

AMATA

Creating Cities, Driving Economies

STRATEGIC FOCUS *on* AEC



AMATA CORPORATION PUBLIC COMPANY LIMITED

SUSTAINABLE DEVELOPMENT REPORT

2015



**AMATA :
THE WINNING
GATE TO
ASEAN**



ABOUT AMATA

Amata Corporation Public Company Limited (AMATA) is the group of companies engaging in developing world class industrial estate. Amata Corporation Public Company Limited was founded in B.E. 2532 (1989) and has been registered in The Stock Exchange of Thailand since B.E. 2540 (1997), with the headquarter located in Bangkok, Thailand. AMATA was among the Thailand's leading companies which developed the industrial area in the eastern part of Thailand following the 5th National Economics and Social Development Plan (B.E. 2525-2529) (1982-1986) and the government policy promoting the overseas investment. Becoming highly successful in Asia, AMATA is now the global leader in the large industrial estate development business which focuses on building industrial park, creating economic growth, developing social infrastructure, and conserving the environment.

From the expertise in management and marketing, together with the sustainability development framework, AMATA is focusing on economic development, industry and society coexistence, and eco-friendly industrial estate development in order to efficiently recirculating resources according to the principle of sustainability development.

Nowadays, AMATA has built and operated 4 industrial parks, local and overseas, which are "Amata Nakorn Industrial Estate, Chonburi", "Amata City Industrial Estate, Rayong", "Amata City (Bien Hoa), Vietnam", and "Amata City Long Thanh, Vietnam". All of these industrial parks have been developed to become "Smart & Intelligent Cities" with capabilities to create growth to the cities and to sustainably drive the country economy.

Under AMATA's management, the success factor of developing industrial park is the ability of fulfil demands from customers in the industrial estate. AMATA has developed business structure to support the development of industrial factories by its core and supporting businesses of global standard i.e.

- The business related to real estate focusing on developing industrial area
- The business related to ready-build factory of small, medium and large scale
- The business related to infrastructures e.g.
 - Power plant
 - Water supply for industry
 - Waste water treatment plant
 - Control station and distribution network of natural gas for industry
 - Road network for shipping and distributing goods
 - Security system
 - Telecommunication system
 - Industrial waste treatment system

Amata Corporation Public Co., Limited is deemed to be the full-coverage business that can serve and support the investors and industrial factory operators in the industrial estate with real sustainability and completeness.

VISION MISSION



Amata Corporation Public Company Limited is a company specialized in planning, developing, managing and marketing, which cover all aspects of industrial estate development. AMATA has ability to support wide varieties of business in the industrial estates through its well-developed infrastructures, utility systems and various services such as international standard road system, power and natural gas plants, and eco-friendly, well-managed central area based on the principles of Eco-Industrial Estate. These well-integrated operation is the key factor driving Amata Corporation Public Company Limited to become the leader in developing world-class, modern industrial estate with the services of international standard.

CORPORATE VALUES

Employees of Amata Corporation Public Company Limited have specified the core values which are in line with and support the Company's vision. Five values of Amata's employee, called "DRIVE", are as follows:

- **Dependable : D**
Reliable, accountable, honest, equitable, considerate, sincere, transparent, compliant with both professional and organizational rules and ethics.
- **Responsive : R**
Visualize and understand business. Develop business. Manage and rapidly drive business to success. Perceptive to people's needs and see how to respond impressively to those needs. Serve customer with sincerity and responsibility in order to create the highest level of customer satisfaction.
- **Innovative : I**
View problems from different angles. Build on ideas and think out of the box. Have creativity and new ideas for new products, services and work process to achieve a quantum leap results.
- **Visionary : V**
Have broad perspective in business. Think systematically. Have ability to plan for the future. Have passion to learn. Stay up-to-date with new knowledge and innovations so as to understand and apply them for the best benefits to the customers and the company.
- **Efficient : E**
Set exciting goals and standards. Strive to reach them by fully utilizing resources. All employees are united in action and spirit to achieve common goals.

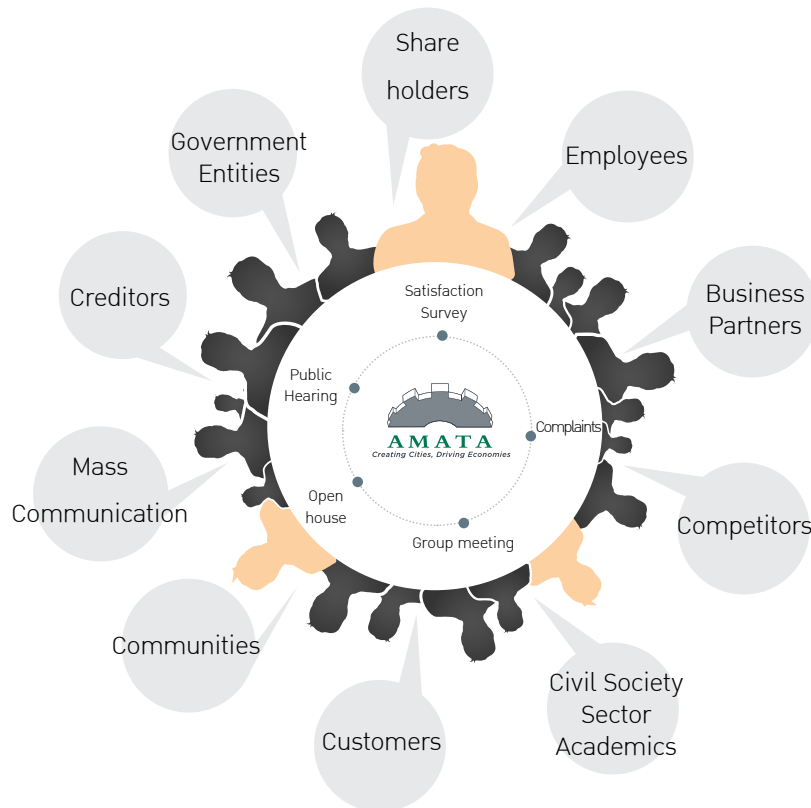
SUSTAINABLE BUSINESS OPERATION



- Stakeholders Engagement
- Issues on Sustainable Development
- Corporate Governance and AMATA Ethics

Stakeholders Engagement

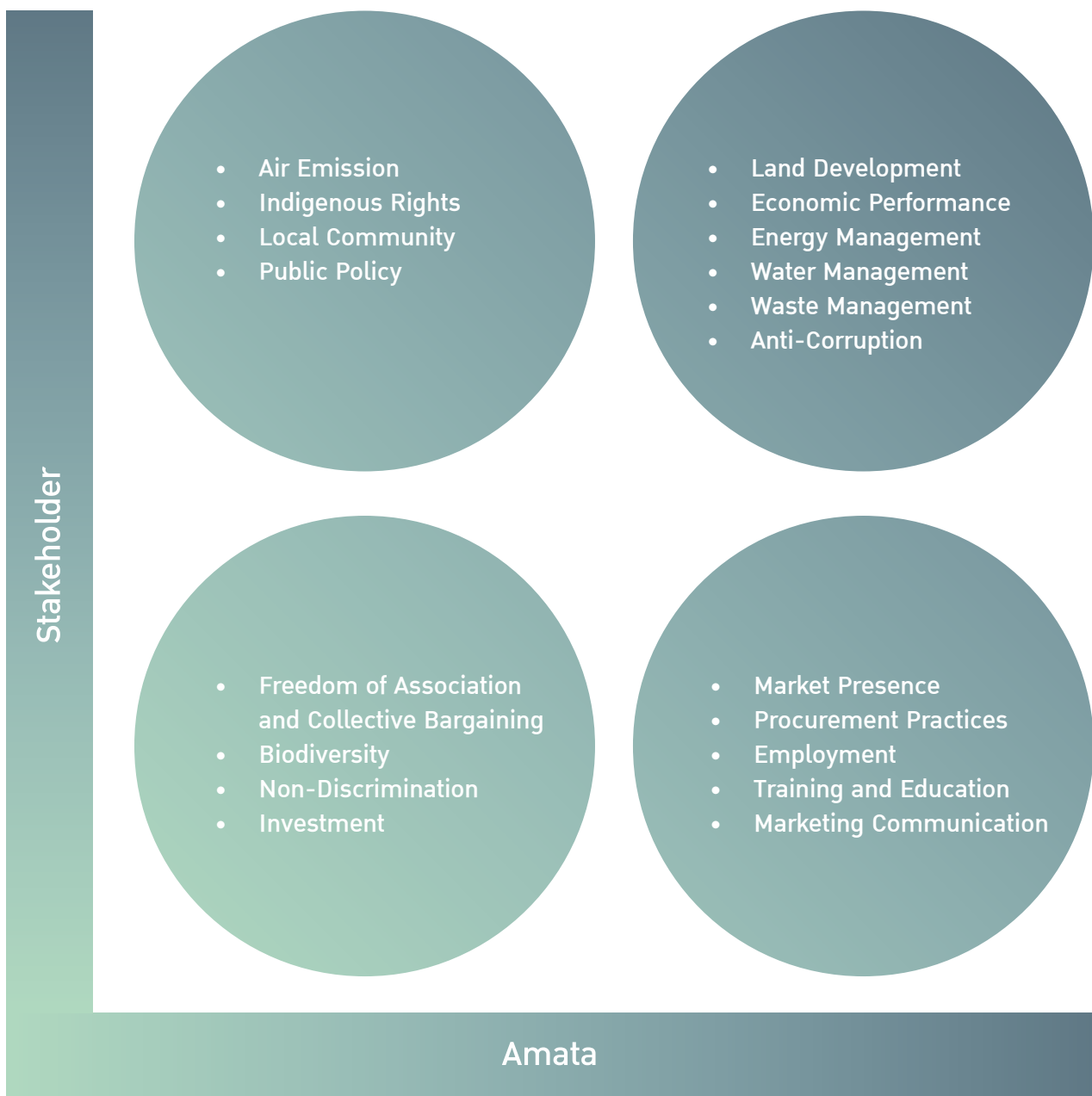
Amata Corporation Public Company Limited values and takes the best care of stakeholders. AMATA is focusing on all kinds of stakeholders, both internal and external including customers, shareholders and employees and also the society and environment. AMATA takes responsibility by utilizing management tools and methodology through company’s activities such as public forum, satisfaction survey, complaint management system, company visit through Open-House activities, and meetings. From these activities, Amata Corporation Public Company Limited is able to incorporate various ideas to improve and develop the guidelines for business operation in order to continuously meet the stakeholders’ expectation which directly results in the sustainable growth of business and corporate governance of the company.



Stakeholders	Guidelines and Strategies
Shareholder	Conduct business with transparency according to corporate governance, with consideration of business growth and information disclosure with equality.
Employee	Develop potentials for career stability. Take care of health and safety. Promote moral and ethic, and adhere to the principles of human rights with equality.
Business Partner	Create good relationship according to agreements and code of ethics. Treat with fair competition.
Competitor	Treat with good competition; do not destroy competitor’s reputation.
Civil Society/ Academia	Open public forum; build academic network for sustainable development of community and society.
Customer	Meet demand and create satisfaction with determination to develop full-range products and services aiming to be Perfect SMART City to support country growth.
Community	Be aware of health, safety and co-create good, sustainable quality of life.
Media	Disclose accurate data and information responsively, timely and transparently.
Creditor	Strictly follow the terms and conditions of agreements
Government Agency	Carry out transactions with the government according to the intendment of law

Issues of Sustainable Development

For more than 20 years since Amata Corporation Public Company Limited started business, the company has been focusing on sustainable development of the organization that maintains good balance between the economic growth and the business-community coexistence together with the environmental conservation. In choosing the issues of sustainable development for 2015, we are in the early state of the implementation of the GRI Sustainability Reporting Guidelines (GRI-G4) to create “Materiality Matrix”. This “Materiality Matrix” will help to identify and categorize the issues of sustainable development by the level of materiality and help to create the company’s action plan on sustainable development as described in the table.



From the analysis of the sustainable development as shown in the table, the company has brought various projects into action throughout 2015, sorted into 3 categories namely economic, social and environmental. The company has good cooperation and contribution from stakeholders to carry on all the activities.

Corporate Governance and AMATA Ethics

The Board of Directors promotes business sustainability and protects stakeholders and social benefits. The company provides opportunity for stakeholders to express their opinions and concerns about business operation with mechanic and procedures, following through into real actions. This helps to create the complete supervision of the operation.

1. Managing the organization with strict adhere to the law and regulations.
2. Supervising and ensuring strict compliance with AMATA corporate governances and business ethics.
3. Operating business with transparency, honesty and fairness.
4. Being “good citizen”. Cultivating the employees the value of “being good citizen”.
5. Giving fair and equal consideration about benefit and effect to stakeholders as a result of the organizational operation.
6. Operating business with responsibility. Protecting stakeholders and social benefits.
7. Creating solid working system through internal audit system in order to prevent corruption.
8. Directors, management and employees are required to collaborate in anti-corruption, report conflict of interest, communicate effectively and promote work-life quality.

Giving opportunity for stakeholders to complain and express their opinion with non-disclosure protection.



BUSINESS OPERATION WITH ECONOMIC SUSTAINABILITY



- Sustainable growth in ASEAN Economic Community
- Human Rights, Equality and Diversity

Sustainable growth in ASEAN Economic Community

Building sustainable country economy is the important goal of Amata Corporation Public Company Limited. The company business operation is part of Thailand stability. The company creates jobs for local communities, generates country income from import and export of goods and services by companies operating in “Amata Nakorn Industrial Estate, Chonburi” and “Amata City Industrial Estate, Rayong”. Currently, there are more than 1,000 companies operating in both estates, injecting funds from local and overseas investment into local and country economy.

From the success of both estates, in 2014 the company, aiming to create Asian economic stability, started feasibility study on the development of new industrial estates in Myanmar, Lao People’s Democratic Republic, Cambodia, etc. These projects will support industrial expansion in Asian. The company aims to take part in building economic foundation for Asian by building the completely integrated industrial estates that will be part of communities with eco-friendly business operation for sustainable environmental conservation.



Human rights, equality and diversity

The company gives precedence to human rights, employee right and equality treatment. The company guidelines are based on human right principles written in the law and international standard related to discrimination, freedom to form association, labor enforcement and child labor, in order to ensures stakeholders’ confidence.

The company offers equal opportunity for people of any race, religion, gender, age, status, homeland, education, discipline and regardless of disability. As a result, the company can attract diverse pool of potential employees, local and international, with talents and capabilities suitable for variety of jobs and customer needs. This diversity promotes share learning, and cultural exchange which benefits employees, organization and society. Currently, the company employees also include Japanese, Singaporean, Burmese, Chinese, etc.



BUSINESS OPERATION WITH ENVIRONMENTAL SUSTAINABILITY



- AMATA Environmental Management
- Eco-Champion Award
- Air Monitoring Project by Air Quality Monitoring Station (AQMS)

- Emission Inventory Database Management
- Environmental Governance Award (White flag green star)
- Zero Waste Discharge
- Environmental Monitoring and Control Center : EMCC

Amata Best Waste Management Award 2015 AMATA Environmental Management

Amata industrial estate is a project required Environmental Impact Assessment Report (EIA) with approval from Office of Natural Resources and Environmental Policy and Planning according to the Notification of the Ministry of Natural Resources and Environment, The Enhancement and Conservation of the National Environmental Quality Act B.E. 2535 (NEQA 1992).

The company has been continuously producing Environmental Impact Assessment Report under the supervision of Industrial Estate Authority of Thailand (IEAT), which is the state enterprise under the Ministry of Industry, having crucial role in developing Thailand industry while conserving environment. The IEAT has setup environmental management system for prevention, correction, and reduction of the impact to environment, together with the standard to monitor the impact of environment i.e. 1) Air quality 2) Water usage and quality 3) Water drainage and flood prevention 4) Sound 5) Industrial waste and waste treatment 6) Occupational health and safety 7) Economy and society. These activities create value to society by making factories and surrounding communities to be aware of and to cooperate in environmental management with closer relationship.

Amata industrial estate is seriously aware of the importance of natural resource usage and its impact to environment and environmental conservation. AMATA management has established the environmental policies and intention as followed;

1. Amata industrial estate strictly adheres to the law and regulation related to environment.
2. Amata industrial estate focuses on prevention of problems.
3. Amata industrial estate strives to reduce waste and recycle it for maximum benefit.
4. Amata industrial estate focuses on efficient and economical usage of natural resources and energy.
5. Amata industrial estate will continuously develop the efficiency of environmental management system in various areas including water management system and waste management system.
6. Cultivate the employees the value of environmental conservation under the concept of "Green and Clean."
7. Publicly announce the environmental policies.

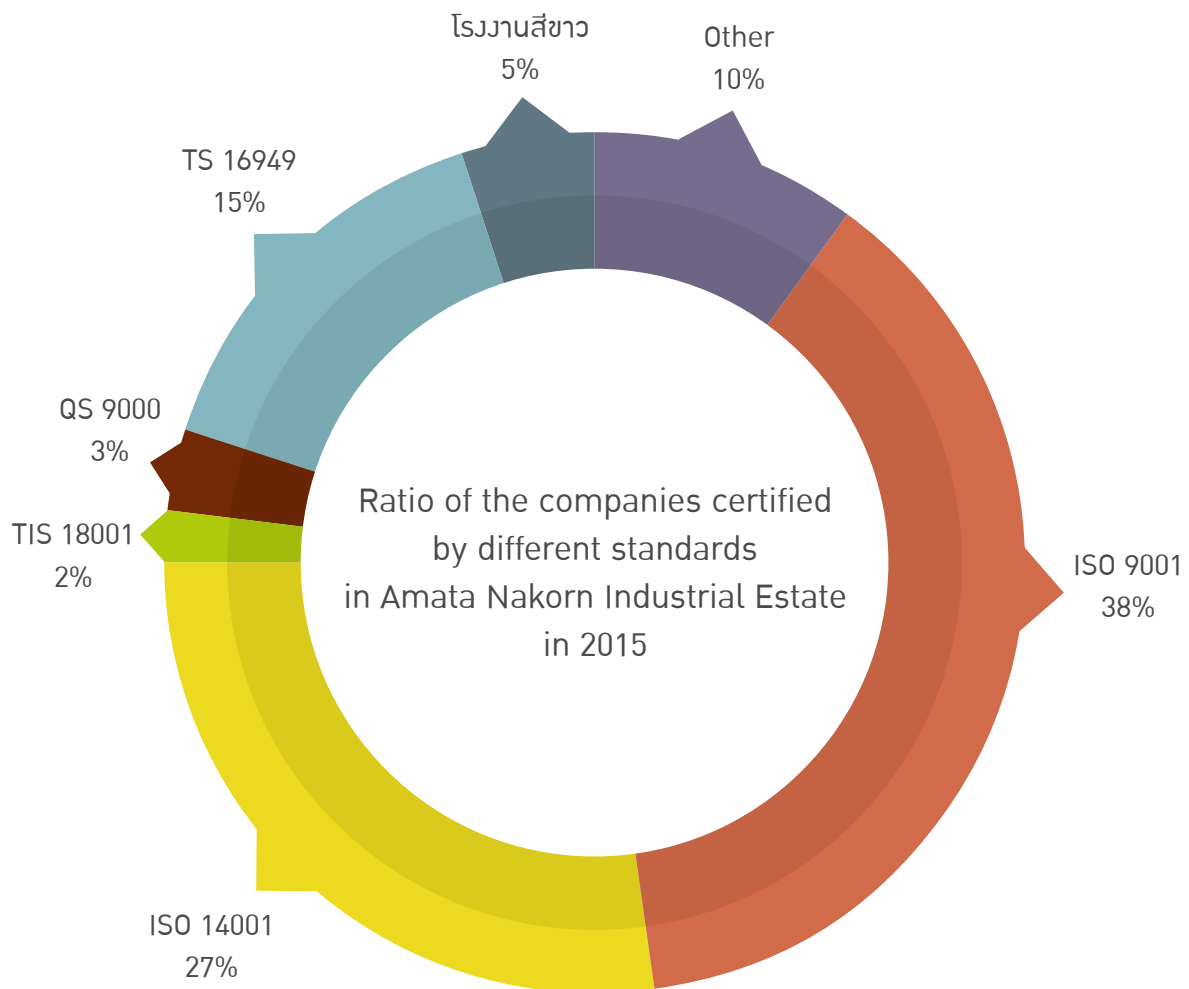
With good cooperation from all stakeholders, Amata industrial estate has been certified the Standard of Environmental Management System ISO 14001 since 2000. The scope of Environmental Management System ISO 14001 includes Amata Nakorn Industrial Estate (managed by Amata Corporation Public company limited) and Amata City Industrial Estate (managed by Amata City company limited), and also involves companies in Amata Group i.e. Amata Water company limited and Amata Facility Service company limited.

Amata Nakorn Industrial Estate has brought into actions the concept of eco-friendly industrial management, which is being developed and improved continuously such as

- Implementing Zero Discharge system in environmental management of the industrial estate by using advance technology to manage and recycle treated industrial water with the maximum efficiency.
- Implementing Zero to Landfill system. AMATA's Zero to Landfill system reduces the quantity of non-hazardous industrial waste by taking them to the waste segregation building operated under 3R principle (Reuse Reduce Recycle). One part of the un-reusable remaining will be burned to produce electricity for the estate. The other will be taken to cement kiln and burned together with cement. Nowadays, AMATA is able to reduced waste landfill to 0%.

Besides, the company has installed monitoring system to check and control the quality of environment in various aspects be it air quality, sound quality, surface water quality and underground water quality. The company is able to monitor environmental quality of the estate to ensure the confidence in co-living between industry and communities.

Because of the strict adherence to the measure in preventing and correcting the environmental impact and the measure to monitor environmental impact, together with the measure to take care of community and society, AMATA industrial estate was granted EIA Monitoring Awards - The best category- from Office of Natural Resources and Environmental Policy and Planning. AMATA has promoted and supported factories in the estate to be certified with various standards because good standard factories have to pass assessment in quality, environment, safety and others, in order to establish the confidence that its operation does not create negative impact to environment and society.



Eco-Champion Awards

Since the company is the industrial estate developer working together with the Industrial Estate of Thailand, the company, in the development of industrial estate, has followed the operational guide lines which are in line with the development framework of the Industrial Estate Authority of Thailand. In the frame work, eco-industrial town will be developed following the 5 dimensions and 22 aspects namely physical, economic, environmental, social, and management dimension. Each dimension is divided into 22 aspects of development, as shown in the picture.

Physics	Economy	Environment	Society	Management
Industrial Estate Zoning	Industrial Economy	<u>Eco Efficiency</u>	Quality of life of Employee	Public Participation
Infrastructure and Utility System	Local Economy	Resource Management		Regulatory
Green Building	Community Economy	Energy Management	Quality of life of Community	Enchantment
		Production Process and Product		National and International Standard
		<u>Pollution Control</u>		Innovative Technology and New Management System
		Water Pollution		
		Air Pollution		
		Waste Management		
		Noise, Odor, particulate, Smoke, Nuisances		Public Communication and Reporting System
		Safety & Health		
		Industrial Symbiosis		

In the development of the areas of Amata Nakorn and Amata City Industrial Estate to become the eco-industrial town, the company has carried out several activities and projects e.g. setting up traffic control committee and industrial waste management committee, creating jobs to community, creating fully integrated environmental management, developing life quality of community and factory and also developing modern data management system for office use.

As a result of many developments in 2015, Amata Nakorn Industrial Estate and Amata City Industrial Estate has been granted Eco- Champion Awards, for the second consecutive year, from Industrial Estate Authority of Thailand. Amata Corporation Public Company Limited determines to develop the areas, based on Eco-industrial town concept, to become a sustainable perfect industrial town.

Air Monitoring Project by Air Quality Monitoring Station (AQMS)

Amata industrial estate has developed Thailand industry with environmental conservation. AMATA has set up the environmental management system to prevent, correct, and reduce environmental impact and set up the system to continuously monitor the environmental quality in order to watch the change in air quality, sound quality, water quality, and other impacts. In order for the operation to create value to society, AMATA has raised community awareness and co-operation in environmental management. This enhanced the relationship between Amata industrial estate and surrounding community. The disclosure of environmental quality data will ensure society's confidence in AMATA's operation which helps AMATA to achieve acceptance from all parties. AMATA, therefore, has established the Air Monitoring Project by Air Quality Monitoring Station (AQMS). Four units have been installed in Amata Nakorn Industrial Estate at 1. Utapao measuring station 2. Map SamKleo measuring station 3. Phan ThongSapa School measuring station and 4. Om Kaew measuring station. Two units have been installed in Amata City Industrial Estate at 1. Phana Nikhom measuring station and 2. Map Yang Pon Health Promotion Hospital measuring station.

The report from 24-hrs continuous air quality monitoring will be part of the report on Result of assessment of measures to prevent, correct, and monitor environmental quality of Amata industrial estate. The following parameters will be shown in the report i.e.

1. 24-hrs Total Suspended Particular (TSP)
2. 24-hrs Particular < 10 micron (PM10)
3. Sulphur Dioxide (SO₂)
4. Nitrogen Dioxide (NO₂)
5. Wind Speed and Wind Direction (WS/WD)

In order to continuously monitor the air quality situation in the real-time manner. From the past result, all measured parameters are below the standard level stipulated by the law. This helps to boost community confidence in Amata industrial estate to achieve sustainable co-living.

Four Air Quality Monitoring Stations (AQMS) in Amata Nakorn Industrial Estate



Two Air Quality Monitoring Stations (AQMS) in Amata City Industrial Estate

Emission Inventory Database Management

For air pollution management in the studied area or any air pollution watched area, the database of emission level by emission sources plays crucial role. Because each emission source has similarity and difference in type, quantity, or management measure etc., Amata industrial estate, therefore, is continuously developing Emission Factors based on the change occurred to each emission source. There are several types of emission sources e.g. point source namely a factory, a power plant, etc., and mobile sources such as various types of vehicles. Emission Inventory is the important database collecting quantity and characteristics of pollution and emission emitted from each type of emission source. The quantity and characteristics of pollution and emission emitted from each type of emission source will lead to suitable guidelines and measures to manage and reduce air pollution in the studied area. Because each area is facing different air pollution problems, therefore, each area required different guidelines and measures for air pollution problem, which will be different from what applied for area with pollution from industrial sources e.g. industrial estates in Thailand etc. However, for the development of Emission Factors and the Emission Inventory database, there requires cooperation and support from government agencies and private sectors to provide fund, data, and human resources specialized in database development. All of these will lead to good standard and accurate Emission Factors and the Emission Inventory database, which will help to select suitable guidelines and measures to efficiently manage air pollution from different types of emission sources thereafter.

Environmental Governance Award (White Flag Green Star)

The government policy, which emphasized the development of eastern seaboard to become Thailand main industrial area especially Map Ta Phut, caused the rapid expansion of factories and communities. The situation created pollution problems in water, air, waste, and contamination of underground water leading to people complaints requiring prevention and correction from the government and industry. In fact, before the announcement of industrial area, the Industrial Estate Authority of Thailand (IEAT), together with government agencies, local administrators and entrepreneur, implemented an action plan to reduce and eliminate pollution in Rayong during 2007-2011. Besides, the Industrial Estate Authority of Thailand has established "White Flag Green Star" project in Map Ta Phut in 2007 and later expanded the project to cover industrial estate all over Thailand in B.E. 2009 and has still been implementing it today.

The environmental governance consists of providing complete information in all aspects, sharing information transparently and traceably, associating community to reduce conflict, and sharing benefits fairly between industry and community. This results in noticeable reduction of pollution. AMATA develops Environmental Monitoring and Control Center to build confidence in environmental monitor and also implements the Environmental Governance Project (White Flag Green Star) by continuously having factory audited in environmental management area.

The Environmental Governance is the project by which organization expresses social responsibility in order for community and society to perceive organization's intention to adhere to the law and conserve environment in all aspects. This leads to sustainable development of industry, community, society, and environment altogether.

There are 5 factories participated in the Public Participation Promotion Project (White Flag Green Star) in 2013

1. Semsuk Public Company Limited
2. Mitsubishi Electric Consumer Products (Thailand)Co., Ltd.
3. Takebe (Thailand) Co., Ltd.
4. Thai Nok Co., Ltd.
5. Thai Daizo Aerosol Co., Ltd.

There are 6 factories participated in the Public Participation Promotion Project (White Flag Green Star) in 2014

1. Siam DENSO Manufacturing Co., Ltd.
2. Siam KYOSAN DENSO Co., Ltd.
3. Thai Lotte Co., Ltd.
4. Amata B. Grimm Power 2 Ltd.
5. Oishi Trading Co., Ltd.
6. Bangkok KomatsuCo., Ltd.

There are 7 factories participated in the Public Participation Promotion Project (White Flag Green Star) in 2015

1. USUI International Corporation (Thailand) Ltd.
2. Oriental Copper Co., Ltd.
3. Amata B. Grimm Power 3 Ltd.
4. Transitions Optical (Thailand) Ltd.
5. Daikin Industries (Thailand) Ltd.
6. Suncall High Precision (Thailand) Co., Ltd.
7. Yamaha Motor Parts Manufacturing (Thailand) Co., Ltd.

IEAT awarded certificates of the Public Participation Promotion Project (White Flag Green Star) in B.E. 2013.

Awarded on 6 January B.E. 2014



Examples of the Audition of the Environmental Governance Project (White Flag Green Star) in the participated factories.



Examples of the Audition of the Environmental Governance Project (White Flag Green Star) in the participated factories.

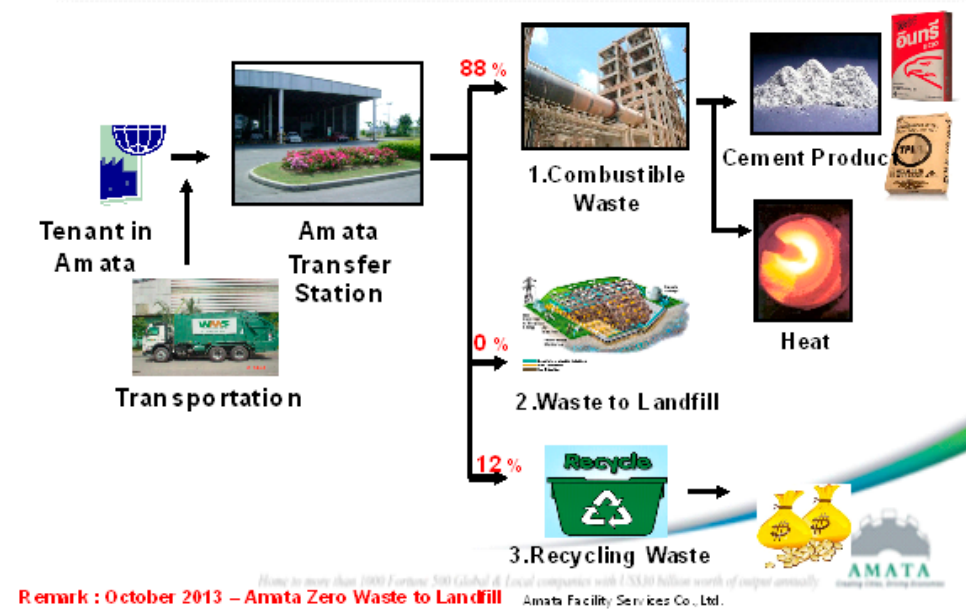


Zero Waste Discharge

Amata Nakorn Industrial Estate and Amata City Industrial Estate has implemented the concept of Zero Discharge to manage environment in the industrial estate since their establishment, be it waste water. Both estates followed water conservation policies by utilizing advance technology to manage the complete cycle of water with maximum efficiency including waste water treatment and water quality improvement. The waste management system is also implemented by collecting non-hazardous industrial waste and taking them to the waste segregation building for reuse under 3R principle (Reuse Reduce Recycle). The un-reusable remaining will be burned to produce electricity for the estate. Currently, Amata has committed to reduce Landfill by the concept of Implementing Zero to Landfill. The un-reusable waste will be taken to cement kiln and burned together with cement to increase community confidence. Amata also installed measuring system to monitor and control environmental quality in several aspects, be it the installation of air monitoring station, sound monitoring point, surface water monitoring point, and underground water monitoring point, in order to monitor quality of environment in the estate. Amata also develops the industrial estates to become Eco-Industrial Town with 5 dimensions and 22 aspects based on regulations from the Industrial Estate Authority of Thailand including suitable estate plan, public utility system, public assistance system and facilities. All of these are to support business operation of the factories and to contribute to community way of life in order to support the expansion of industry and community in the future, creating harmonious co-living between industry and surrounding local community, growing together and contributing to each other from both in the present and in the future.



Waste Management Process at Amata Transfer Station-Chonburi



Environmental Monitoring and Control Center

In the current development of industry, there is rapid, continuous expansion of industrial factories. Many kinds of industry have been established in the Amana industrial estate be it auto-parts, steel, alloys, plastics, electronics, chemicals, foods and etc. which probably create environmental impact and quality of life problems to the surrounding community such as impact in air quality and health problem. Because of these problems, Amata industrial estate set up guidelines to resolve the problems in more systematic ways.

Environmental Monitoring and Control Center or EMCC is a part of project to solve the environmental problem in Amata, initiated by the concept and development policy from Industrial Estate Authority of Thailand, aiming to continuously monitor and control the quality of environment in industrial estate area. The project will ensure the confidence in the estate's environmental management to the surrounding community and will promote the guidelines of environmental management of industrial estates with the environmental governance principles.

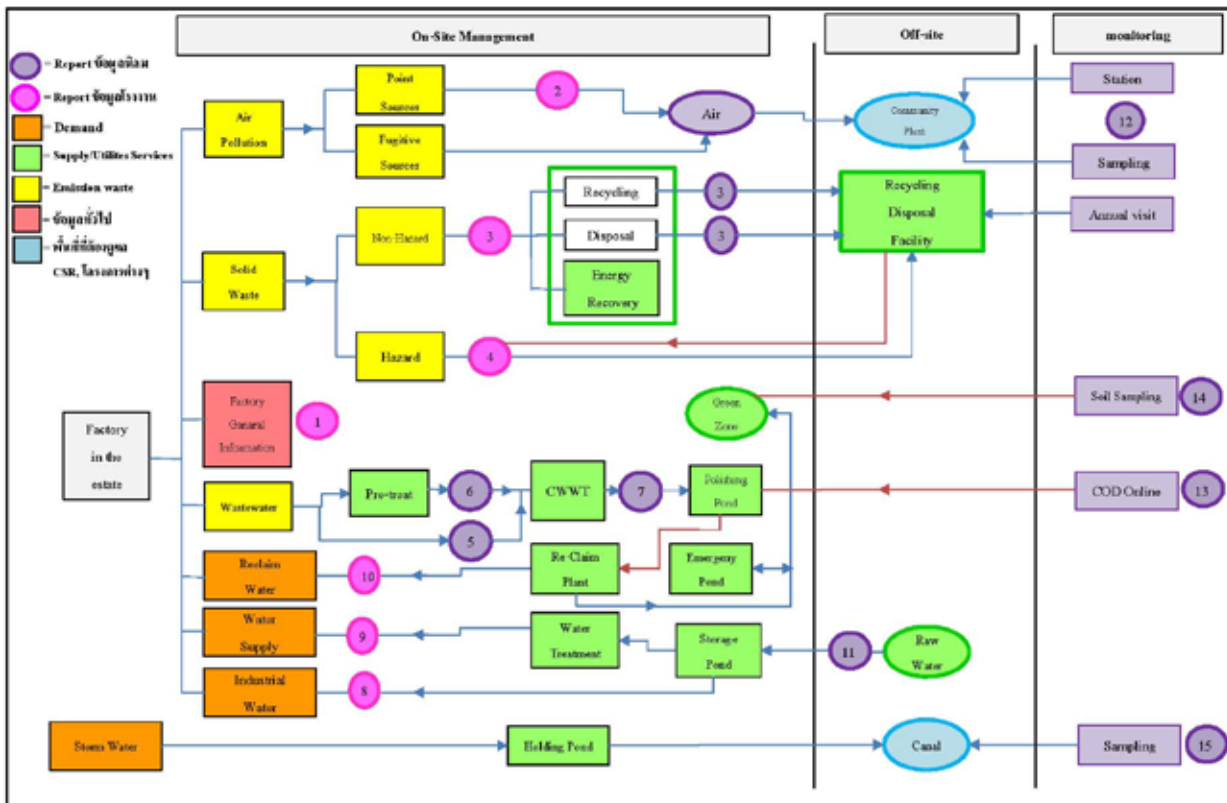
Environmental Monitoring and Control Center of Amata Industrial Estate, consists of Amata Nakorn Industrial Estate and Amata City Industrial Estate, and has started operation since 2013 and continues to the present. The structure of the center consists of

1. Central database system of the estate as the center to collect environmental data on industrial estate level and factories level such as water consumption, waste water quantity, waste quantity and air quality, etc.
2. Monitoring and controlling system of treated waste water by the estate's central waste water treatment by linking the data of waste water quality after being treated from central system to EMCC in the form of BOD Online. In the case that the quality is out of standard range as specified in the notification of the Ministry of Science, Technology and Environment No. 3 B.E. 2539 (A.D. 1996) relating to the designation of standard in controlling the drainage of waste water out of the source of industrial factories and industrial estate, the EMCC will notify the central waste water control center for analysis and find out the root cause and respond with immediate correction.
3. Monitoring and control system of atmospheric air quality by linking the air quality data of the communities around Amata Nakorn Industrial Estate from 4 ambient continuous air monitoring stations at i.e. Wat U-tapao, Wat Map Sam Kleo, Phan Thong Saphachanupatham and Wat Om Kaew, and of the communities around Amata City Industrial Estate from 2 stations at Map Yang Phon Health Promotion Hospital and Wat Phana Nikhom. Atmospheric air pollutants that are inspected are total suspended particular (TSP), dust with particular below 10 micron (PM10), sulphur dioxide (SO₂), nitrogen dioxide (NO₂), wind speed/wind direction. In the measurement of atmospheric air pollutants, if the data is taken into consideration together with wind direction and result of chimney stack air emission, air pollutant can be analyzed and its source of emission can be estimated.
4. Monitoring and controlling system of chimney stack air emission from factories is the method to monitor and control environment by linking the measuring data of chimney stack air online to the EMCC. In case level of pollutant emission is out of standard range, the EMCC will alert the factory in question to inspect and report the causes in order to immediately make correction and improvement. All power plants located in Amata Industrial Estate are required to link the data online after the complete installation of the system.

Continuous environmental inspection of the EMCC will ensure the immediate respond to environmental problem in Amata Industrial Estate. The EMCC is considered to play crucial role in solving environmental problems and to be a mechanic creating better life-quality of the community surrounding Amata Industrial Estate in the future.




ศูนย์เฝ้าระวังและควบคุมคุณภาพสิ่งแวดล้อม Environmental Monitoring & Control Center



AMATA Best Waste Management Award 2015

AMATA Best Waste Management Promotion Project is organized by Amata Facility Service Ltd in AMATA Group. The objective of the project is emphasized on having factories in Amata Nakorn Industrial Estate and Amata City Industrial Estate to manage industrial waste and garbage with higher efficiency and under regulations. The project focuses on 3R principle which consists of Reuse, Reduce, Recycle.

For 2015, the project opened for factories to register since May. The factories participated in gold and platinum level were diagnosed for documents and got internal audited for in-factory environmental management between August and October.

There are 3 levels of participation.

Silver Level: The factory have to adhere to the law and regulation as announced in the notification of Ministry of Industry-Disposition of Waste B.E. 2548

Gold Level: The factory must be operating under Silver Level with efficiently and orderly managed waste storage area. The factory must also achieve internationally recognized standard e.g. ISO 14001, Green Industry Level 3, etc.

Platinum Level: The factory must be operating under Gold Level with objective to reduce waste Landfill and reduce waste at the original point. The factory must invest in research and development in production process and management to reduce raw material loss and to reduce waste at the original point. The project specifies that waste landfill in the factory must be less than 2% of total waste and garbage; otherwise, the factory must achieve governmental awards related to waste management such as Zero Waste Award, 3Rs Award, etc.

As a result of operation in 2015, there were 65 factories participated in the project and can be divided by level as follows

- Silver Level - 30 factories
- Gold Level - 26 factories
- Platinum Level - 9 factories

TO CONDUCT BUSINESS WITH SOCIAL SUSTAINABILITY



- Job Fair Festival
- Turn Burden into Development Force
- Klong Plu Doo Dee Woods
- Gear Foundation
- Amata Sports for Friendship
- Amata Young Writer

- Blood Donation Honor the King and the Queen, Bringing Life Back to Society
- Planting Tree in Honor of the King and the Queen, Reducing Global Warming
- Amata CSR Volunteer Club
- Around the Green Fence
- Industrial Specialty Hospital in Industrial Estate

Job Fair Festival

Because of the growth of Amata Nakorn Industrial Estate Chonburi and Amata City Industrial Estate Rayong, there are more than 1,000 companies being operating and to be operating in the very near future. There is continuous requirement for a large number of local workforces in both estates .Amata Corporation Public Company Limited arranges “Job Fair Festival” annually to match candidates and operators in both estates. This also helps create employment opportunity for the people living in surrounding communities.

In 2014, Amata Corporation Public Company Limited worked with government, private, academic and local sector i.e. provincial labor office, Eastern Technology or E. Tech and companies in both estates to organize job fair. Amata invited the applicants from surrounding communities and all over the country to join the fair. Over 300 companies had vacancies with more than 20,000 jobs combined. There was also an exhibition and market of local goods and products to promote community goods and increase distribution channel so they become widely known. In order to invite the potentials to seek jobs in the industrial estate, the company has made and placed billboards about job vacancy, updated monthly, throughout the community areas such as community hall, Office of District Administration Organization, Municipal Office and community center. This helps to increase opportunity for candidates looking for near-home workplace.





Turn Burden into Development Force

AMATA, in collaboration with, Department of Corrections, Ministry of Justice, accept prisoner with good behavior who is about to get amnesty for a job of developer in Amata Industrial Estate. The job emphasizes on taking care of Amata's green area, drain dredge, channel cleaning in the estate. The objective of the project is to create jobs and income as asset for moral profession and preparation to come back to society and stay out of troubles. They come to work daytrips between Monday to Friday.

The project has been implemented continuously for 10 years under the name of "Turn Burden into Development Force" which is the concept from Mr. Vikrom Kromadit, Amata's founder and CEO to pay back the society. The developers who work in the estate have to follow the law and regulation from Department of Corrections and Amata. They work for less skill jobs with income comparable to minimal wage, no expense charged. Currently there are 200-300 developers working in Amata.



KlongPlu Doo Dee Woods

The Industrial Estate Authority of Thailand (IEAT) intends to develop and promote eco-industrial estate with equilibrium and sustainability in economic, society, community, environment and quality of life, with the principal of collaboration and cooperation between IEAT, industrial operator, community, and local agency for public benefits.

In 2015, IEAT established a project to promote ECO for Life in the form of “creative garbage brings values to community.” In Dowa Metals & Mining (Thailand) Co., Ltd, Amata City Industrial Estate, there are surpluses from production process which are woodchips underlying raw materials. Usually, the factory sells them as industrial waste at low price. Due to regular community visit, Amata City Industrial Estate knows that there are skill woodwork people in the community of M6, Klong Plu Ville, Phana Nikom, Nokom Pattana, Rayong. Amata City, therefore, set up 3 parties meeting to plan the project “creative garbage brings values to community” under the group named “Klong Plu Doo Dee”.

After that, there was experiment by taking the surplus woodchip to the Klong Plu Ville community to build furniture. At the beginning, the community builds a prototype and later team members together develop it further to become even more versatile.

From the activities, it was found that the woodchips from Dowa Metals & Mining (Thailand) Co., Ltd. can be rebuilt into furniture of good usability, with beautiful natural wood grain and color. Furthermore, even the smaller woodchips left from furniture can be built into smaller accessories such as telephone rest, iPad rest, pen box, etc. bringing about new jobs and income to the community, and causing integrative co-living.



The GEAR Foundation

In 2014, Amata Corporation Public Company Limited, together with the GEAR Foundation and the companies in the estate, proceeded to raise the education quality under the project called “Path to Stable Career, Have Job, Have Money, Have Certificate” aiming to develop specific expertise for vocational personnel. This was to prepare vocational personnel to work in industrial sector and to prevent skill-labor shortage entering ASEAN Economics Community.

The said project is set up with the objective to promote and support a new way of education for vocational students, in collaboration with the Office of Vocational Education Commission and the Office of the Private Education Commission, to improve curriculum of the vocational institutes who join the project. Under the project, the duration of field practices is extended from 1 semester (4 months) to a school year (7 months - 1 year) in order for the vocational and higher vocational students to gain hands-on experience from the real workplaces in commercial, industrial, technological and professional fields with new technology.

Besides cooperating with the academic institutes of both government and private sector, the Foundation has also joined operators and companies in Amata Nakorn Industrial Estate to accept students for internship, coached by the technicians specializing in various professional fields. The participants will get the same benefits and welfares during training as regular employees such as allowance, accommodation, transportation, accidental insurance, with average monthly income of Baht 13,000 - 16,000. In addition, the students will get an internship certificate endorsed by both the Foundation and the company. Upon their graduation with the vocational or higher vocational certificate, they will have opportunity to be immediately accepted as the employees of the internship company with future support for higher education.

After the 2 years trial period of the project, educational institutes are increasingly interested to participate in the project. There are 647 students taking the long-term internship program in 11 companies namely Group of Monde Nissin (Thailand) Company Ltd., Sony Technology (Thailand) Co., Ltd., Triumph Motocycles Co., Ltd. Asia Precision Co., Ltd., United Coil Center Co., Ltd., and Fukui Kasei (Thailand) Co., Ltd. etc. And the number continues to grow up.

Amata Corporation Public Company Limited foresees that this project is the stepping stone to improve the quality of Thailand vocational education to support the entrance into ASEAN Economics Community: AEC in 2015. In addition to good technology, expert is another crucial factor that leads the Thai entrepreneurs to success. This is because Thai entrepreneurs are currently speeding up their production process improvement in order to increase the quality of goods and products, foreseeing of strong competition in the future.

This project receives good response from various sectors and creates benefits to many parties. It helps the enterprises relieve from the labor shortage in industrial sector by providing a back-up plan on workforce development to meet with their future production expansion. And the education institutes can reduce the investment in tools, machines, and parts for their instruction and can produce manpower suitable to company requirements. The project also helps easing the unemployment problem.

Amata Sports for Friendship

Currently, social problems have been aggravating and intensifying. One way to lessen the problems is to cultivate and build forgivable mind, to reinforce good relationship and to mentally improve oneself. Sport is one of ways to help reinforcing relationship, friendship, and generosity among players, not to mention that it improves health physically and mentally. Athletes spend their free time usefully and away from drugs. Realizing the importance of exercise, Amata organizes the following health and sports projects.

Friendship Sports Project: Varieties of sport competition were held for the factories located in the estates. They sent their employees to join in order to raise participation, create good relationship and friendship among players. The project is also the means to bring love, unity and harmony, which are the virtue and ethic that melt human mind and spirit into a good way.

Amata Junior League Project: Amata organized various kinds of sports competition for the youth who are studying in primary 4-6in schools around the estates in order to promote exercise for youths, to minimize drug problems and to create good relationships between schools.

Amata Mini Marathon: Amata in collaboration with the Office of Thai Health Promotion Foundation (THPF) and the Thai Jogging Club Association has organizes “Amata Walk-Run Mini Marathon” for public and workers in Amata Industrial Estate to exercise by running.





Amata Young Writer

Mr. Vikrom Kromadit, the founder of Amata Industrial Estate and the President of Amata Foundation, believes in the importance of Thai Language Skill in children; therefore, established "Amata Young Writer Awards" to promote reading passion in children. Children are invited to write an essay under the topic of "Think far with Vikrom" telling inspiration and experience after reading "New Life 2" which is a book by Vikrom telling his experience and viewpoint from the journey of Asian Caravan for over 45,000 kilometers from Thailand to Siberia.

The young in schools around Amata Nakorn Industrial Estate Chonburi and Amata City Industrial Estate Rayong studying in higher primary (primary 4-6) and higher secondary (secondary 4-6).

In the first year, the project is expected to cultivate reading passion into children so that they love reading and understand Thai language usage. They will also adopt new ideas from reading to develop themselves for change in the future.



Blood Donation in Honor of the King and the Queen, Bringing Life Back to Society

The Blood Donation in Honor of the King and the Queen, Bringing life Back to Society is set up annually to dedicate merit to His Majesty the King and Her Majesty the Queen in the auspicious occasion of National Father Day and National Mother Day under the project name of “Lohit Nee Pheu Phor” (This Blood is for Father), and “Lohit Nee Pheu Mae” (This Blood Is for Mother). In this occasion, Amata Nakorn, in collaboration with Blood Donation Center Amata Nakorn- Thai Red Cross Society, invite all people in Amana Industrial Estate and surrounding community to join the activity of great merit to show loyalty and to cultivate donator mind, which leads to the caring and sharing society.



Planting Tree in Honor of the King and the Queen, Reducing Global Warming

Planting Tree in Honor of the King and the Queen, Reducing Global Warming project is set up to plant trees in honor of His Majesty the King and Her Majesty the Queen in the auspicious occasion of National Father Day and National Mother Day. The objective is to increase people awareness of the importance of rain forest and water source so that they conserve and restore rain forest and environment. Besides, the project also aims to cultivate community and companies the good moral to love and cherish forest and environment. The project invites community and companies in Amata Nakorn Industrial Estate and Amata City Industrial Estate to jointly plant trees in the estate area and the area connecting between the two estates.



Amata CSR Volunteer Club

Amata CSR Volunteer Club was initiated by a group of companies who were operating business in Amata City Industrial Estate and interested in taking part in the CSR activities. Amata CSR Volunteer Club was initially founded as steering committee overseeing activities in the community area around the estate as well as in remote area that needs support. The objective of the club is to improve the quality of life of the local society and community and to make contribution based on mutual dependence and sustainable coexistence with the community.

Within 6 months in 2014, Amata Volunteer Spirit Club had implemented action plans at Baan Phu Sai School, Tambon Khao Mai Kaew, Amphur Banglamung, Chonburi Province by coordinating with the school director to do a survey on needs and problems. The development activity has been carried out 3 times namely big cleaning activity to improve defective water reservoir which is out of order, the activity to improve, repair, and paint children playground, the activity to renovate toilets, the activity to install warning sign for passers-by in the school, the activity to build fence around play area, and the activity to build toys and playground from the products of club members. In the future the club plans to do the public benefit activities with other target groups in the communities around the estate and in remote areas.

At present, Amata CSR Volunteer has expanded its network and has over 100 members from various groups of people such as the employees in the estate, employees of Amata group, communities and local administrative authorities. This forms the integration and establishment of solid network to assist community, leading to social development whereby everyone grows together based on the care of each other, non-exploitation and coexistence in a sustainable manner.



Around the Green Fence

Amata's business operation does not expect only business result, which is not the real achievement. Amata also has policy to develop the industrial estate to become a perfect city with transparency and audit ability. This is the co-living with surrounding community with trust.

Amata, therefore, gives opportunity to surrounding communities to visit business operation including suggestion hearing and questioning through "Around the Green Fence" project Amata invites people of various roles in community such as local government leaders, local administration leaders, local administrative committee, community representatives, residents, volunteers, and youth from each community to visit and study Amata business operation and environmental management on yearly basis to let them understand Amata's business. The project instills to community the sense of comfort, trust and warmth of living near Amata industrial estate.



Industrial Specialty Hospital in Industrial Estate

In 2014 the company has joined Vibharam Hospital group to build Vibharam Amata Nakorn Hospital to provide fully-integrated medical services so that the Company can satisfy health care demand of the companies and communities around Amata Nakorn Industrial Estate. Vibharam Amata Nakorn Hospital was built on 9 rais land with 100 beds. The hospital is equipped with fully-integrated operating room and provides special medical services i.e. obstetrics and gynecology, surgery, internal medicine, occupational medicine, and heart. Vibharam, the first hospital in Amata Nakorn with completely integrated services, is an integral part to promote strong health.



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