INNOVATION TECHNOLOGY CO.,LTD **COMPANY PROFILE**

COMPANY OVERVIEW

Innovation Technology Co., Ltd. was found by a group of well-experienced engineers, executives and academicians, where the main concept of the business was aimed to be conducted in the building engineering services for both commercial and industrial facilities.

For decades, Innovation Technology has been serving to help organizations in achieving energy conservation within workplace through special expertise in energy and engineering management to minimize loss and operation costs, as to increase productivity for the organization.

Ownership Founder CEO Location

E-Mail Website Privately hold Mr. Bandit Ngamwatthanasilp Mr. Chaisit Kupwiwat 51/29-31 Ngamwongwan Rd., Latyao, Chatuchak, Bangkok, 10900 Thailand contact@inno.co.th www.inno.co.th

Process:

Innovation Technology draws upon the special expertise, human understanding and energy awareness to develop a tailor-made innovative solution for each client to help improve the workplace and work process. Innovation employs unique collaboration with clients by adapting the 3Ps + T (People, Place, Process + Technology) measurement. Through every steps of engagement, they work together to ensure the innovative and impactful solution that delivers the best result.

Work:

Many of Thailand's well respected organizations rely on Innovation as their innovative energy management service provider with hundreds of successful stories in both public and private sectors.

People:

Inno team is made up of multiple disciplinary teamwork and diverse experiences including electrical and mechanical engineers, and specialists in energy and facility management, renewable energy and productivity and quality improvement.

Areas of focus:

Building Service Engineering
ESG Advisory
Renewable Energy Service
Productivity and Quality Improvement
Digital Innovation
Smart System Solution
Architecture and Facility Management

1994 - 2005

Specialists recognized opportunities in energy management to make better use of existing buildings and equipments by raising energy awareness and founded Vibhavadi Consultants.

Within O&M services, our team introduced the Energy Management Solution to save up to 20% on their energy bills without the need to invest.

In 2005, Vibhavadi Consultant changed its name to Innovation Technology.

INNO launched Energy management solution focused on optimization of existing resources through operational control, strategic advisory and initiative enhancement.











2008 - 2010

With our innovative energy management solutions, Hat-Yai Hospital was announced the winner of ASEAN Energy Award 2008 and Thailand Energy Award 2008 in the best practice in large controlled building category.

INNO organized training and workshops for staff in all levels of 120 government hospitals to create the awareness of energy conservation, and environmental protection.









ENERGY CRISIS IN THAILAND

Energy crisis in Thailand power blackout in some areas of Thailand was anticipated as a result of shut down for Gas pipe line maintenance at Total E&P Myanmar on April 5, 2013.

2012 - 2013

Innovation Technology registered with Thai ESCO - an organization that offers guaranteed-payback on EE/RE/AE projects for clients in various industries.

INNO arranged an in-house training program for Toyota Motor Asia Pacific - Engineer & Manufacturing (TMAP-EM) to turn up energy saving.

INNO had conducted a feasibility study of the replacement of building automation system (BAS) for Siam Commercial Bank Headquarter regarding reliability, functional analysis, greenbuilding and the future of building automation.

INNO installed an on-grid solar-wind hybrid system and implemented an online monitoring system at Energy Conservation Building in the Honor of the King, the Department of Alternative Energy Development and Efficiency in the Ministry of Energy of Thailand.











With INNO excellent solution applied, Phyathai 2 International Hospital received the winner of MEA Energy Saving Building Award 2013; overall energy consumption decreased by 22.1% and saved 6.3 MB in 2013 Innovation Technology has been accredited for ISO 9001 and ISO 50001; quality management and energy efficiency practice categories.

With INNO guidance and solution, Faculty of Medicine, Khon Kaen University and Phayathai 2 International Hospital have been accredited for ISO 50001; energy efficiency practice category.

INNO also adviced Richmond hotel receive the winner of MEA Energy Saving Award 2014 and Gold Rank in Smart Building of Annual ESCI Best Practice Award 2015.















INNO continue client success in energy management. Bangkok Commercial Asset Management Public Company Limited was announced the winner of Thailnd Energy Award 2016 in the best practice in large controlled building category.

INNO team and Huachiew Chalermprakiet University developed a conservation community at the university and receive Silver Rank in Smart Building of Annual ESCI Best Practice Awards 2017

INNO has an energy management system that will provide convenience and safety in your building. It can analyze data and report the results reliably.









With energy management that is our innovation causing Chaophaya Park Hotel and Rajavithi Hopital to be anounced as the winner of the Asean Energy Award 2019 and Thailand Energy Award 2019 in the category of large control building. In addition to building engineering systems, INNO cares about creating quality of life as well as good health and wellness. Because not only caring for the building, but the most important thing is we have to take care of people who live in the building as well.

INNO takes care of buildings and provide standard services with the most effectively such as a solar power generation system installed on the roof at the British International School in Phuket where we also provided integration system to reduce the electricity cost of the business wisely.















VISION & MISSION

VISION

To be the ASEAN leader in integrated facility management service, and the best provider who serves the best energy efficiency solution for sustainable existing.

MISSION

Providing a harmonious relationship with our clients to maximize profits and cost effectiveness in operation, while improving productivity and quality in workplace to meet your success and a sustainable future of your business.



OUR SERVICES

INNO is a group of Well-experienced engineers with a wide variety in expertise. We pride ourselves on being completely independent in providing our clients with realistic energy efficient solutions.

INNO specialists recognize energy waste in operation and procedure. So we provide energy audit and analysis, efficiency solution, project implementation and access to government grants and financial aids. Moreover, our solutions also concern on safety, security, health and wellness for increasing total quality of daily work life.

Our services reach to all sectors of businesses including residential, commercial, industrial, healthcare, education, retail and government.

Details of specific services delivered by our energy team.





INNO has a long history with building owners and managers in providing assistance with ongoing operational needs, future planning requirements of asset and the acquisition of new property to redesign for more energy efficiency building.

INNO earned the position of base building engineer on numerous developments. In this role, our scope of work includes the vetting of other consultant's documentation for tenancy fit out to ensure the maintenance of high standard required by our clients.

FACILITIES MANAGEMENT

- M&E facility condition survey and report
- Operational and procedural M&E health checks
- Facility asset list production and verification
- Lifecycle cost modelling
- Forward maintenance planning
- Building code compliance audits
- Risk management review
- Construction design and management

COMMISSIONING SERVICES

- Building commissioning
- Re-commissioning
- Value commissioning
- Continuous commissioning



DIGITAL INNOVATION

Digital Innovation (DI) is a brand new building management solution via IoT technology to measure, analyse and respond to data. The purpose is helping people use energy efficiently and sustainably.

Optionally, an energy management display can be installed.

DI PROCESSING & FEATURES

- Real-time building data monitoring : energy, power, water, air quality, and machine status
- Data collection and analysis
- Safety data recording on cloud connection
- Alarm failure detection
- Report operation insight and energy efficiency optimization



ENERGY and ENGINEERING ADVISORY

INNO Energy advisory team provides dedicated counsel and cost-effective solutions for a wide range of energy-related challenges. In professional support, engineering & operations, finance, regulatory issues, or general business decisions, or turnaround management, our team can contribute to your success.

ENERGY EFFICIENCY MANAGEMENT

- Energy audit
- Energy data analysis
- Project tracking, reporting and evaluation
- Integrated energy management solution

STRATEGIC CONSULTING

- ESG and policy analysis
- Energy pre-assessment
- Economic feasibility analysis
- Strategic planning
- Technical specification and procurement services
- Incentive application
- International standard compliance



The best solution on suitable budget and smooth connecting of original software with new system. INNO choose reasonable brand suit for corporate usage.

Rest assured that our safety engineering system is the first priority. Cost energy sources is rising. You need a partner to help guide your organization through these changes to meet new challenge and maximize efficiency.

RETROFIT

- Lighting and electrical systems
- Energy management system
- HVAC system
- DUCT work & cleaning
- Indoor Air Quality improvement
- Sanitary system
- Net zero energy solution



RENEWABLE ENERGY SERVICE

Our service works for sustainable and green energy future. As demand for clean and renewable energy is growing significantly, we work relentlessly to remain squarely on the cutting edge of renewable technology. The recognition of environmental issues is increasing and political support is growing. With our expertise, INNO team can give advice and install various devices. Therefore, we strive to see changes and use skills in various fields. About reliable renewable energy.

RENEWABLE ENERGY

- Project development
- Energy assessment
- Site feasibility study
- Technology consultancy
- Environmental and permitting services
- Interconnection

SOLAR

- Presenting renewable energy technologies that are suitable for the energy consumption patterns of the building
- System maintenance after installation
- Assessing the overall potential of the system
- Restoring the system to efficiently produce energy
- Coordinate funding sources for system installation



PRODUCTIVITY and QUALITY IMPROVEMENT

Companies delivering services must broaden their examination of productivity from conventional company oriented perspective to an energy efficiency company customer perspective. This broadened approach can help reconcile conflicts the leverage synergies between improving service quality and boosting service productivity.

TRAINING

- ESG
- Energy conservation awareness
- Industrial and commercial energy audit
- Building maintenance and management
- Productivity and process improvement
- Total Productive Maintenance (TPM)
- Carbon Footprint
- ISO 9001: Quality management
- ISO 50001 : Energy management
- ISO 45001 : Occupational Health and Safety Management Systems



ARCHITECTURE and FACILITY MANAGEMENT

As a result of building engineering expertise, INNO has developed Architecture & Interior Design with Value Engineering design by used Facility Management knowledge for fulfill international building's functions in safety and appropriated environment that covered specific context and number of users for maximized benefits of building's utilities, support building management, operation and maintenance aspects include construction cost saving creatively lead to grate sustainable organization image.

ARCHITECTURE AND FACILITY MANAGEMENT (AFM)

- Architecture and interior design
- Renovation & Decoration
- Building Information Modeling (BIM)
- Value Engineering design
- Construction Management
- Electrical System
- Substation and Protective Relaying
- Transmission and Distribution System
- Lightning Protection System
- Fire Suppression System
- Mechanical System
- Sanitary System





OUR TEAM

"We provide innovative solutions that will enhance your quality of life."

Mr. PONGPHAT MUNKKUNK

"The Success of our clients is our achievement"

Mr. BANDIT NGAMWATTHANASILP Executive Director

"We innovate your business"

Mr. CHAISIT KUPWIWAT

MEET THE EXPERTS

Our specialists from variety of fields with highly experienced can always provide you with the best tailored-fit solution to meet your needs and satisfaction.

INNO TEAMWORK



ENGINEERS

Highly experienced engineers can serve you with sustainable solution in operation and maintenance to optimize performance of all major components within your facility. Mechanical and electrical systems in large facility are essential parts of operations; our experts will work to make sure you have the best quality.

- **ENERGY MANAGEMENT**
- MECHANICAL
- ELECTRICAL



TECHNICIANS

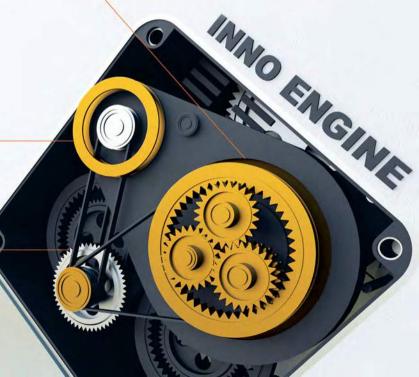
Our well-trained and qualified technicians can perform all kinds of required tasks while maintaining the best quality services.



SPECIALISTS

Specialists ranged from facility management, alternative energy, environmental, information management, to construction management we have, is the guarantee that you will always have the best result.







From a small group of experts who formed the company, presently INNO has acquired over 500 highly qualified staffs in a variety of fields. Since only operated for one client with few buildings, now we have been overlooking more than hundred facilities of over 200 organizations, and we are expanding rather rapidly.

CLIENTS

Understanding what is important to our clients is always on top of mind for INNO. We see projects from our client's point of view. We make our analysis and recommendation based on main factors that affect them such as building functionality, economic viability and social and environmental responsibility.

Besides delivering to such key criteria, we understand that it is also crucial for our clients to be able to demonstrate it to their stakeholders. We provide full documentation as a means of proving quality, cost effectiveness and appropriate sustainability rating. We believe supporting our clients also includes providing continued service beyond any one project.

PHUKET



























AOT





















































































































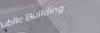






















AWARDS



ASEAN ENERGY AWARDS

is an annual event organized by the ASEAN Centre for Energy (ACE) to promote the utilization of renewable energy and the implementation of energy efficiency and conservation within the region. The awards aim to represent the outstanding projects for its excellence, innovative ideas and practicality in energy efficiency and sustainability of the energy conservation campaign. This event has been organized to help raising the awareness of energy conservation in ASEAN countries, as to encourage the wider range of participations and a need for the implementation of energy efficiency mainly focus on both commercial and industrial sectors.







ESCI BEST PRACTICES (APEC) AWARDS



has contributed greatly to the advancement of green growth, sustainable development, long-term job creation and APEC's goal of energy intensity reduction of at least 45 percent by 2035 with 2005 as the reference. As the information hub of ESCI network, the Knowledge Sharing Platform (KSP) has helped disseminate and share best practices of ESCI's areas of focus in a systematic manner. Projects judged on innovativeness, completeness, and practicability.



"The success of our clients is our great achievement"

is the main focus of our services. We provide the best innovative energy management solutions to tailored-fit our clients' needs. The goal is to best practice in energy and engineering management for large controlled buildings. Besides, energy efficiency and cost-effectiveness in operation, the recognitions from National and Regional levels are also a great motivation to all.





BEAT AWARD

The Building Energy Awards of Thailand 2010 for "Participation" is the First Thailand's Energy Conservation Building Competition Policy and Planning Office, Ministry of Energy.



AWARDS

MEA AWARDS

is held annually by the Metropolitan Electricity Authority. Its goal is to encourage the building to realize the importance of energy efficiency. Our clients have been won three years in a row.



THAILAND **ENERGY AWARDS**

is held annually by the Department of Alternative Energy Development and Efficiency in the Ministry of Energy of Thailand. Its goal is to honor both personal and organization from government to private sectors, which have been actively contributed to energy conservation and alternative energy development plans. TEA helps in encouraging a great sense of responsibility among people in all levels to use energy resources efficiently and to maximize the sustainable benefits from its energy conservation participations.









INNOVATION TECHNOLOGY CO.,LTD.

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