinets, Water Dispenser and Cutlery Donation to Asst. Prof. Dr. Parinya Thaewanarumitkul, a Vice President for Administration and Sustainability and Manager of Thammasat University Field Hospital for COVID-19 patients.



• Herbal Plants Donation

Herbal plants donation to support Health Promoting Hospital, Chalem Phra Kiat 60th Anniversary Nawamin Rachini, Khu Bua, Ratchaburi province

• Alcohol Hand Gel Donation

Alcohol hand gel and snack donation to the public health office and Laem Chabang Industrial Estate (IEAT), Laem Chabang city, Chonburi and Laem Chabang police station, Chonburi, and financial donation to government agencies to support the surveillance of COVID-19 situation



RESPONSIBILITIES TO SOCIETY

5 Community relationship building activities

• Merit Making and New Year Party 2020

The company organized a merit-making activities and New Year's party every year to build relationship among employees and to thank them for their work throughout the year



• Pracharat Market Project, A.J. Flea Market

A.J. Flea Market was held in front of A.J. Plast office building to support and to provide another distributing channel for the community at Laem Chabang in 2020.



• Frozen Food and Snack Donation

Frozen food and snack donation to Public Health Office, Chonburi



• New Year Baskets Giveaway

New year's baskets giveaway for the year 2020 to government agencies, communities and various sectors to build good relationship among the company, government agencies and nearby communities

