



PT ASINDO TECH

FAST • QUALITY • RELIABLE



ADVANCED
TECHNOLOGY
INNOVATION
FOR GROWTH

COMPANY PROFILE





ESTABLISHED IN 2010, PT Asindo Tech is Indonesia's leading engineering, procurement and construction (EPC) company specializing in agro-industry.

Our integrated services span the project lifecycle from feasibility studies, consulting services, provision of technologies, design engineering, procurement and construction and after sales technical support. We offer high quality, completion and safe projects.

Until today, we are at the forefront of providing EPC service for Starch processing technology (Tapioca & Sago), thanks to our world-class expertise in starch processing industry. We continue to innovate, make improvements, conduct researches and find breakthroughs on processing technology.

Apart from tapioca, we also have expertise and execution capability in EPC service for palm oil, sago and sugar. Our sago-processing technology is currently number one in the world.

We run our industrial processes in an environmentally friendly manner by using clean and green technologies that provide more value and tackling resultant environmental problems, such as waste and odor and thus creating solutions that are both environmentally and socially beneficial.

Asindo Renewable Energy (ARE)

We continue to make innovations in advanced technology in agro-

industry, which gives us more business opportunities. We have an enhanced expertise in treating waste water from agro-industry. Our entry into waste to energy conversion business has conservation effects; it provides an alternative energy source which is clean and unpolluted in nature.

In 2013, we established Asindo Renewable Energy, with the construction of waste to energy (biogas) plants as our proven success.

*Start by doing
what's necessary;
then do what's
possible; and
suddenly you are
doing the impossible.*

FRANCIS OF ASSISI

Thanks to our enhanced expertise in energy conversion, Asindo Tech has developed experience and execution capability in renewable energy projects in the area of agro-industry.

With our accumulated knowledge about waste to energy (biogas) and EPC service for a agro-industry, as well as technologies that we have created and those from our partners, we are in advantageous position to expand our business in Indonesia's growing biogas needs.

The exceptional performance of our partners is an evidence of our commitment to excellence in both quality and service. Our highly professional and experienced team provides technical support, ensuring the systems run smoothly and effectively.

Our technical team is responsible for all project stages from plant set up to continuous support and professional service, to ensure smooth operation of the plant and proper performance.



VISION & MISSION

VISION

To become the most reliable, reputable and preferred EPC Company for Agro-industry

MISSION

Providing One-Stop Solution for Starch Industry and Renewable Energy
Continuing to Enhance Efficiency in Agro-industry (Palm Oil, Sago, Sugar, etc)

To succeed, you need to find something to hold on to, something to motivate you, something to inspire you.

TONY DORSETT

VALUES

- **Customer-oriented**
Putting customer first is essential for growing our business
- **People as an asset**
We set up collaborative culture through strong relationships, communication, and cooperation through all levels of our company.
- **Winning Spirit**
Winning spirit creates focus and drives us forward
- **Teamwork**
Teamwork increases the efficiency on project, which promotes a higher-quality output
- **Innovation**
Innovation creates new opportunities that drive our growth



HISTORICAL MILESTONES

Transformation from Nothing to be Something
Advanced Technology Innovation for Agro-industry Growth

2010

- Established, with startups capital.
- First small order, with six employees.
- Rented a place of land in Branti area, where employees work under the shade of oak trees and a container was used as an office and a warehouse.
- Three small projects, with 20 employees.

2011

- Laid a corner stone for the construction of a workshop (Phase 1), with 40 employees.
- Construction of the workshop (Phase 2).
- Started to occupy Asindo Office.

2012

- Between 100 and 120 employees
- Complete machines/ equipment are on hand, with skilled workers ready for work.
- Breakthrough innovations, with the reconstruction of old plants and upgrading them with new technologies. Since then, Asindo Tech receives many orders for its EPC service.
- Developed first sago plant project for Sampoerna Agro.

2017

- ♦ EPC Contractor for Palm Oil Project (30 TPH, etc)
- ♦ Start Expansion Business to South East Asia (Philippine)

2013

- Took an active part in innovating and developing Agro-industrial products processing technologies.
- Started to make a business plan, especially in regard to the world-class technology for the tapioca starch industry.
- Established a collaboration with global technology players;
- Played the role in SCORE Program (Sustaining Competitive and Responsible Enterprises) run by International Labor Organization;

2014

- ARE (Asindo Renewable Energy) was active in developing waste technology; biogas that produces electricity (Covered Lagoon Biogas to Electricity 2 MW in Central of Lampung, Lampung Province)

2015

- EPC contractor for sago plant project.
- Become the world's first largest and most modern sago plant.
- Developed two largest and most modern sago plants in Sorong, Papua for ANJ and state-owned forestry company, PT PERHUTANI.
- Developed a new food and pharmaceutical grade tapioca starch plant for sugar mill, PG Gorontalo in Kendari, Sulawesi. The projects include the construction of biogas power plant (producing electricity).
- POME (palm oil mill effluent), Develop POME biogas system – combustion for boiler burner for PT SMART Tbk (Sinar Mas) in Central Kalimantan.

SCOPE OF BUSINESS

- Feasibility Study in Agro-industry
- Turnkey Solution for Starch Plant
- Waste to Energy

Let us be grateful to people who make us happy, they are the charming gardeners who make our souls blossom.

MARCEL PROUST

SERVICES

Asindo Tech is an integrated EPC solutions provider, offering customized solutions to the starch processing projects, agro-industry and renewable energy.

Our professional team provides value-added services catering to customer's needs.

- Engineering & Turnkey Project
- Consultant & Services
- Equipment Supply & Services
- Technology & Equipment Reconstruction of Old Plant



Technology is just a tool. In terms of getting the kids working together and motivating them, the teacher is the most important.

BILL GATES

HUMAN CAPITAL

A combination of young technicians, experienced engineers and experts from global technology players ensures fast, reliability and excellence in services.

Young and Highly-Motivated Workers/Technicians

Asindo Tech establishes collaboration with BLK Lampung (Lampung's vocational training center) to seek young, skilled and highly motivated workers or technicians.

We provide the prospective workers, most of whom are senior high graduates, with on-the-job training under the company's internship initiative to equip them with the required skill and common working ethics.

To date, about 150 young workers with mechanical and electrical skill work at Asindo Tech on a permanent basis and they constantly receive trainings to continuously enhance their skill.

Experienced and Professional Engineers

We engage experienced engineers with their domain of expertise in every project. They do not only have adequate know how about their respective domain of expertise but also a strong professional network. Their job includes assisting young workers to perform their task and boosting their skill and thus ensuring the best EPC project results, which frequently exceed customer satisfaction.

Asindo Tech requires engineers to have multi-skills, not limited to their respective domain of expertise, to ensure optimum output.

We collaborate with several overseas key principles of agro-industrial products-related technology, such as biogas with UK-based Organics, to ensure the adoption of high quality standard, which gives an added-value to the outputs.

Asindo Tech constantly gives trainings to enhance their skill.



INNOVATION TEAM



One machine can do the work of fifty ordinary men. No machine can do the work of one extraordinary man.

ELBERT HUBBARD

CONSTANT INNOVATION is crucial to boost Asindo Tech's competitiveness amid the increasingly competitive global market. Continuous innovation aims to answer the tough challenges arising from the ever-rising demand for better quality technologies for agro-industry that are more efficient, less energy consumption and easy to operate and maintain.

Aware of this, we set up an Innovation Team in 2012, with primary tasks to first, constantly identify new products, applications and what the market need and second, create prototypes followed by researches, evaluation, test and research until they are scientifically proven and third, develop new products and cutting-edge technologies.

We believe that Innovation is not a mere process, but a mindset and requires an innovative culture to thrive.

STRATEGIC PARTNERS

To provide excellence in service, we establish strategic partnership with a number of global key technological service companies for both mechanical and electrical system and machines/equipment (from Germany, the Netherlands, Korea, Japan and the UK) that complement our expertise. Our strategic partners include the following:

STAMEX

Stamex Technology CO., LTD. is a Dutch owned company, with Dutch management, based in Thailand. It offers European quality products and services at locally affordable prices



SCHERRER
Industrieheizanlagen

Industrieheizanlagen D-76863 Hünfelden (Germany) Combination Burner Systems using Bio Gas and Fuel Oil according to German DIN and European EN regulations



KVT **KFT**

Krettsak, famous Centrifuges Manufacturing Company for filtration and dewatering from Germany



UK company delivering equipment for waste management systems around the world



L&M (LOTZER & MÖHLENBRUCH)
Spare parts for centrifugal pumps

Great savings potential for spare parts which meet at least OEM specifications on quality and material
WE MAKE YOUR MANUFACTURING PROCESS MORE COMPETITIVE

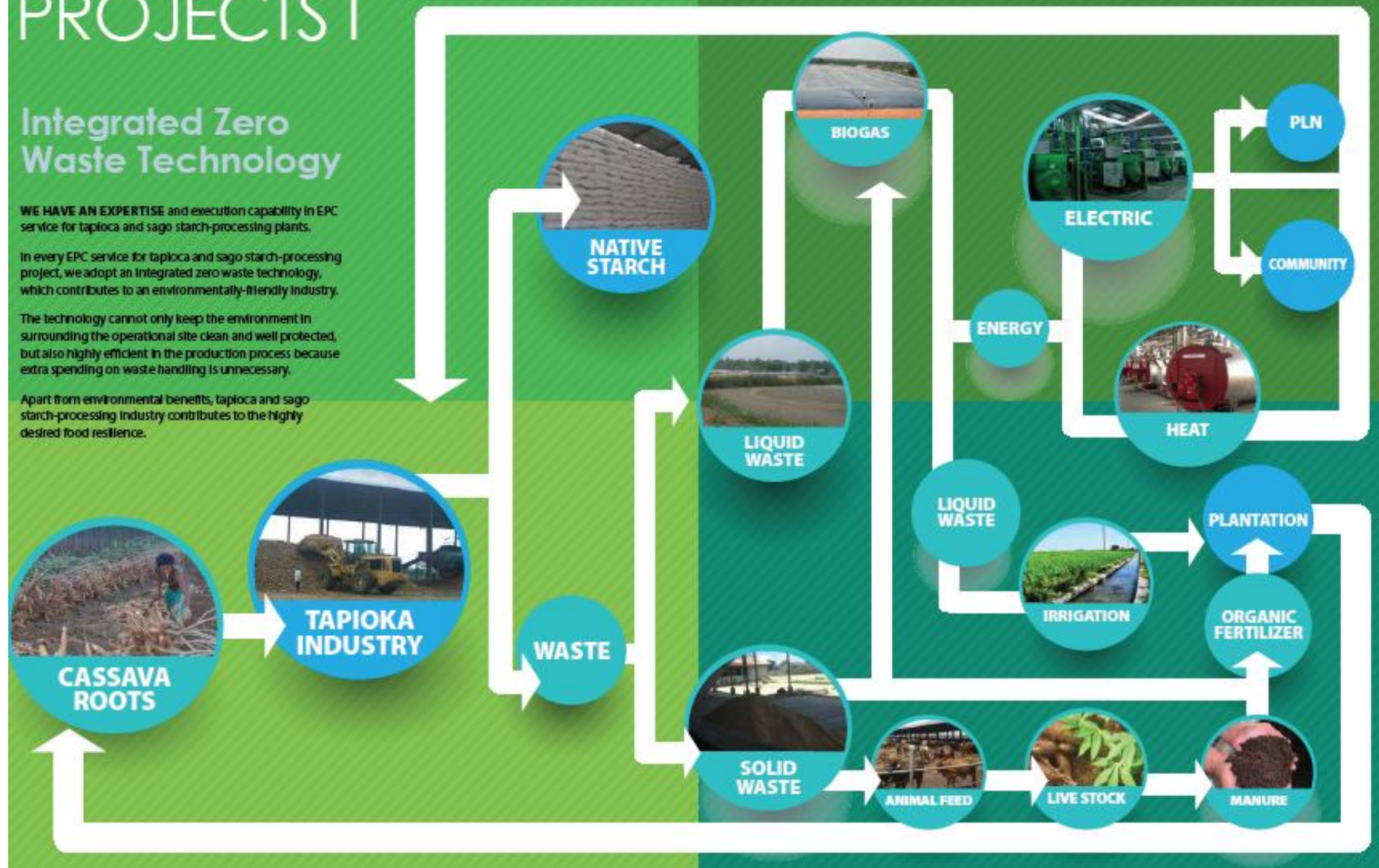


AN UGERAH TAMORA INDUSTRI

Is a well known for a System, Technologies and Installation in Palm Oil Mill Business. For a production system, client can be choose to use a Vertical or Horizontal and also for Hydraulics system can be choose which one technology want to use. ATI is familiar with this Equipment, such as : Tejeri, Eaton, Flotweg, Tecuma Boiler, Kew Pump, etc

**Integrated Zero
Waste Technology**

Apart from environmental benefits, tapioca and sago starch-processing industry contributes to the highly desired food resilience.



PROJECTS II

Asindo Renewable Energy (ARE)



ASINDO RENEWABLE ENERGY (ARE) was established in 2013 to focus on developing biogas technology that converts waste coming from agro-industry processing plants, such as tapioca, palm oil and sago mills, into energy that can be used as electric power and a boiler.

To ensure high quality standard, Asindo Tech collaborates with UK-based Organics that has years of experience in handling waste to energy.

Turning cost into profit

Biogas facility, built as part of tapioca starch processing plant, has proven successful.

In collaboration with UK-based Organics, Asindo Tech built a biogas plant for tapioca starch processing plant owned by PT Tadco Agri Makmur.

The first phase of waste treatment was converting it into electric power, with

potential capacity of 3 MW. It was built in 2013 and completed in 2014. Currently, it produces 2 MW of electric power, consumed by the tapioca starch processing plant, saving 80 percent of electric power or around Rp 8 billion per year.

The second phase of the waste treatment will convert the waste into heat to be used as dryer.

Biogas Plant in Kendari, Sulawesi

In Kendari, Southeast Sulawesi, Asindo Tech is developing a new food and pharmaceutical grade tapioca starch plant for sugar mill, PG Gorontalo owned by PT Cipta Agung Manis. The projects include the construction of biogas power plant (producing electricity). The biogas plant has potential capacity of 5 MW.

The plant will consume electric power of 3 MW resulting from the waste conversion

and the remaining 2 MW will be used as a heat to meet the drying need. The Plant is constructed since 2015 and completed in 2016.

POME Biogas System in Sampit, Kalimantan in Progress

Asindo Tech is currently also developing biogas facility for palm oil mill effluent (POME) plant or POME biogas system – combustion for boiler burner for PT SMART Tbk (Sinar Mas Group) in Sampit, Central Kalimantan.

The biogas plant has the capacity of 2 MW, which can be used as electric power and boiler. The Plant is constructed in 2015 and finished in 2016.



PROJECTS III

Mixed Projects

ASINDO TECH PROVIDES EPC service for agro-industry mixed projects that include palm oil, storage and building.

Apart from developing a palm oil plant, ethanol factory and sugar mill, we also have an expertise and execution capability in building a storage tank and in many other agro-industry projects, including manufacturing agro-industry machines, i.e. bulk tanks for CPO and fertilizer mixing tanks.



MAP OF PROJECTS



PT. Menthoi Makmur Lestari
Lamandau Kalimantan Tengah

PT. Runding Putra Persada
Aceh

PT. Citra Bumi Agro
PT. Guna Agung Semesta
Riau



PT. Sukajadi Sawit Mekar
Sebabi Kalimantan Tengah

Together with Expert
Team we developed
Several Palm Oil Project's
in Indonesia

PORTFOLIO

TERIMA KASIH