

ITALTHAI
ENGINEERING

COMPANY PROFILE

EXCELLENCE • PROFESSIONALISM • HIGH STANDARDS • INNOVATION

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Company Information

ITALTHAI ENGINEERING

THAI ENGINEERING CONTRACTOR SINCE 1967

Registration No.	0105510002297
Established Date	May 25th, 1967
Registered Capital	1,302,600,000 Baht
Employee	Over 800 Staff and Growing
Certification	ISO 9001: 2015, ISO 14001: 2015, ISO 45001: 2018
Website	www.italthaiengineering.com

HEAD OFFICE

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SERVICES

Engineering, Procurement, Construction, Installation Testing and Commissioning for

- High Voltage System, Substation and Power Distribution System
- Balance of Plants for Coal Fired and Combined Cycle Power Plant
- Smart Grid, Mini Grid and Micro Grid
- Renewable Energy Solutions (Solar, Wind, Biomass, Energy storage, etc.)
- Utilities System (MEP) for Commercial, Residential, Industrial, Mixed Use Buildings, Factories, Warehouses, Automated Warehouses and Smart City
- Civil Work for Low Rise Buildings, Warehouses, Factories and Industrial Estates
- Civil Work and Utilities System for Petrochemical, Oil & Gas Plant
- Automation and Smart Solutions for Commercial and Industrial Sectors
- Utilities System (MEP) for Data Center



VISION

“ EPC Contractor of choice by creating Excellence through Professionalism, High Standards and Innovation ”



MISSION

EXCELLENCE THROUGH STANDARD AND INNOVATION:

Strengthening our professional engineering capabilities through high quality, safety and new technologies.

STAKEHOLDER SATISFACTION:

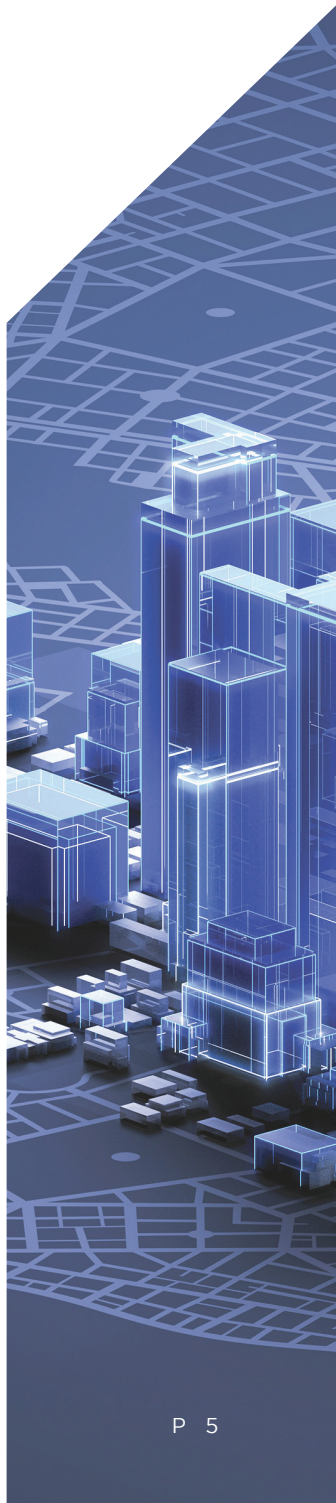
Ensuring our clients, partners, employees and shareholders experience great value and success.

INSPIRING WORKING ENVIRONMENT:

Encouraging teamwork and promoting the professional growth of our diverse team members.

SUSTAINABLE PRACTICES:

Doing business with environmental consciousness and social responsibility.



MESSAGE FROM ITALTHAI ENGINEERING CHAIRMAN OF THE BOARD



Italthai Group has been conducting its businesses for the promotion of lifestyle, wellbeing and greater societal advancement, ranging from our sales and post-sales service of heavy construction machinery and full-service construction contractor businesses. We have also earned our clients' trust with our vast experience and expertise in hospitality, restaurant, spa and lifestyle-related business. For more than 70 years, we have ensured that only the highest levels of excellence are provided to our shareholders, customers and stakeholders -- along with our aspiration to be among Asia's top conglomerates in both the construction and hospitality industries.

Italthai Engineering Co., Ltd. (ITE) has been, for the past six decades of its history, the leader of innovations and solutions in the full-service contractor construction industry. Not only has ITE won project awards and the continued trust of clients, but it has also consistently set new standards for the industry. We are proud of the team members' determination and efforts which have resulted in ITE's story of strong and continuous success. This is evident in their high standards of performance, their contribution to the company's soaring achievements, and the creation of sustainable value for shareholders, customers, employees and society as a whole.

Moreover, the two businesses that are the group's latest additions: the trading company, Italthai Innovative Technology Co., Ltd. (ITIT), and the data center firm, constitute a vital force in developing engineering solutions with innovations for the construction contractor industry. Altogether, the efforts of all component sections attest to our determination to make greater advancements on all fronts.

All of us will continue to collaborate and secure our leading position as the EPC Contractor of Choice, supporting our team members to achieve the organization's goals, strengthening our levels of excellence, adhering to international standards, delivering sterling work performance, and applying innovations for continuous development of operations for our enduring success in the decades to come.

YUTHACHAI CHARANACHITTA

CHAIRMAN I ITALTHAI ENGINEERING CO., LTD.

HISTORY

1967 • Established on May 25th, 1967 under the name of Italthai Gas Service Co., Ltd.

1974 • Diversified into the construction business and under the new name "Italthai Engineering Co., Ltd."

1987 • Expanded business to include new generation power plants and high voltage substation construction, serving all three electricity authorities in Thailand.

1993-1994 • Awarded contracts for 4x300 MW Rayong combined cycle power plant, and 300 MW South Bangkok combined cycle power plant.

2001 • Further expand services to provide Mechanical, Electrical and Plumbing (MEP) systems for high rise buildings

2003 • Expanded into specialized construction market to support the growing demand for petrochemical plants, water and wastewater treatment plants, factories and mines

2008 • Received ISO9001:2000 certification and subsequently upgraded to ISO 9001:2008

MESSAGE FROM THE CEO OF ITALTHAI ENGINEERING

In the dynamic landscape of engineering and construction, Italthai Engineering stand at the forefront of innovation, setting new standards of excellence, and redefining what it means to be the EPC (Engineering, Procurement, and Construction) contractor of choice.

At Italthai Engineering, our focus remains committed to creating excellence in everything we do—whether it's designing cutting-edge engineering solution, implementing sustainable practices and standards, or delivering projects on time and within budget. The project management is our key success factor, which is supported by experienced and professional engineers with the mindset of driving efficiency and maintaining of high safety standard. We also understand that the world is constantly evolving, and with it, so too must our approach to engineering and construction. So, we will continue to push the boundaries of engineering innovation, harnessing the technologies. That is the reason we have added Trading Company, Italthai Innovative Technology (ITIT), and Data Center to Italthai engineering business.

As we aim for excellence, we will keep developing our most valuable asset: our people. By empowering individuals to expand their skills, we enhance our collective capabilities and foster a culture of continuous improvement. Moreover, we support career growth by offering advancement opportunities and new responsibilities. At Italthai Engineering, we believe that when our employees succeed, we all succeed, and we are committed to helping our team members reach their full potential.

Together, let us continue to push the boundaries of what is possible to create excellence, standards, and innovation that set us apart as the EPC contractor of choice.



SAKOL LAOSUWAN

CEO I ITALTHAI ENGINEERING CO., LTD.

2012
- Enter the renewable energy sector and quickly gained the position of market leader as a turnkey solution provider for solar and wind power plants

2015
- Extended its services to include construction of biomass, biogas ana waste-to-energy power plants

2017
- Received certified both OHSAS 18001:2007 and ISO 14001: 2015
- Registered its first international company in Myanmar under the name "Italthai Engineering (Myanmar) Co., Ltd."

2018
- Extended its business to smart grid

2021
- Expanded its business to Data Center
- Official Launched "Italthai Innovative Technology Co., Ltd.
- Expanded its business to project group 2

2024
- Registered International Company in Laos under the name "Italthai Engineering (Lao) Co., Ltd."

BOARD OF DIRECTORS



YUTHACHAI CHARANACHITTA
CHAIRMAN OF THE BOARD



4 2 1 3 5

1. VALAITHIP PIRIYAWARASAKUL
Director

2. SAKOL LAOSUWAN
Director

3. SOMBOON WONGRASSAMEE
Director

4. CHAIYOD WONGWAITAYAKORNKUL
Director

5. CHANCHAI YUTHANARONG
Director

MANAGEMENT TEAM



1. **SAKOL LAOSUWAN**
   Chief Executive Officer
2. **SOMBOON WONGRASSAMEE**
   Chief Financial Officer
3. **CHAIYOD WONGWAITAYAKORNKUL**
   Chief Operation Officer
4. **THONGCHAI VIJARNJAROEN**
   Executive Vice President
5. **CHANCHAI YUTHANARONG**
   Executive Vice President
6. **RABIL HIRUNSATITPORN**
   Executive Vice President
7. **ANA MASUWAN**
   Executive Vice President
8. **NITIPHAN UAWITHYA**
   Managing Director of Italthai Innovative Technology Co., Ltd.



9. **CHARIN KULPRADITSILP**
   Senior Vice President
10. **MONTRA TAYAKEPISUTH**
    Senior Vice President
11. **CHITTAPOO USNABHIRAKS**
    Senior Vice President
12. **KRIENGKRAI WAITAYASUWAN**
    Senior Vice President
13. **ADIRAG PAKKHEM**
    Vice President
14. **NUTTAKORN LOSUWAN**
    Vice President
15. **SITTIKORN YUWAWAT**
    Vice President
16. **DUANGJAI PUNTAWEEVARAKORN**
    Vice President
17. **CHANAPON SUPANKOON**
    Vice President

Smart Grid Group

We provide solutions for Electricity Generating Authorities of Thailand (EGAT), Metropolitan Electricity Authority (MEA), Provincial Electricity Authority (PEA), Independent Power Producers, Other Private Companies and Private Investors

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SCOPE OF WORK

- High Voltage Substation & Power Distribution System
- Grid Protection & Control
- Energy Management System
- Under Ground Cabling System
- Solar Rooftop / Solar Carport
- Off-Grid and On-Grid Micro Grid System
- Private Substation
- Power System Preventive Maintenance and Renovation

GRID SUBSTATION

Design, Supply and Construction of Substation



GIS
(GAS INSULATED SWITCHGEAR)

1. **EGAT – 230 / 115 kV Phatthalung Substation**
2. **PEA –115 / 22 kV Ekachai 2 and Sam Pharn 3 Substations**
3. **MEA – 115 / 24 kV Klongsibsok and Rattanathibet GIS Substations and UndergroundCable**





AIS
(AIR INSULATED SWITCHGEAR)

1. **EGAT – 115 / 22 kV Chum Phae Substation**
2. **PEA – 115 / 22 kV Kabinburi 3 and 4 Substations**
3. **PEA – 115 / 22 kV Wang Noi 2 Substation**



MTS
(MIXED TECHNOLOGY SWITCHGEAR)

1. **EGAT – 115 / 22 kV Ban Phaeng Substation**
2. **PEA – 115 / 22 kV Chiang Mai 5 Substation**

MICRO GRID

Survey, Design, Supply, Installation, Construction and Commissioning





1. **PEA – Off-Grid Micro Grid Phaluai Island, Suratthani (1 MWp Solar Farm, 1.875 MWh BESS and 2x375 kVA DG)**
2. **EGAT - Maehongson Smart Grid Pilot 3 MWp and Energy Storage 6.192 MWh**

SOLAR ROOFTOP AND SOLAR CARPORT

Trusted by customers from several industries with experience over 100 MWp



1. **Suvarnabhumi Airport, Samutprakarn - 4.4 MWp**
2. **Toyota Motor (Thailand) Co., Ltd., Gateway & Samrong - 8.10 MWp**
3. **Thai Pride Solar Rooftop and Solar Floating, Saraburi - 3.53 MWp**
4. **Nissan Motor (Thailand) Co., Ltd., Samutprakarn - 6.00 MWp**
5. **Nissan Power Train (Thailand) Co., Ltd., Samutprakarn - 999.90 kWp**





6. **Mitsubishi Motor (Thailand) Co., Ltd., Chonburi - 12.69 MWp**
7. **Solar Rooftop Chiang Mai University, Chiang Mai - 5.11 MWp**
8. **Siam Toyota Manufacturing Co., Ltd., Amata City Industrial Estate, Chonburi - 942.30 kWp**
9. **Thai Auto Pressparts Co., Ltd., Rayong - 999.93 kWp**



10. **Saha Group Industrial Park, Sriracha, Chonburi - 25.00 MWp**
11. **Lion Corporation (Thailand) Limited, Chonburi - 2.75 MWp**
12. **Big C Department Store (19 Branch) - 16.00 MWp**
13. **Crystal Design Center (CDC), Bangkok - 1.60 MWp**
14. **Sam Yan Market, Chulalongkorn University, Bangkok - 770.40 kWp**

Power Group

We provide solutions for Independent Power Producers and Other Private Companies, Private Investors including Renewable Energy, Industrial Utilities and Smart City

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SCOPE OF WORK

- Combined Cycle Power plant
- Solar Farm and Solar Floating
- Wind Farm
- Bio Gas & Bio Mass
- Industrial Utilities
- Subway
- Smart City

SOLAR FARM AND SOLAR FLOATING

We are the very first and continuous contractor with experience over 450 MWp









1. **Solarco - 39.4 MWp with 115 kV Substation**
2. **SPP6 - 40 MWp**
3. **Sahapat Solar Rooftop and Solar Floating - 25 MWp**
4. **Wisewoods Solar Farm and Solar Floating**
5. **NED Solar Farm 84 MWp**
   - Top 5 Largest Solar Farm in Thailand
6. **Siam City Cement (INSEE) - 80 MWp**
7. **SOLEQ Solar Farm - 48 MWp**
8. **FST Solar - 9.98 MWp**
   - BESS 1.7 MWh
9. **SPP2 Solar Farm - 9.51 MWp**
   - Solar Panel Tracking System

POWER PLANT





1. **North Bangkok Combined Cycle Power Plant Block 1 - 700 MW**

2. **REN Korat Energy Power Plant - 31.2 MW Gas Engine**

INDUSTRIAL UTILITIES



1. **Bangpoo Industrial Estate**
   - Steam Distribution Piping System

2. **Combined Cycle Co-Generation of B.Grimm Power (Phase 2)**
   - Construction of Steam Distribution System

SUBWAY



Orange Line Subway
- Utility work for Underground Station, Tunnel and Signage System

WIND FARM





1. **Pak Phanang Wind Farm - 10 MW (net)**
   - Strongly built in coastal areas

2. **Chaiyaphum Wind Farm - 80 MW (net) with 115 kV Substation**

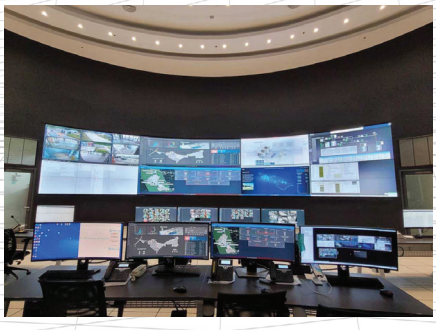
3. **T2, T3, and NKS Wind Farm 90 Turbines - 270 MW (net)**

4. **LomLigor Wind Farm - 10 MW (net) with BESS 1.88 MWh**

5. **Theppana Wind Farm - 7.5 MW (net)**

SMART CITY





EECi Wangchan Valley Smart City

Project Group 1

We provide solutions for
- Industrial Sector
- Factory
- Conventional and Automated Warehouse
- Oil & Gas
- Petrochemical Plant
- Other Specialists Manufacturing Sectors
- Data Center
- LEED Certified
- FM Approved

SCOPE OF WORK

- Electrical System
- Mechanical System
- Sanitary System
- Fire Protection System
- Communication System
- Instrumentation System
- Machine System
- Water Treatment and Wastewater Treatment Plant
- Smart Power Management Solutions
- Intelligent Industrial Solutions
- Pollution Control System

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PETROCHEMICAL





1. JSR BST ELASTOMER - JBE Step 04
- BDI and HMI Chemical Preparation Unit
- New BDI Chemical Preparation in Plant





2. PTT - GAS Mixing
- Gas Mixing Process 700 Nm3/hr, 450 PSIG (N2, CO2, LPG, NG)
- Special Gas Mixing Process Requirement and Pilot Plant for Innovation Plant

WATER AND WASTEWATER TREATMENT



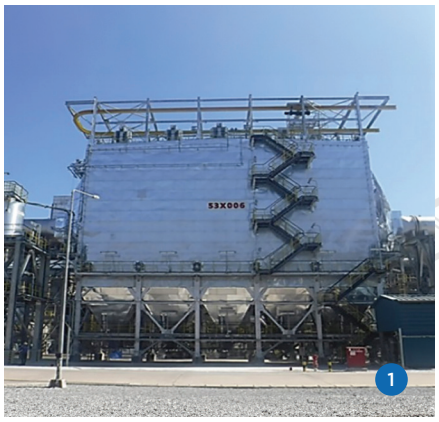


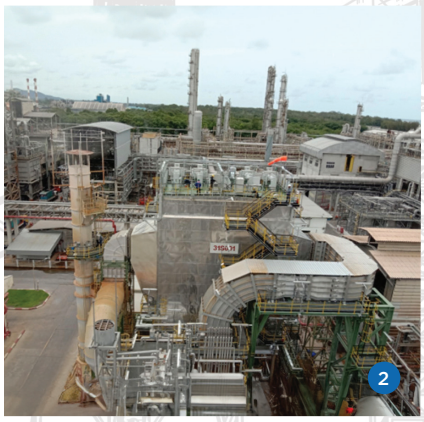
1. DOW Wastewater Treatment Plant Thai Growth (WWTP)

2. IRPC Central Wastewater Treatment Plant (CWTP)
- Construction & Installation of Membrane Technology Wastewater Treatment Plant

POLLUTION CONTROL SYSTEM

Air Quality Control System



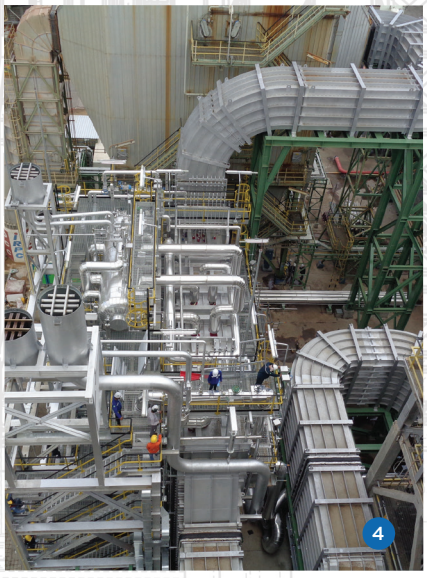


1. IRPC Install Electrostatic Precipitator for RDCC Plant

2. IRPC Install Electrostatic Precipitator For DCC Plant

- EPCC Service for the new Electrostatic Precipitator including with Dust Conveying System and Dust Unloading System for RDCC Plant / DCC Plant
- MIGI Rapping Insulator Technology





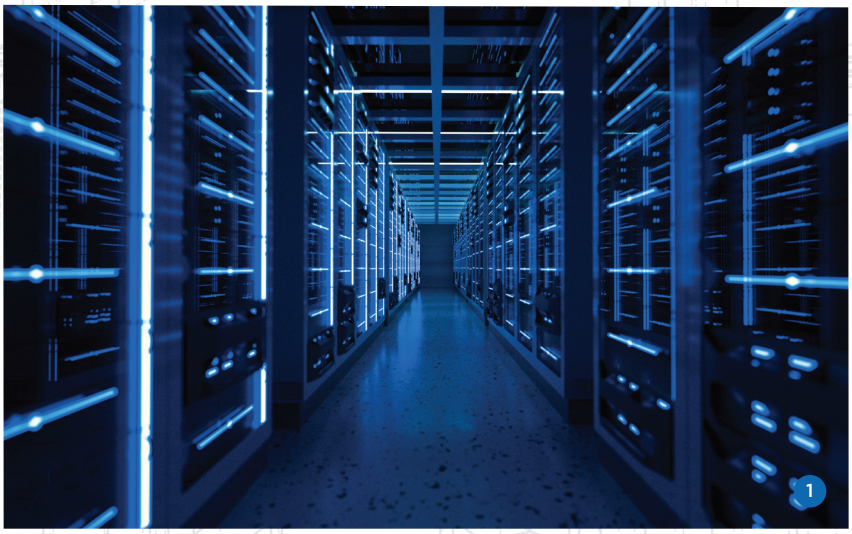
3. IRPC Seawater FGD Improvement For Boiler Unit 02

- Revamping Seawater Flue Gas Desulfurization
- Flue Gas Scrubber Technology

4. IRPC Flue Gas Cooler Unit for DCC Plant

- Demolished existing and replace new FGC
- Waste Heat Recovery Unit (SH 30 Ton/hr.)

DATA CENTER



Hyperscale Data Center, Bangkok

The project includes the fit-out of a data center's MEP systems, including the supply and installation of M&E systems, DCIM, HVAC, fire protection, elevator, electrical power supply, lighting and communication systems.

- Hyperscale Data Center with Tier 3 class
- 4+4 MW (11 kW per rack)
- LEED Platinum Certified

Project Group 2

We provide solutions for
- Industrial Sector
- Large Factory and Building
- Conventional and Automated Warehouse
- Food & Pharmaceutical Sector
- Other Specialists Manufacturing Sectors
- LEED Certified
- FM Approved

SCOPE OF WORK
- Civil, Structural & Architectural (CSA)
- Mechanical, electrical and plumbing (MEP)
- Sanitary & Fire Protection System
- Water Treatment & Wastewater Treatment System
- Clean Room System

POINT OF CONTACT
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PETROCHEMICAL / OIL & GAS









1. **IRPC - Polypropylene Compound and Specialties (PPC)**
   - Blast-proof building
2. **Exxon Mobil - Biological Oxidation System**
   - Brownfield and high safety requirement
3. **SCG BST - BST Expansion**
   - Extreme deep excavation for underground reinforced concrete tank
4. **Thai Oil - RHCU Pilot Plant**
   - Residue Hydrocracking Unit (RHCU) Pilot Plant
5. **Thai Oil - Clean Fuel (E04 Package)**
   - Brownfield and interface in congestion area of refinery
6. **NatureWorks - Sequoia**
   - Lactic Acid production plant
7. **Map Ta Phut Olefins Plant - CTU-MPR**
   - Fire Water Pond and Fire Water System
8. **Map Ta Phut Tank Terminal - Impounding Pond**
   - Fire Water Pipeline and Booster Pump

LARGE FACTORY, WAREHOUSE & BUILDING













1. **Lenzing T3**
   - World's largest lyocell fiber plant (65,000 sq.m.)

2. **Schlumberger - Schlumberger Hat Yai Integrated Base**
   - FM Approved and LEED Certified

3. **BOSS Pharmacare - New Production and Automated Warehouse**

4. **Dupont– Additional Dryer**
   - GMP Factory for Food Supplement and Pharmaceutical Binder

5. **OZO - Kata Phuket**

6. **Shrinkflex - New Production Building and Head Quarter Office**

7. **Thai Styrenics**
   - Central Chemical Warehouse

8. **Grand Siam Composites**
   - GSC New Warehouse AS/RS

9. **Thai Polyethylene**
   - New Warehouse Replacing

10. **Thai Polyethylene**
    - Application Development Center

11. **Map Ta Phut Tank Terminal**
    - New Operation Building

12. **Covestro - Blue Marlin SF Expansion MTP**
    - Clean room
    - FM Approved

13. **IRPC - Hydra-1 (Non-Woven Fabric) Project**
    - Turnkey project with Clean room

Utility Group

We provide solutions for
- Residential & Commercial Developments
- Hospital & Medical Facilities
- Hotels & Resorts
- Education Facilities
- Industrial Utilities
- Mixed Use Building
- Residential & Retail
- LEED Certified
- Well Certification

SCOPE OF WORK
- Electrical System
- HVAC System
- Mechanical System
- Sanitary System
- Fire Protection System
- Communication System
- Medical Gas & Pneumatic System
- Smart Building Management Solutions

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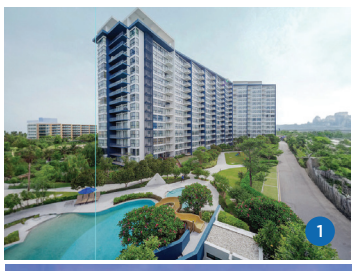
HOSPITAL & MEDICAL FACILITIES





1. **Chulabhorn Hospital (400 bed), Medical College and Dormitory**
2. **Savang Vadhana Medical Center Sriracha (750 bed)**
3. **Klong Sam Wa Hospital (250 bed)**
4. **Phoenix Project, BDMS**

HOTELS & RESORTS









1. **Baan Thew Talay Blue Sapphire**
2. **Kimpton Koh Samui**
3. **Amari Watergate Hotel (Renovation)**
4. **Amari Residence Hua Hin**
5. **Amari Residence Phuket**
6. **Amari Hotel Pattaya**
7. **OZO North Pattaya**
8. **OZO Samui**
9. **Sofitel Bangkok Sukhumvit**

EDUCATION FACILITIES





1. **Learning Exchange Building King Mongkut's University of Technology Thonburi**
2. **Center of Excellence for Dentistry, Chulalongkorn University**
3. **60th Political Science Building, Chulalongkorn University**
4. **Mahidol University International Demonstration School**

INDUSTRIAL UTILITIES





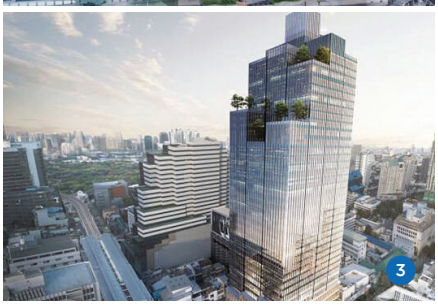
RELIEF PROJECT :
ESSILORLUXOTTICA (THAILAND)

The Eyewear and Eyecare Industry
- LEED Gold Certified
- 230,000 sq.m.
- Construction Period : 10 Months

MIXED-USE BUILDING









1. **O-NES Tower**
2. **One City Centre**
3. **Park Silom Bangkok**
4. **EGAT Headquarter**
   (Active Chilled beam
   1st Building in Thailand)
5. **Summit Tower**
6. **King Bridge Tower**
7. **Aman Nai Lert Bangkok**

RESIDENTIAL & RETAIL









1. **Oriental Residence (6 Star)**
2. **Sindhorn Residence**
3. **ICONSIAM**
4. **River City Bangkok**
5. **Sindhorn Midtown**
6. **Windshell Naradhiwas**
7. **The Mall Korat**
8. **Makro Food & Service**

BUSINESS DEVELOPMENT

As a part of the company's diversification into new business, The Business Development Team is always on the lookout for new business partners & suppliers for the existing businesses & for new business including Smart Solutions.

In additional, the team is always looking to explore new business opportunities and welcomes all domestic & international prospective business partners with technologically forward products and services to collaborate together.

- New Markets Diversification
- Business Partners Diversification
- New Technologies & Solutions
- Investment Opportunities
- Mergers & Acquisition

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INTERNATIONAL BUSINESS (SOUTH EAST ASIA)

OUR SERVICES

- Smart Grid Solution
- Power Generation Solutions
- Building Utilities
- Industrial & Infrastructure Solutions
- Renewable Energy

MYANMAR:

Italthai Engineering (Myanmar) Co., Ltd.

LAOS:

Italthai Engineering (Lao) Co., Ltd.

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SUBSIDIARY OF ITALTHAI ENGINEERING

ITALTHAI INNOVATIVE TECHNOLOGY

Italthai Innovative Technology Co., Ltd. is a subsidiary of Italthai Engineering Co., Ltd. We specialize in providing traditional products and innovative solutions tailored to the industrial sector.

HIGH VOLTAGE PRODUCT



Gas Insulated Switchgear (GIS)

NHVS NEW NORTHEAST ELECTRIC INDIA PVT. LTD.

平高集团 PINGGAO GROUP

HVAC PRODUCT



Water Cooled Chiller and VRF Precision Air Conditioning

Midea

DATA CENTER PRODUCT



Precision Air Condition

KSTAR

INDUSTRIAL ROBOTIC SOLUTION



Outdoor Inspection Robot



Indoor Inspection Robot



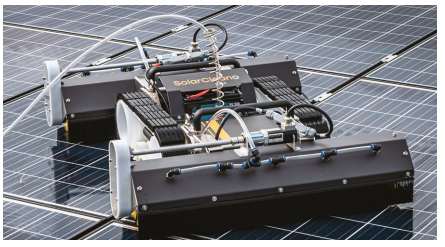
Power Plant Boiler Inspection Robot



Ultrasonic Inspection Robot



Petrochemical Pipe Inspection Robot



Solar Panel Cleaning Robot

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QUALITY MANAGEMENT SYSTEM
(QMS – ISO9001:2015)

Italthai Engineering, is a leader in engineering and construction, prioritizing client commitment and quality. Holding ISO 9001 certification since 2008, it demonstrates adherence to international standards and continuous improvement, with the latest ISO 9001:2015 achieved in 2017. Specializing in Project Management, Engineering, Procurement, Construction, Commissioning (EPCC), and Maintenance, Italthai serves diverse sectors including buildings, factories, utility plants, and infrastructure for transportation. The company's expertise extends to advanced systems in automation communication, and electrical generation, showcasing its innovation and comprehensive service capabilities. Italthai Engineering's dedication ensures exceptional service and project execution, meeting customer and regulatory requirements.

OCCUPATIONAL HEALTH & SAFETY AND ENVIRONMENTAL MANAGEMENT SYSTEM

CERTIFIED
ISO 14001:2015
ISO 45001:2018

Italthai Engineering has established special team with well-trained staffs and high standard OH&S and Environment management Systems together with our fabrication workshop and our branch office at Rayong Province to service the market is accepted for its performance of good quality construction works and strictly comply with Oil and Gas and Petrochemical Standard of OH&S and Environment Management Systems which finally has been certified both OHSAS 18001:2007 and ISO 14001: 2015 by Bureau Veritas since March, 24th 2017 and upgrade OHSAS 18001:2007 to ISO 45001:2018 on 2019 with the following scopes:

"Construction of civil, electrical, mechanical, instrument, test & commissioning works for Petrochemical Plant, Oil & Gas Plant, Warehouse, Factory and Office Building." with the following policies:

Occupational Health & Safety Policy (ISO 45001)

"Strict to Safety and Occupational Health Laws and regulations, Continual improvement of the system, striving towards Zero accident"

Environmental Policy (ISO 14001)

"Fulfil the compliance obligation, Prevention of pollution, Sustainable resource use, Preserve the environment mind, Continual improvement to enhance environmental performance."

QUALITY POLICY

PROFESSIONALISM THROUGH STANDARDS AND INNOVATION DRIVES CUSTOMER SATISFACTION AND TRUST





ITALTHAI
ENGINEERING

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