

SIEMENS

Ingenuity for life



In Indonesia, For Indonesia

Business to Society Report

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In Indonesia, For Indonesia

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Siemens in Indonesia

For almost 170 years, Siemens has stood for engineering excellence, innovation, quality, reliability, and internationality. Today, Siemens is one of the world's largest producers of energy-efficient and resource-saving technology, and a leading supplier of systems for power, manufacturing, transportation, and healthcare sectors. With a total revenue of € 83 billion in 2017, Siemens operates in more than 200 countries with around 377,000 employees.

Siemens in Indonesia dates back to 1855 when the company supplied 10 telegraph machines. Our first office was established in Surabaya, East Java in 1909. Today, the company continues to be a reliable technology partner in Indonesia that offers a wide range of solutions and services with a focus on the areas of electrification, automation, and digitalization. As an international company, we have been investing in Indonesia by introducing our latest technologies into the industries we operate in, through the purchase of goods in Indonesia, and by investing in local manufacturing facilities. We currently operate with 2 manufacturing facilities and provide employment to around 1,000 people. Our footprint in Indonesia is constantly increasing. For many years, we have been the trendsetter for not only the selling of equipments but also in building up local manufacturing facilities and human resources in Indonesia.

Indonesia, being the largest economy in South East Asia, has many economic potential with its abundant natural resources and large number of workforces in its

productive ages. Indonesia also has ambitious development plans in the coming years. We at Siemens Indonesia are continuing to take part in the development of Indonesia and are driven to leave our mark on it.

At Siemens, we strongly believe that it is impossible to build a sustainable business without taking part in the lives of the community. That means businesses have a responsibility for economic and social development and that businesses must add lasting value to the countries and communities they work in. This requires us to measure corporate success by much more than profit. In concise words, we all want to see real social contributions from our corporations towards our world, our future, and our children in a measurable way. We want to feel proud about it and also want to understand where and how we can intensify our impact.

Taking this as the starting point, we wanted to measure Siemens' contribution to Indonesia's sustainable development in terms of quality and quantity. This Business to Society Indonesia report is a concrete demonstration of how the contributions that our operations in Indonesia have boosted the country in order meet its development goals and how it is impactful to the social life of the country. Over many generations, Siemens has evolved from a typical foreign supplier, to a local business partner generating local value.

What matters to Indonesia?

Major points of development

At Siemens, we believe that companies only really succeed if they fulfill the needs of the society they work in. That means businesses have a responsibility for economic and social development and that companies must add lasting value to the countries and communities they work in. We identified six areas that set the focus of our impact assessment and that measures Siemens' contribution to Indonesia.



Driving the economy

With the third highest GDP growth in 2016 among G20 nations, Indonesia aims to achieve a sustainable economic growth of 7% by 2019. In order to achieve this, Indonesia will focus on strengthening and enhancing productivity and competitiveness of its key industries; especially in the non-oil and gas manufacturing and services sector. With many urban and rural areas, every area should have equitable access to energy supply in order to achieve equal social and economic development throughout the country.



Developing local jobs and skills

Unemployment rate has been on a downward trend in the past 10 years with the most recent rate being 5.61% of the population. However, with 800,000 job openings and 1.4 million youth entering the workforce each year, only 700,000 openings are filled due to the lack of applicants that meet the requirements. The industry sector is in deep need of labor with high technical knowledge and skills. Transforming the education system to a link and match between education and industry is urgently needed in order to fulfill the industry's requirements. One of the many ways to achieve this is through vocational schools.



Sustaining the environment

Indonesia is the largest energy producer and consumer in Southeast Asia. Based on the levels of energy elasticity and intensity, Indonesia falls into the category of 'consumptive' or 'close to wasteful'. Therefore, Indonesia is determined to move to renewable energy with some priority programs and is committed to reducing 29% of emission by 2030. In order to achieve this, Indonesia needs to make investments in energy efficiency through technology and infrastructure.



Improving quality of life

Developing infrastructure is critical to national development. Transportation infrastructure is needed to connect all areas in Indonesia in order to have balanced development and build smart cities. In relation to healthcare, Indonesia aims to bring Universal Health Coverage (UHC) for all Indonesians by 2019 by ensuring that all cities have a state-owned accredited hospital. This is needed because the ratio of equipments and nurses to patients is still below average. There is also a huge demand of specialty clinics and preventive and diagnostic healthcare.



Value-adding innovations

Indonesia currently spends 0.08% of GDP on R&D projects and is determined to increase it to 1.5% of GDP. The government of Indonesia has shown a strong desire to develop digital solutions and the creative industry. Indonesia is determined to have value-adding innovations in managing natural resources in order to be self-sufficient in clean water, energy, food, and medicine.



Supporting transformation

There is an unbalanced development in Indonesia, especially in the rural regions. Therefore, it is important to strengthen these rural areas by making equitable access to economy, social services, and social protection. Corruption is still a major issue in Indonesia. Fighting it is highly important in order to achieve Indonesia's goals successfully. As for the gender issue, Indonesia still has high gender inequality between men and women in the industry. So it is also critical to increase the role of women in the industry as it is part of achieving sustainable social development.

Siemens Value Map

Our contribution to the sustainable development of Indonesia



Driving the economy



Contributing to the Acceleration of Economic Performance
The total balance asset of Siemens Indonesia in 2016 accounted for more than IDR 7.8 trillion (USD 574 million) of gross value added is linked directly and indirectly to Siemens' operations, which contributes to 0.1% of Indonesia's GDP.



Investing in Indonesia
The total balance asset of Siemens Indonesia in 2016 accounted for more than IDR 3.6 trillion (USD 265 million). This includes our world class factories and one service and repair center for rotating equipment.



Expanding Localization with Export Quality
We focus on boosting local manufacturing by committing to producing our products with local content up to more than 50% in our Pulomas Factory.



Supporting Energy Sovereignty
Siemens is part of 9 installed power plants which enables electrical access to 7 million clients in Indonesia with a total output of 12,000 MW with Siemens Indonesia having a share of 47%.



Strengthening Indonesia's industrial capacity
The state-owned enterprise PT Barata Indonesia (Persero) acquired the Siemens Power and Gas - Turbine Components Factory in Cilegon, Indonesia. This corporate action is seen as one of Government's commitments to continuously improve local content in strategic government projects and to strengthen Indonesia's industrial capacity. It will boost Barata's operations and further improve local and international market access with further Siemens' components as loading, especially in the power generation business.



Developing local jobs and skills



Generating Employment
There are around 1,000 local employees directly employed and more than 20,000 Indonesian jobs linked to Siemens' global business operations.



Contributing to the Quality of Education
Siemens facilitates internship opportunities at our Pulomas factory in the area of quality and testing, electrical assembly, and mechanical assembly. More than 14 vocational schools have partnered with Siemens over the years. In parallel Siemens is participating in the development of a Pilot Vocational School



Promoting Lifelong Learning
Annually, more than 300 of our employees participate in training initiatives that cover 8 subjects with the aim of boosting our employees' skills.



Sustaining the environment



Reducing Carbon Footprint
Siemens is globally committed to achieve a net-zero carbon footprint by 2030. In Indonesia, we have successfully cut 17% of our CO2 emission and are committed to increasing the reduction to 50% by 2020.



Delivering Green Energy
We built Indonesia's first wind farms with the output capacity of 75 MW in Sidrap and 72 MW in Tolo (both in South Sulawesi) that are enough to supply 163,000 households. Siemens is committed to supporting the Indonesian government's renewable target of 23% by 2025.



Embracing an Energy Efficient Mindset
Siemens products and solutions help save electricity in signature buildings across Indonesia, one of which is the Conrad Building in Bali, where a 12-15% reduction on electricity bill was achieved.



Enhancing Competitiveness of Key Industries
In 2016, with approximately 16 million people employed in the manufacturing sector, we are committed to reinvigorating Indonesia's manufacturing industry via providing our state-of-the-art technology and promoting digitalization.

Siemens Value Map

Our contribution to the sustainable development of Indonesia



Improving quality of life



Improving Health Access

More than 3,000 units of our healthcare technologies serve Indonesian citizens at 900 hospitals and 300 laboratories throughout the country, providing diagnosis for clinical and research services.



Safeguarding Indonesian Assets
More than 400,000 visitors annually and around 140,000 collections of historical items at the National Museum are protected by Siemens' Fire Safety Technology.



Modernizing Mobility

Siemens' safety technology systems support Indonesia's first LRT in Palembang which facilitate the 2018 Asian Games. The systems allows 80,000 passengers to commute safely each day.



Value-adding innovations



Nurturing future leaders for Industry 4.0

Siemens collaborates with top technology universities to host digitalization forums and national competitions in industrial automation for engineering students using the Siemens Digital Solutions as the key to anticipate global trends and seize the opportunities of the fourth industrial revolution.

Partnering in building the workforce of the future
Siemens granted Power System Simulator for Engineering licenses to Bandung Institute of Technology. The grant will allow students to advance in the topic of power system planning and analysis which now become a necessity for both utilities and industries due to the increasing complexity in modern power generation, transmission and distribution systems especially with the high penetration of renewable energy system.



Supporting transformation



Siemens Corporate Citizenship

As a long-term partner to the Science Film Festival organized by the Goethe-Institut Indonesien, Siemens helps to promote science learning to 400,000 children in Indonesia. Launched in 2010 in Indonesia, the Science Film Festival is a celebration of science communication by promoting science literacy and awareness of contemporary scientific, technological and environmental issues through international film and television content with accompanying educational activities.



Promoting integrity and clean business

In 2011-2014, Siemens collaborated with the Partnership for Governance Reform (Kemitraan) which launched CLEANING (Collaborative leveraging of e - procurement accountability, nexus, and integrity for the new found governance) – a program to improve transparency of public procurement in Indonesia. Indonesia is among the countries where Siemens will provide funding preference for projects in the Siemens Integrity Initiative Third Funding Round in 2019.

Siemens' contribution to the Indonesian economy



Contributing to the acceleration of economic performance IDR 7.8 trillion (USD 57 million) of gross value added is linked directly and indirectly to Siemens' operations, which contributes to 0.1% of Indonesia's GDP.

Siemens has been present and contributed to the Indonesian economy for 162 years. As an international company, we have been investing in Indonesia by introducing our latest technologies into the industries we operate in, through the purchasing of goods in Indonesia, and by investing in local manufacturing facilities. We offer a wide range of solutions and services with a focus on the areas of electrification, automation, and digitalization.

In FY 2015, Siemens' global operations contributed to IDR 7.8 trillion to Indonesia's GDP or 0.1% of the GDP in 2015. This contribution is linked directly, indirectly, and induced to Siemens spending.

For Indonesia, tax is the main source of income. In 2017, 85% of the total state income was made up of tax. Siemens also maintains its responsibility and duty in paying tax. In 2017, Siemens paid a total of IDR 244 billion (USD 18 million) in corporate tax.

Investing in Indonesia

The total balance asset of Siemens Indonesia in 2016 accounted to more than IDR 3,6 trillion (USD 265 million). This includes our two world class factories and one service and repair center for rotating equipment.

Our Pulomas factory has been in Indonesia for more than 40 years. In line with our strategy to increase local footprint and add value in Indonesia, further investment was made into establishing the Medium Voltage and Systems Regional Hub ASEAN-Pacific and a new assembly line for air-insulated switchgear SIMOSEC in 2015.

Further investment localization in Indonesia

Siemens and Trafoindo, a privately-owned transformer company based in Jakarta, have agreed to enter into a joint venture (JV) for manufacturing of power transformers. In the initial phase the new company will create as many as 200 jobs. First production is scheduled to start in 2019 with an annual capacity of approximately 200 units. The JV will be manufacturing and selling mainly medium power transformers, for public utilities, independent power producers, renewable and industrial applications. As the preferred technology partner in Indonesia, Siemens is committed to support localization and boost the strategic role of Indonesia in the global supply chain.

Our former Cilegon factory (recently taken over by PT Barata, October 2018) has been in Indonesia for more than 25 years. Siemens Indonesia has spent approximately IDR 500 billion (USD 37 million) in investment to build a production facility in Cilegon. Another IDR 50 billion (USD 3.7 million) was also invested to purchase machinery tools and add new production facilities in Cilegon.

Our service and repair center for rotating equipment at the Dresser Rand facility located in Cilegon, is a leading supplier for mission-critical and high-speed rotating equipment solutions for worldwide oil, gas, petrochemical, and process industries. This facility features the latest technology and manufacturing skills to repair and rebuild centrifugal compressors, reciprocating compressors, steam turbines, expanders, pumps, and rotary compressors.

Expanding localization with export quality

We focus on boosting local manufacturing by committing to produce our products with local contents up to more than 50% in our Pulomas Factory. We also focus on boosting engineering capabilities as our production sites are world-class competence centers that have the capability to serve both international and domestic markets.

Indonesia encourages localization to fully utilize its national capacity. One of the key strategies to improve the economic performance is through strengthening the country's exports. Siemens factories in Pulomas and Cilegon are excellent manufacturing base that can fulfill the highest quality standards and produce reliable products at a competitive price.

Our Pulomas factory has now become Siemens' regional production hub for air-insulated medium voltage systems up to 24kV and for low voltage systems serving the international and domestic markets.

Our former Cilegon factory was a world-class competence center for large-steel fabrication of components for power plants worldwide.

In 2015, Siemens AG signed an € 8 billion contract with the Egyptian government, the biggest contract in its history, to build a Steam Gas Power Plant with a total capacity of 14.4 GW which is located in Beni Suef, New Capital, and Berullus with 4.8 GW Capacity each.

For this project, Siemens Indonesia dedicated 310,000 MF hours with a total workforce of roughly 600 people (470 internal and external). We used various local made components, one of which is steel that was ordered directly and made by local suppliers. Hence, the products supplied to Egypt are original products made in Indonesia.



Siemens' contribution to the Indonesian economy



Supporting energy sovereignty

Siemens is part of 9 installed power plants which enables electrical access to 7 million clients in Indonesia with a total output of 12,000 MW with Siemens Indonesia having a share of 47%.

Siemens is partnering with PLN (State Electricity Company) in building 275 kV main substations in Padang Sidempuan and Payakumbuh to improve power reliability in the island of Sumatra. Siemens also supplied PLN Batam with its industrial gas and steam turbines with a total output of 365MW, enabling electrical access to 83,000 households.

Siemens Indonesia is helping PLN in solving stability and performance issues that PLN is facing through our Joint Grid Development Program. This program focuses on efficient planning, blackout avoidance, capacity and reliability increase, development of micro grids, and the integration of renewable energy. An in-depth system study for Java-Bali and Sumatra that is ongoing will help to identify priority projects that solve stability and performance issues.

Strengthening Indonesia's industrial capacity

The state-owned enterprise PT Barata Indonesia (Persero) acquired the Siemens Power and Gas - Turbine Components Factory in Cilegon, Indonesia. This corporate action is seen as one of Government's commitments to continuously improve local content in strategic government projects and to strengthen Indonesia's industrial capacity. It will boost Barata's operations and further improve local and international market access with further Siemens' components as loading, especially in the power generation business.

Siemens' focus in Indonesia has always been to become the preferred technology partner for the country's infrastructure development. Siemens supports Indonesia's ambitious infrastructure program by identifying the challenges and defining opportunities through various synergies with the country's State-Owned Enterprises as one important element of our partnership.

In October 2018, PT Barata Indonesia (Persero) has entered into a binding agreement to acquire the Siemens Power and Gas Turbine Components Factory in Cilegon, Indonesia. For almost 30 years, the Siemens Power and Gas – Turbine Components Factory in

Cilegon, Banten with its approximately 460 employees has been manufacturing large steel components for steam and gas turbines and auxiliaries for power plants. The factory has been exporting its products to many international power plant projects of Siemens worldwide across the five continents.

PT Barata has a major role in the Indonesia's electrification program including a coordinating role in the government's localization plans. The takeover of Siemens' assets and workforce will boost Barata's operations and further improve its local and international market access with further Siemens' components as loading, especially in the power generation business. This is in line with the spirit to strengthen Indonesia's industrial capacity

Enhancing competitiveness of manufacturing industries

In 2016, with approximately 16 million people employed in the manufacturing sector, we are committed to reinvigorating Indonesia's manufacturing industry.

In the cement industry, Siemens helped to upgrade the cement plants of major cement producers in Indonesia through its state of the art control systems. Indonesia has a high demand in construction materials. The system reduced lifecycle costs, migrates solutions and seamlessly integrate all existing plant components anticipating the Indonesian need for cement.

Siemens' Distributed Control Systems enables one of Indonesia's new ammonium plant in Bontang, East Kalimantan to produce up to 300,000 tons of ammonium nitrate per year and secures local and reliable supply of ammonium nitrate to Indonesia's mining industry.

In addition Siemens modernized the sectional drive system of a major Pulp and Paper producer. Pulp and Paper is a strategic industry for Indonesia. Through modernizing Siemens is able to enhance the sustainability of the Indonesian paper and pulp industry by improving energy efficiency.

Siemens' contribution in developing jobs and skills



Generating employment

There are around 1,000 local employees directly employed and more than 20,000 jobs linked to Siemens' global business operations.

For each Siemens Indonesia employee, there are 14 jobs enabled through Siemens' procurement and private spending of paid wages.

Based on Siemens' share of intermediate products purchased by its direct customer industries in Indonesia, roughly 3,000 jobs at customer industries can be attributed to Siemens' operations in Indonesia. Furthermore, 5,000 jobs can be attributed to multiplier effects based on private spending of wages to the employees of Siemens' customers.

Contributing to quality of education

Siemens facilitates internship opportunities at our Pulomas factory in the area of quality and testing, electrical assembly, and mechanical assembly. More than 14 vocational schools have partnered with Siemens over the years. In parallel Siemens is participating in the development of a Pilot Vocational School.

Good education and training are of the essence for Siemens. This enables our factories to export to Asia, Europe and the rest of the world – demonstrating that Indonesia can play a strategic role in the global supply chain.

Our factory provide dedicated internship programs in various technical areas such as quality and testing, electrical assembly, and mechanical assembly. More than 14 vocational schools have partnered with Siemens over the years. The students are taught by a dedicated and expert Siemens staff.

In parallel, Siemens together with EKONID, PT Barata and other German companies have developed a prototype school according to German standard.



Indonesian President Joko Widodo visits the Siemens Professional Education facility in Berlin

The selected students are bound by a training contract with the companies, in which the students are obliged to undergo 2.5

years of industrial mechanic training program according to German standard. The training consists of 60% practical training, mainly in the premises of the industry, and 40% theoretical training, mainly in the school premises (SMK Negeri 26).

We are committed to develop a future driven technical vocational education and training concept as well as industry driven training in Indonesia to make local workforce industry ready. Focused areas are Electrification, Automation, and Digitalization where we see more demand for experts in future. The goal is to reduce existing skill gap and increase employability to support sustainable economic development, especially in the key industrial fields of Food & Beverage, Oil & Gas and Electronics.

Siemens and CNC Desain Nusantara, in cooperation with PPPPTK- VEDC Malang, DitPSMK, and Asimpi, held Train the Trainer Sinumerik training at VEDC Malang in August 2017. This training involved teachers from polytechnic and vocational schools nation wide. Other initiatives of the Train the Trainer Sinumerik Controller have been in operation in several educational institutions, such as POLMAN Astra Jakarta, SMKN 26, POLMAN Bandung, and ATMI Solo.

Partnered with CNC Disain Nusantara, Siemens installed Sinumerik controllers and other peripheral devices in several leading educational institutions in Indonesia. We installed the Sinumerik 828, the Sinumerik 808, and the Sinutrain Sinumerik Operate Software through PC (Siemens' simulation tool for controller) at institutions such as BP Dikjur Semarang, SMKN 26, and Bandung Polytechnic for Manufacturing. We also provided training sessions for teachers and students.

Since 2016, Siemens has implemented an educational approach in Indonesia called the Siemens Automation Cooperates with Education (SCE). This program allows universities, schools, non-profit organizations, in-house vocational training departments, and non profit research companies to have access to Siemens' product packages for educational purposes at a much lower price than industrial customers. The packages contain a combination of specific software and hardware that are perfectly matched to their requirements and can be conveniently used in courses. The packages also provide internet access to download original syllabus, ready-to-print exercises, and guides for each package.



Train the Trainer Sinumerik training at VEDC Malang in August 2017

Siemens' contribution in developing jobs and skills



The Siemens Mechatronic System Certification Program (SMSCP) is a program that allows eligible persons from selected institutions to be sent to Germany to be trained on-site with a fully operational mechatronic training system until they are certified (assistant, associate, or professional). Siemens plans on implementing this program in Indonesia with institutions with strong mechatronic backgrounds.

Siemens is currently exploring the possibilities to build the first Digitalization laboratory in one of the universities in Indonesia. In parallel Siemens is also evaluating the possibilities to implement further vocational education partnership with Indonesian Polytechnics in the area of Electrification and Automation related curriculums.

Promoting lifelong learning

Annually, around 350 of our employees participated in training initiatives that cover 8 subjects with the aim of boosting our employees' skills.

Siemens places emphasis and value on developing local skills and talent through continuous training for all of our employees. Siemens also develops employees with highly skilled expertise through exposure to international training opportunities. Our employees have access to ongoing training and development programs throughout their careers.

In recent years, around 350 Siemens Indonesia employees participated in training initiatives held by Siemens Indonesia that cover 8 subjects. These subjects are leadership, English, presentation skills, sales training, project management, engineering, welding, and compliance.

their training based on their needs.

Siemens Healthineers contributes to industry peer-to-peer knowledge sharing through regular hands-on/clinical workshops with healthcare professionals in Indonesia. In a recent partnership with Cipto Mangunkusumo Hospital (RSCM), Siemens Healthineers conducted a hands-on MRI workshop for MRI system operational procedure for head, neck, spine and abdomen scanning. With very positive responses and participation, Siemens Healthineers and RSCM continue to discuss how such workshop can be repeated in other fields/modalities, such as Computed Tomography (CT) scanning. Educational event for the general public (e.g. Breast Cancer prevention/awareness) has also taken place, in partnership with RSCM.

In the field of Ultrasound, Siemens Healthineers and its partners invited an Indonesian expert from Yale University for a hands-on workshop for echocardiography scanning in Harapan Kita Heart Center. A mix of local and regional doctors who specializes in echocardiography took part in this workshop and live-demo.

An expanding footprint in the local healthcare industry has also resulted in the need of a competent team who knows the market to serve the market; Siemens Healthineers currently invests in close to 90 local employees (98% of its total employees) to run its operations across all functions in Indonesia, from business development managers to field service engineers. The investment in knowledge transfer and people development is expected to grow as Siemens Healthineers continues to reach out to the Indonesian market, in partnership with local distributors & enterprises.



Sinumerik controller



Training center for Sinumerik controller

Siemens is working with CNC Disain Nusantara to set up a new training center for Sinumerik controller. This new training center will be used for dealers, end users, and teachers from education centers in order for them to be able to complete

Siemens' contribution in sustaining the environment



Reducing carbon footprints

17% of our CO₂ emission was cut in 2016 and we are committed to increasing the reduction to 50% by 2020.

Siemens aims to be the world's first major industrial company to achieve a net-zero carbon footprint by 2030. We plan to cut our carbon dioxide (CO₂) emissions—which currently totals around 2.2 million metric tons a year—in half by 2020.

In order to cut our emissions in half by 2020, we plan to drive energy efficiency programs, leverage distributed energy systems, reduce fleet emissions, and purchase renewable energy across our facilities in Pulomas factory and Arkadia office.

Siemens Indonesia contributes to the goal by committing to reduce our CO₂ footprint to at least 50% by 2020. In 2016, Siemens Indonesia successfully reduced 1,100 tons of CO₂; already with the baseline of 6,600 tons in 2015.

Delivering green energy

We built Indonesia's first wind farms with the output capacity of 75 MW in Sidrap and 72 MW in Tolo (both in South Sulawesi) that are enough to supply 163,000 households. Siemens is committed to supporting the Indonesian government's renewable target of 23% by 2025.

Siemens Gamesa Renewable Energy supplies 30 wind turbines for the first wind power plant in Indonesia located in Sidrap, Sulawesi with an output capacity of 75 MW. This also marks the first time this wind turbine model is installed in the Asia-Pacific region.

In addition, Siemens also supplies 20 gearless wind turbines for an onshore wind project in Tolo, South Sulawesi with an output of 72 MW capacities.

Under our Joint Grid Development Program with PT PLN, the development of a Micro Grid Project could be utilized. This project configures different sources of energy into a hybrid system, including photovoltaic plants, automated gensets, smart control, and state of the art e-storage. With our hybrid system, there will be renewable energy penetration up to 30%. Siemens is ready to initiate Micro Grid Projects and selected potential islands in the Eastern part of Indonesia as pilots. The feasibility studies for these projects have been completed.

Embracing an energy efficient mindset

Siemens' products and solutions help save electricity in signature buildings across Indonesia, one of which is the Conrad Building in Bali, proven by the 12-15% reduction in their electricity bill.

Over the years, the Siemens Building Automation System (BAS) or Building Management System technology helped 42 prime buildings in Indonesia in saving their electricity bill by 12 to 15% a month. A few of those buildings are the Conrad Building Bali, Pertamina Gambir Jakarta, Pacific Place Jakarta, and The Ritz-Carlton Jakarta.

In the case of the Conrad Building in Bali, our BAS technology was able to reduce the building's electricity bill from IDR 970 million (USD 68 thousand) per month to IDR 824 million (USD 58 thousand) per month. The reduction in electricity bills indicates lower and more efficient energy use at the Conrad Building Bali.

Siemens' contribution in improving quality of life



Improving access to healthcare

More than 3,000 units of our healthcare technologies serve Indonesian citizens at 900 hospitals and 300 laboratories throughout the country, providing diagnosis for clinical and research services.

Since 1971, we have supplied more than 3,000 units of our state-of-the-art healthcare products to 900 hospitals and 300 laboratories throughout Indonesia. We also have allocated more than IDR 14.8 trillion (USD 1.04 billion) for research and development (R&D) in the medical sector globally in 2015.

The Siemens Remote Service (SRS) is a comprehensive and efficient infrastructure for the complete spectrum of remote support for medical equipment. Many services, updates, and even immediate repairs that previously required on-site visits are now performed remotely; enabling planned downtimes, reduction in downtimes, and early detection of potential system malfunction. This system has been installed in more than 100 hospitals in Indonesia such as Siloam Hospital, Dr. Cipto Mangunkusumo Hospital, and Gatot Subroto Army Hospital.

Cardiovascular diseases are the main cause of death in Indonesia, causing up to 26.4% of all deaths. Early detection can save lives. Siemens Indonesia helped address this issue by supplying the Artis Zee Biplane to Harapan Kita National Cardiovascular Center in Jakarta.

0.14% of Indonesians suffer from cancer. We supplied the Siemens positron emission tomography/computed tomography (PET/CT) system in Indonesia to equip Dharmas Cancer Hospital in Jakarta. Dharmas Cancer Hospital, the national cancer treatment center, treats up to 40% of all cancer patients in Indonesia. The Siemens PET/CT scanners offer the latest imaging technology and advanced functionality to help clinicians find and characterize diseases, as well as follow patient progress during and after treatment to ensure therapeutic efficacy. Siemens' PET/CT scanners combine the power of hybrid imaging in one exam to enable physicians to more accurately detect and pinpoint diseases.

Safeguarding Indonesian assets

More than 400,000 visitors annually and around 140,000 collections of historical items at the National Museum are protected by the Siemens Fire Safety Technology.

The National Museum in Jakarta has been protected by the Siemens Fire Safety Technology since 2017. Thanks to Siemens' technology, over 400,000 visitors that visits annually and more than 140,000 historical collections are safe from the threat of fire.

The technology also serves Perum Peruri, the Indonesian Government Security Printing and Minting Corporation. Siemens became the partner in protecting Indonesia's banknotes by providing a full spectrum of Fire Detector and Danger Management System.

Modernizing mobility

Siemens' safety technology systems support Indonesia's first LRT in Palembang which facilitates the 2018 Asian Games. The systems allow 80,000 passengers to commute safely each day.

Siemens Indonesia supports Indonesia as the host of the 2018 Asian Games in Palembang, where there will be 15,000 athletes from 45 Asian countries competing in Indonesia, by providing the latest safety system technology for the LRT in Palembang. The LRT will consist of 13 stations in 21.5 kilometers that connect Sultan Mahmud Badarudin II International Airport and Jakabaring Stadium Complex. During this period, approximately 80,000 passengers will make use of the LRT each day.

Siemens Indonesia also supports the signaling technologies for the Indonesian railway. We supplied signaling components to PT LEN Industri for Java Northern Rail Line project in order to prevent accidents along the rail line. Over 4,500 passengers travel using Java Northern Rail Line every day.

Siemens Indonesia supplied two new power substations to Satker Jabotabek for the Cibinong Lintas Citayam-Nambo line and the Nambo Lintas Citayam- Nambo line in West Java enabling more than 500,000 passengers to commute each day. This line reduces up to 60% of commuting time for passengers.

Siemens' contribution in triggering value-adding innovations



Nurturing future leaders for Industry 4.0

To support and nurture the competitiveness of Indonesia's national industry, Siemens collaborates with top technology universities to host digitalization forums and national competitions in industrial automation for engineering students using the Siemens Digital Solutions as the key to anticipate global trends and seize the opportunities of the fourth industrial revolution.

Competitions in the field of Robotics have always been popular among students. However, Siemens in collaboration with top Indonesian campuses is taking this to the next level in a bid to support and nurture the competitiveness of national industry.

The Mechatronic Technology Center with Mechatronic and Industrial Automation-Research Center (MIA-RC) as a center of excellence of Institut Teknologi Sepuluh Nopember (ITS) Surabaya supported by PT Siemens Indonesia hosted the Siemens SciTech Competition 2017 from October 9-11, 2017.

The Siemens SciTech Competition is an exclusive national competition held every two years. The first event in 2015 managed to attract participants of up to 99 teams from 22 universities and 8 senior and technical schools across Indonesia. In 2017 the competition is also part of the Industrial Mechatronic and Automation Expo (IMAE 2017); serving as a forum for students from senior high school and universities to explore their skills on industrial automation.

The competition has evolved into a benchmark for all students, who wish to advance their knowledge or pursue careers in industrial automation.

In parallel to this competition, the second series of Siemens Indonesia's University Roadshow "Siemens Digitalization Day 2017" took place on October 10th 2017 at Institute of Technology Sepuluh Nopember (ITS) Surabaya. This one-day plenary event was attended by more than 500 students from various universities and technical schools in Indonesia.

This program shares latest development on digital transformation in Energy, Mobility, and Process Industries. "Through this competition, more young talents will be attracted, they will play crucial role in advancing Indonesian industries to enter the era of Industry 4.0.

Partnering in building the workforce of the future

Siemens granted Power System Simulator for Engineering licenses to Bandung Institute of Technology. The grant will allow students to advance in the topic of power system planning and analysis which now become a necessity for both utilities and industries due to the increasing complexity in modern power generation, transmission and distribution systems especially with the high penetration of renewable energy system.

The grant include Siemens Power System Simulator for Engineering (PSS®E) and PSS®SINCAL software which aims to better prepare graduates in the complex and competitive market of power systems.

The grant will allow ITB students to advance in the topic of power system planning and analysis. These topics have now become a necessity for both utilities and industries as there is an increasing complexity in the modern power generations, transmission and distribution systems especially due to the high penetration of renewable energy system.

PSS®E and PSS®SINCAL can provide students with the fundamentals experience in using the standard tools used at the power system planning at both utilities and industries. Real cases can be introduced to the students and the assessment can be simulated using these tools, therefore these tools will also be suitable not only for laboratory but also for bachelor thesis, master thesis and even dissertations.

Siemens' contribution in supporting transformations



Siemens Corporate Citizenship

As a long-term partner to the Science Film Festival organized by the Goethe-Institut Indonesien, Siemens helps to promote science learning to 400,000 children in Indonesia. Launched in 2010 in Indonesia, the Science Film Festival is a celebration of science communication by promoting science literacy and awareness of contemporary scientific, technological and environmental issues through international film and television content with accompanying educational activities.

Strategic partners for the Festival were among others the Embassy of the Federal Republic of Germany Jakarta and the Ministry of Education and Culture of Indonesia. A selection of 12 films from 5 countries was screened from October 24 to November 23 in 37 cities: Aceh, Ambon, Bandung, Banjar, Banyuwangi, Batam, Belitung Timur, Biak, Bogor, Ciamis, Cikarang, Demak, Jakarta, Jambi, Kupang, Makassar, Malaka, Malang, Manado, Manggarai Barat, Maumere, Medan, Pangandaran, Salatiga, Sidoarjo, Soe, Solo, Sorong, Sumedang, Surabaya, Tangerang, Tapanuli Tengah, Toba Samosir, Tomohon, Waibakul, Waingapu and Yogyakarta. In total the festival reached 82,849 visitors in 2017 - a record for Indonesia!

Promoting integrity and clean business

In 2011-2014, Siemens collaborated with the Partnership for Governance Reform (Kemitraan) which launched CLEANING (Collaborative leveraging of e - procurement accountability, nexus, and integrity for the new found governance) – a program to improve transparency of public procurement in Indonesia. Siemens supports and become a partner of choice in promoting integrity and clean business together with local partners in Indonesia, e.g. Indonesia's Corruption Eradication Commission (KPK) and the Transparency International Indonesia (TII). Indonesia is among the countries where Siemens will provide funding preference for projects in the Siemens Integrity Initiative Third Funding Round in 2019.

The Partnership for Governance Reform ('the Partnership') is a multi stakeholder organization working with government agencies and civil society organizations (CSOs) to advance reform at both national and local levels. The Partnership builds crucial links between all levels of government and civil society to sustainably promote good governance in Indonesia. The Partnership has implemented 359 projects since 2000 with a total budget of approximately IDR 1 trillion (USD 80 million). The main objective of this project is to improve transparency of public procurement in Indonesia through the building of a public-private-civil society organization alliance and meeting internationally accepted anti-corruption standards.

The Siemens Integrity Initiatives invested IDR 20 billion (USD1.5 million) to a project that lasted for 3 years. Over the entire project duration, 15 reputable national civil society organizations, 1,700 members of the 'Association of Indonesia Entrepreneurs', 250 local government staff from e-procurement agencies and local procurement units, 150 local Inspectorates, and 35 media journalists were engaged as surveyors. Siemens will provide funding preference for projects in the Siemens Integrity Initiative Third Funding Round in 2019.

Other integrity initiatives

Siemens Indonesia is working with Indonesia Business Links (IBL) to provide accurate information about corruption, bribes, and gratuities to the employer as well as how to conduct business. We conducted various one-day workshops about business ethics for business partners, suppliers, customers, and competitors.

Moreover, Siemens Indonesia is also partnering with KUPAS organization (Indonesia's anti-bribery business community) and the Committee to Address Facilitation Payment (CAFP) to eradicate corruption in Indonesia.