



## **QUALIFICATION / EDUCATION**

<b>NAME</b>	<b>MR.ANAWACH SAENGSAWARN</b>
<b>Contact</b>	<b>Hand Phone (66)87-9345225</b>
<b>E-mail address</b>	<b>anawacs@hotmail.com</b>
<b>AGE</b> 55 YEARS	<b>NATIONALITY/RELIGION THAI/BUDDHISM</b>
<b>PLACE OF BIRTH</b>	<b>RANONG PROVINCE Thailand</b>
<b>Address</b>	<b>151/131 Country Home 2 Moo7 T.Surasak Sriracha</b>
<b>MARITAL STATUS MARRIED</b>	<b>Chonburi 20110 Thailand</b>
<b>WEIGHT</b> 95 Kg.	<b>HIGHT</b> 178 Cm.
	<b>BLOOD GROUP</b> O
<b>EDUCATION BACKGROUND</b>	
<b>UNIVERSITY</b>	<b>NATIONAL INSTITUTE OF DEVELOPMENT</b>
<b>Oct. 1999 – April 2001</b>	<b>ADMINISTRATION (NIDA)</b>
<b>Master Degree</b>	<b>MASTER DEGREE OF PUBLIC</b>
	<b>ADMINISTRATION (MPA)</b>
<b>March 1998 - July 1998</b>	<b>THE UNIVERSITY OF THE THAI CHAMBER OF</b>
<b>DEGREE</b>	<b>COMMERCE.</b>
<b>MAJOR</b>	<b>MINI MASTER BUSINESS ADMINISTRATION (Mini MBA)</b>
	<b>BUSINESS ADMINISTRATION</b>
<b>1987 - 1988</b>	<b>KING MONGKUT'S INSTITUTE OF</b>
<b>DEGREE</b>	<b>TECHNOLOGY (THAI – GERMAN)</b>
<b>MAJOR</b>	<b>BECHELOR IN ENGINEERING</b>
	<b>MECHANICAL ENGINEERING</b>

Commented [PS1]:

1985 – 1988	KING MONGKUT'S INSTITUTE OF TECHNOLOGY
DEGREE	BACHELOR IN ENGINEERING
MAJOR	INDUSTRIAL ENGINEERING
2. COLLEGE	
1982 - 1984	SOUTH EAST ASIA COLLEGE
DEGREE	DIPLOMA
MAJOR	MECHANICAL POWER TECHNOLOGY
3. VOCATIONAL EDUCATION SCHOOL	
1980 - 1982	PHUKET TECHNICAL COLLEGE
DEGREE	VOCATIONAL EDUCATION CERTIFICATE
MAJOR	AUTO MECHANIC
4. SECONDARY SCHOOL	
1977 - 1980	PICHAIRATANACARN SCHOOL
DEGREE	M.S.3 , EQUIVALENT GRADE 10
5. PRIMARY SCHOOL	
1970 - 1977	CHATCHALERM SCHOOL
DEGREE	P. 7 , EQUIVALENT GRADE 7

ENGINEERING LICENCE : PROFESSIONAL INDUSTRIALS ENGINEERING LICENCE.

#### EXPERIENCES

##### 1. ENGINEERING PROJECT BEFORE GRADUATED

Designing and simulating the vibrating helical conveyor

## 2. Career history/Accomplishments and Achievements

### Training courses

- Managing safety work by Chevron Thailand
- Safety officer, Supervisor level by Chevron Thailand
- Behaviour Base Safety and Behavioural Accidental Prevention Process
- Leadership training
- Organization development
- Project management
- Strategic planning
- Strategic tool for core competency
- Six Sigma (Champion)
- Project management by customer driven
- Change management
- Business building team work(Team Building)
- Coaching training
- Steam and boiler training
- CO-generation and district cooling and heating system and power plant
- Safety training for management level
- Technical fire fighting training
- Loss control and HAZOP training program(SHE and Risk management)

### Strengths:-

- Good communication and interpersonal skills
- Multinational and multicultural experience in French, Canadian, Dutch, Japanese and American companies.
- Strong engineering experience in a variety of projects.
- Strong management and leadership skills.
- Well organized, result-oriented and a decision maker
- Working well under pressure and very good in team work and human oriented

### Reference persons

1.K. Surawut Asawalertsak Construction Engineer Team Lead Chevron  
Thailand Tel.66-2 545-5555 Ext 6744 HP 6681-5730121

**2.K.Ausanee Likitwanawut Geometric Operations Manager Chevron Thailand  
Tel.66-2-5455555 Ext 5029 HP 6681-9078857**  
**3.K.Uthai Tabattanon Former construction Manager Chevron Thailand HP.  
0818316251**  
**4.K. Chamanon Jothaprasert Construction Manager Chevron Thailand HP.  
0843612676**

## EXPERIENCE

Freelance for leadership , performance improvement coaching for  
Chevron , Mubadala , PTTEP contractor (Expert Team Company) June  
2019-Present

Chevron Thailand Exploration and Production Jan 2011-May 2019  
Facility Engineering Offshore Construction Support Team Lead  
BKK.Office (2015-May 2019)

Responsible for  
Compliances audit and corrective action  
Lean Implementation

**Lead and support lean activities for daily execution phase in materials,  
fabrication**

- offshore construction with machine and process reliability.
- In charge of PM , breakdown for generator and gas turbine for electricity production with blackout protection.
- Lead for offshore planning PDCA, Gamba, Kaizen (Continuous improvement)
- Train and knowledge (Monosukuri) sharing to offshore crews for reach KPI implementation.
- Lead of evaluation phase for all offshore crews, Construction representative and FEOCC.

**V&V Training with coaching to all brownfield construction member to support drilling Rig9Tender and Jack up) and project construction crews in Gulf of Thailand.**

**Project & Maintenance Plaining**

- Plan and build construction process by producing a critical path and understanding the timing of each stage (iOEP)

- Ensuring project offshore construction process is effectively managed thru monitoring of the offshore construction team and business partners.
- Planning for materials phase. All fabrication schedule and prepare to ship to offshore.
- Plan for POB and installation and construction schedule with kick off meeting with off shore construction.
- Budget control with installation time schedule achievement.
- Coordination with commissioning team with set up schedule and prepare for start up.
- Support and control AR project for abandon platform cutting with lifting & rigging and sail to onshore for scrap or refurbish.

#### **Resources and Contract strategy management**

- Contract owner for offshore manpower supply, Onshore Fabricator Contract.
- Equipment and special tools contract management for offshore working.
- Resources management and planning from fabricator and suppliers.
- Ensuring that equipment (Rental & Own) is available throughout the offshore project
- Ensuring all projects elements are managed with maximum efficiency and are effectively coordinated.

#### **People(P.O.B.) Management**

- Responsible for strategic thinking a team and allocating tasks by KOM with project team and planning team.
- Work with project team, internal departments, external consultants, professionals and suppliers to complete all project functions of application of licenses and permits, tender, design, schedule, construction, control, budget, contract administration
- Audit pre-mobilize meeting to all crews before travelling to offshore.

#### **Offshore brown field Construction and Benchmarks**

- Daily monitoring of a project is setting benchmarks to monitor progress in FECON report.
- Identify the project is on target to finish on time and within budget.
- At times of uncertainty may be relied upon for superior knowledge of the specific problems.
- Facilitates the resolution of issues and conflicts that may arise during the project life cycle
- Reviews project plans and validates against all other plans to proactively identify potential conflicts with FEOCC.
- Function loop test and commissioning focal point for all contractors and project manager, construction engineer.
- PSSR focal point to hand over to operation
- Track and report project progress, budget, and schedule status to internal and external clients as requested
- Ensure compliance with legal, regulatory, audit, safety, and environmental issues
- Manage hand-over and quality management of the responsible project.
- Responsible for crane operation for construction including all lifting rigging ,all lifting gears training and competency evaluation.

#### **Budget Management for brown field and green field project**

- Budget planning and monitoring of the project. To avoid going over budget with FEOCC should consider continually forecasting, keeping the team informed of forecasts, changes and manage the scope meticulously, so knowing the costs for unplanned construction work or resources.
- Making sure that the project is completed within a financial budget

### **Planning and Time Management**

- Ensure that projects are completed within set timeframes (Reach iOEP target)

### **Communication**

- Ensuring that all stakeholders are aware of the project's progress

Company Facility Representative

Facility Engineering Offshore Construction Coordinator

FEOCC Benchamas ,Tantawan (B8/32)

Jan 2011-Feb 2013

FEOCC SATUN / FUNAN

March 2013 – March 2016 - Gulf of Thailand

### **Function Responsibilities**

#### **Offshore Efficiency Program**

1. Lead of PDCA and built up KAISEN culture program an implementation to offshore construction crews.

2. Minimize resources management and minimize construction crews become to multi skill culture.

#### **HESQ**

- Lead of HESQ build up culture project implementation.
- Control and mitigate hazard concerning operation and construction discipline.
- Takes the leadership role in safety through active participation and focal point in Behavioural Based Safety Program(BBS) and frequent worksite safety observations, to install a safe work practice to all construction crews.
- Ensures and enforces safety standards and requirements. Key role in advising and mentoring to all crews on safety practices.
- Participates in and advises on the Frequent Inspection Program (FIP) for both projects and marine vessels within FE use. Review team participant for incident investigation (IIR).
- Participates/endorser of HA/JSA and SIMOPs

#### **Operations & Maintenance**

- Concentrate steam boiler and thermal efficiency for crude oil operation.
- Work with booster compressor team to maintain as operation crew requested both of remote platform and CPP.
- Control and follow up the CM work order and TPM schedule for all maintenance as requested.
- Work under rig floor(URF) for hook up and commissioning(HUC) both of piping and IE work.
- Corporate with completion group (COG) for platform preparation for Rig less , Hydraulic work over. Also coordinate with wire line service for SIMOP.
- Works with Maintenance Operation Team (MOT) for pressurize or depressurize process pipeline for maintenance and replace valve and control equipment in oil & gas remote platform and CPP.
- Corporate with marine control to planning the project shipment, equipment, pressure parts and flow line piping to repair, replace both of remote platform and CPP.
- Contact and corporate with Asset Integrity Team to receive the flow line inspection data to work with production and planning to fabrication onshore and plan to replacement during platform shutdown

- Works with daily operations for productivities concerns and other facility engineers in solving operational problems that may arise from project clashes. Acts as front line resource for troubleshooting problems and solution recommendation.
- Attends operational meetings offshore to ensure conflicts are avoided and work is efficiently performed between operations and FE. Reacts to resolve scheduling conflicts with other groups.
- Acts as principle offshore coordinator in all FE Shutdown execution phases.
- Coordinates offshore commissioning activities between operations and FE
- Involve new oil & gas platform after Rig move out and involve all activities for first production on time schedule.
- Involve and support asset integrity team to pipeline inspection and follow up the report result with plan to problem solving.

#### **QC Responsibilities**

- Perform inspections of purchased parts, subassemblies or finished products according to criteria using standard physical, mechanical and/ or electrical measurements.
- Rework or reject subassemblies or finished products as required.
- Conduct and document process and system audits using written procedures as audit standards.
- Accurately document the results of the inspections and testing.
- Maintain all controlled document files and test records in a timely and accurate manner.
- Coordinate calibration of all test equipment and fixtures
- Monitor critical equipment and instrumentation to ensure proper operation and calibration.
- Participate in the construction and/or revision of SOP for the inspection function.
- Assist in the writing and updating inspection procedures, protocol and checklists.
- Evaluate problems and make initial recommendations for possible corrective action to supervise.
- Work with production management to provide feedback to assemblers regarding accuracy of assembly procedures.
- Perform review of device history records and other documentation for compliance to established procedures.
- Administer and monitor QC compliance with QC representative.
- Coordinate resolution of conflicts
- Administer and monitor QC inspection, sampling, testing and reporting
- Identify QC inspection, sampling & testing requirements
- Identify potential QC problem areas
- Nonconformance report and corrective and preventive action

#### **QA Responsibilities**

- Set up meeting and audit programming for “Fit For Purpose”
- Suggestions and approve the template and standardization of all documents.
- Audit the quality process and system assessment follow up “Maturity Level”
- Periodic assessments performed and on site assessments conducted.
- Evaluating the contractors or suppliers quality control plan to ensure that it meets or exceeds the requirements.
- Reporting observations and test results as the work progresses.
- Consultations with all staff to lead the development, implementation and review of the Quality Management System to ensure regulatory requirements are met and best practice is achieved

### Operational Excellence

- Follow up the tenet of operation.
- Conduct to monthly OE meeting with all crews
- Working on site observed for all crew and bring the lesson learn to update HA/JSA
- Operation and construction audit to ensure all compliance are implemented.
- Drive and sharing the lesson learn and standardization of operational best practise.
- Develop and implement mindset and behaviour for high quality work performance , Ownership , commitment and implementation

### Technical and Troubleshooting

- Troubleshooting of operational problem to operation in a timely and safe manner in order to avoid any interruption to the production to achieve the target.
- Implement the work order from RBI with participant the inspection and follow up by priority set up.

### Construction Planning and Supervision

- Implements, monitors and reports daily construction activities.
- Project construction work for remote platform, FPSO and FSO including pressure vessel, boiler and heat transfer.
- Well hook up and commissioning (HUC) new well and pigging operations.
- Works with Construction Engineers and Construction Supervisor to review project data to enhance estimating, improve designs, constructability and resource utilization efficiency of offshore work.
- Coordinates all construction work in fields with attention to implementation, conflicts, schedule and POB.
- Reviews construction schedule, to coordinate upcoming projects with offshore teams for maximizing crew size and efficiency. Works with Onshore Area Coordinator to ensure vessels, divers and other specialty contractors are identified for upcoming work. Insures contractor equipment and manpower tracked during construction.
- Ensures specifications are provided to offshore personnel as required for project execution.
- Ensures project close-out information, documentation and as-built are completed and turned over to Project Manager.
- Commissioning focal point for all parties concern.

TESCO ENGINEERS COMPANY  
(PTTEP S1 oil & Gas field Main Contractor)

2007- 2010

### **Project Manager**

Responsible and control for overall plant & fabrication shop activities at S1 onshore oil & gas field project , project planning ,budget control for Construction, Maintenance, oil & gas terminal and take in charge for procurement and materials stock , loss control program (SSHE) with all safety team.

### **Key aims**

- 1.To ensure that all SSHE goals are achieved and where possible exceeded.
- 2.To ensure that all operation personnel on the operation are aware of / implement for lean manufacturing and safe working practices / procedures and are provided with a safe working environment.
- 2.Deliver a high standard capability on the operation ensuring a consistent and efficient approach is implemented at all times.
- 3.Implementation of a continuous improvement philosophy(Six Sigma) across the operation function, delivering best practices at all times.

4. Management and support of all operation (production, engineering & maintenance) personnel with the procurement system and MAXIMO (CMMS)

5. Individual test run and Commissioning phase.

6. Hand over to operation.

#### **Function Responsibilities**

1. Establish the safety activities program, rule for control LTI, Near miss accident and etc. environment –health, surveillance audit follow up ISO14000 , ISO18000 with PTTEP and follow up daily activities with safety officers.

2. Organization change (Lean organization) with the remuneration package system of each level with the evaluation system. Train all staff for change the management style from top down to collaborative and strategic planning , follow up and evaluation plan including customer relation management.

3. Commercial for business expansion and approach the opportunity of company business. Planning and control all project expenditure (CAPEX/OPEX) with the time management and procurement system approach for bidding.

4. QA/QC management for all welding procedure , WPS, PQR, WQT, Hydrostatic test (ASME B31.3 para.341,345.4,345.7,345.9), all NDT, blasting & painting ,pigging and purging. Follow up the specification procedure API1104, AWS A5.13, ASME B31.3 ,ASME 31.4, ASME 31.8 ,ASME 31.11, ASME B16.9, ASME 36.9M-1985, A380 .

- Implement the QA/QC management system at site
  - Coordinate with quality inspections with all the site sub-contractors and vendors coordinate all nondestructive testing on site
  - Coordinate with the customer representative on all quality matters
  - Coordinate all receipt inspections
  - Distribute relevant QA/QC documentation to site subcontractors
  - Verify that the quality related site activities are in accordance with the applicable codes and standards
  - Participate in the site internal and external site audits
  - Coordinate all the quality site inspections through the site QC inspectors
  - Ensure all quality control documentation is compiled and completed for as-built hand over through the QC turnover engineer
  - Control all nonconformance reports and undertake remedial action
  - Complete site quality control instructions and action remedial responses
  - Review the customers specification and undertake relevant training to the site QC inspector
  - Monitor the implementation of the approved site QC Plan
  - Complete and coordinate the approval of the sites QC technical submittals to the customer
  - Coordinate with the PTTEP site construction manager on all quality issues coordinate and chair the QA/QC site weekly meetings with the projects subcontractors QC personnel
  - Elaborating inspection and test programs
  - Assure all technical documents relative to site quality control are current status
5. Set up audit plan and audit as plan to sub-contractor to follow up the specification and procedure requirement. Implement nonconformance report and corrective and preventive action
6. Control the CAPEX and OPEX for whole operation / installation work and report to Financial Director



- 7.Civil work for earth removing, back fill, concrete reinforcement for well cellar ,shale checker . concrete platform (320 KSC),operation for substation building , concrete platform , piling follow up the PTTEP standard requirement with the third party verification.(PTTEP' s representative)
- 8.Installation the dehydration plant with process pipe, pump, gear box , hydro cyclone unit and all pressure vessel. Installation fire protection network for all oil & gas facilities.
- 9.Fabrication the steel structure for plat form ,clued oil tank and accessories. Steel fabrication, Process piping, Flow line pipe for crude oil and injection water. Flow arm for all well heads at SIRIKIT oil field. Piping work design and operation for serve the flow line from well head to trap base and to main flow station with the quality control reference. API 1104, AWS A5.1 3 , ASME B31.4 ,ASME B 31.8
- 10.Serve the new project from PTTEP to support the RIG at the new well locations and protection projects to all well head locations.
- 11.Promote to safety activities on site and keep record.
- 12.Under ground and above ground pipe line for gas and crude oil from all well to main flow station.(Earth work and right of way preparation, excavation and back filling)
- 13.Civil construction for trap base and new well head location(shale shaker),earth moving and land preparation for all well site.
- 14.Pressure vessel fabrication for pressure tank and knock out drum for dehydration plant.
- 15.Fabrication for mobile test unit, separator tank and vessel support for individual well site.
- 16.E&I installation ,calibration, solar cell power supply 24 volt for all instrument equipment.
- 17.To constantly review progress and monitor programs, updating the latter when necessary in conjunction with PTTEP.
18. Co-ordinate a weekly and monthly meeting basis on all progress matters and problem areas , SSHE with PTTEP.

#### **COMPLETION OPERATION PRINCIPLE TRAINER**

- 1.Basic Principle of hydrostatic Pressure.
- 2.Basic tools strings
- 3.Wireline Unit (Winch)
- 4.Power Packs

#### **ACHIEVEMENT : SSHE GOALS WITH PROFIT TARGET AND BUDGET CONTROL**

**Plant Location : Lankrabue Kumpangpet (S1)**

Great Central (International) Co.,Ltd.

01/2006-02/2007

Working in Japan

#### **Project Operation Manager (1 Year Contract )**

**SHE Representative**

**QA/QC Manager**

**Plant & Construction Management for:**

1. Study the SHE regulation for working environment in JAPAN .
2. Commercial and procurement and contract management with the Japanese business company for find out the whole sale steel manufacturing plant.
3. Set up the task schedule with the budget control ,SHE team for working with transportation ,shipping and legal office coordinator.

4. Civil construction of the port for load-unloading the steel coil. And factory building(Earth work and land fill preparation with piling work for factory constructed)
5. Set up the safety rule and team for create the loss control program, in charge of EIA and public relation.
6. Responsible for the all rotating machine and stainless cold rolling process machine relocation from Nippon steel Sagamihara Japan to Samuth Songkram Thailand.
7. Maintenance of Japan machine process, revamping, repair and overhaul the rotating machine such as compressor, generator, rolling mill (ZRM), Solar turbines and boilers.
8. Set up the new project and 115 KV substation and bidding for cold rolling process.
9. Prepare and control CAPEX and OPEX
10. Prepare the bid for contractor and contact to suppliers for new machine from Austria and French. Control the specification for process fabrication and civil construction control.
11. Set up the procurement and logistic contract system.

Guardian Industries Rayong Co., Ltd.

01/2002 – 12/2005

### **Engineering and Technical Division Manager**

QA/QC Manager (QMR)

Loss control leader – Coordinate with Corporate SHE in Detroit Michigan

Loss control responsibilities

- 1.The causes and effects of loss
- 2.Managing control of loss
- 3.Motivation
- 4.Accident/Incident Investigation
- 5.Incident recall and incident imaging
- 6.Planned Inspections
- 7.Task Analysis and Procedures
- 8.Planned Task Observation
- 9.Loss control training
- 10.Group problem solving and communication
- 11.Occupational Health
- 12.Environmental Management
- 13.Lean manufacturing and six sigma solving

Management :

1. Productivities achieved with the company target and profit.
2. Achieved for zero accident and loss control for SHE and waste control.
3. Procurements & Fabrication and construction for the new steel structure for the float glass furnace and N2 plant facilities including N2 pipeline for increase the productivity. Follow up quality control AWS A5.1, ASME B31.3, AWS D1.1
4. Sulfuric acid tank fabrication and installation 6x80 m3(Land fill site preparation and compacted)
5. Planning and budget preparation for Commercial & Plant expansion of the coating project.
6. Control and prepare CAPEX / OPEX and time schedule .
7. Head of Loss control program for all plant activities and corporate with the head quarter in Detroit Michigan USA.
8. Change agent for organization development and coaching for team and evaluation.

9. Creating automatic inspection on line project with Innomess Technology in Germany
10. Coating line expansion construction project for Carlton plant Detroit Michigan USA.
11. Installation the 12 robotic arm for flat glass packaging project at Lodio plant Bilbao SPAIN
12. Maintenance for all (8 pole discipline)float glass process including the rotating equipment for power generator(Caterpillar 4 Unit) and centrifugal pump ,deep well pump, fire protection and jogging pump.
13. Lead of MAXIMO(CMMS) system program for set up and control for preventive maintenance ,spare part , inventory , purchasing and level authorization.

Air Products & Chemical Inc., (APCI, USA) 11/1996 –12/2001

**Construction & Operation Representative –Asia Pacific(Project Manager)**

QA/QC Site Representative(lean Organization)

SHE Site Coordinator

**Function Responsibilities**

**SHE Responsibilities**

- 1.Study all regulation and law of each country ,each location of the work place.
- 2.Planning and budget control for all project activities with safety and environment plan
- 3.Collect and analyze data and statistic, then write a report on the safety and environment of the workplace.
- 4.Investigate the cases of accident, injury, illness caused by the workplace ,then write the report on the case with solutions.
- 5.Observe the legality ,rule and regulation and standards of safety and environment of the work place.
- 6.Consultant and advisor on safety and environment of the work place.
- 7.Support the activities concerning safety and environment of the work place. coordinate with other related departments, including those in and outside work location on safety and environment of the work place.
- 8.Share and corporate the information with corporate safety in Singapore office and Allentown office.
- 9.Business procurement & commercial with local partner for bank loan and business expansion .
- 10.Project Management with loss control for pipeline , gases separation and power plant in regional country
- 11.Responsible for process safety such as HAZOP and MOC for the plant operation.

**QC Responsibilities**

- Elaborating and coordinating the welding specifications, and codes/standards
- Coordination with the field subcontractors for all welding procedure specifications and procedures qualifications reports
- Review course and effects of welding defects and take remedial actions
- Coordination with the field subcontractors and the Third Party NDT Inspection Company
- Review of the radiographic film and all NDT reports on a daily basis
- Auditing of the approved Third Party NDT Inspection Company

- Reviewing the inspection and testing methods and procedures for Radiographic, Dye Penetrant, Magnetic Particle, and Ultrasonic inspections
- Witnessing of welder qualifications testing and procedures qualification testing
- Witnessing any remedial repair welding
- Reviewing of the welding summary reports
- Checking the hydrostatic test packages for NDT compliance prior to testing
- Advising the site subcontractors with regards to welding and testing
- Monitor any Post Weld Heat Treatment on site and review the completed test reporting
- Selection of welds for nondestructive testing
- Recording and listing of defective welds
- Monitor the control and issue of welding electrodes
- Control the QC site welding inspectors
- Actively monitor site radiation safety
- Review day to day applications for x-raying of welds
- Coordinate the issue of nonconformance reports through the site QC manager
- Compete site quality instructions to sub-contractors when required

#### **QA Responsibilities**

- Set up meeting and audit programming for “Fit For Purpose”
- Suggestions and approve the template and standardization of all documents.
- Audit the quality process and system assessment follow up “Maturity Level”
- Periodic assessments performed and on site assessments conducted.
- Evaluating the contractors or suppliers quality control plan to ensure that it meets or exceeds the requirements.
- Reporting observations and test results as the work progresses.
- Consultations with all staff to lead the development, implementation and review of the Quality Management System to ensure Regulatory requirements are met and best practice is achieved

#### **A. Project procurement and construction for gases pipeline for**

1. MIG pipeline 72 km. length underground with 4 line for 16”O<sub>2</sub>, 12”N<sub>2</sub>, 8”H<sub>2</sub>, 4”Ar
2. Gresik gas pipeline project in Indonesia 62 km. length underground .
3. Thainan gas pipeline project in Taiwan 56 km. 8”stainless steel pipe for N<sub>2</sub>
4. Pasadena pipeline project in Houston TX,USA 45 km. length 4 line for 16” O<sub>2</sub>, 12”N<sub>2</sub>, 8”H<sub>2</sub>, 4”Ar
5. Gas pipeline 16” with booster pump from Austin TX to Louisiana USA
6. Earth work for right of way excavation and back filling after pipe completed for all underground pipe line project.
7. Commissioning pipeline and all metering station with hand over to local operation.

#### **B. Project procurement and construction for gas and air separation plant for.**

1. Air and gas separation plant for United Air products in Indonesia with structure fabrication for gas platform.
2. Air and gas separation plant for Air Products Singapore in Purasakla island.
3. Air separation plant for Allentown USA. water treatment capacity
4. Hyco plant for produce H<sub>2</sub> and CO with fully automatic plant at Pasadena TX,USA.
5. Renewable cold boxes for gases separation plant project in Rio De Janero Brasil
6. Joint venture between Air Products & chemical Inc, and Japan Gas company for air
7. Separation plant construction supply for steel making plant at Hikari Japan
8. Site preparation for earth moving and land fill and concrete slab work for construction.

9. Pressure vessel fabrication for separator and knock out drum for dehydration offshore module with steel structure frame and support
10. Plant commissioning and hand over to local client.
11. Preparation CAPEX/OPEX for BOD approval and control for the all expense for project and operation.

#### C. Power plant project

1. Overhaul & maintenance with installation solar turbine 10 MW , Taiwan
2. Maintenance combine cycle 50 MW for Gresik industrial estate in Indonesia
3. Removed and revamping the steam turbine 2 unit (Mitsubishi)50 MW including all rotating equipment such as turbine pump , high speed pump from military service in Japan and re-installation for steel plant in Indonesia.

All the project reference the quality by AWS A5.1,A5.2,A5.28 , AWS D1.1/D1M:2004 , ASME B31.3,B31.4,B31.8 , API 1104.

Rayong Refinery Co., Ltd.

03/1995 – 10/1996

#### **Assistant Head of Mechanical Workshop (1 Year Contract )**

Project and maintenance management for Refinery

1. Earth moving and land back filling for level setting for construction preparation
2. Planning and scheduling for construction the hydro cracker unit.
3. Construction crude oil pipeline from jetty to tank farm and tank farm to refining process.
4. Installation all reciprocating pump for refining process and fire protection pump, boiler and heat recover for turbine.
5. Responsible for all repair and maintenance in refining process and workshop including handling testing and simulating, rotating equipment, high speed pump such as Sunflow and Sundyne pump .
6. Responsible for all spare parts, purchasing, specification control, delivery, quality and inventory management by SAP
7. Installation and set up gas turbine and inspection with GE expatriates for solving engineering problem day to day activities.
8. Fabrication the steel structure for platform for all plat former of refining process.
9. Prepare for pre-commissioning for platformer and hydro cracker unit.
10. The quality control reference API 1104 , ASME B31.3 , B31.4 , 31.8 , AWS A5.1 and all NDT

Thainox Steel Co., Ltd.

03/1992 – 02/1995

#### **Operation & Project Engineer**

Project Management for Stainless Steel Cold Rolling Project.

1. Project planning and review the budget for plant construction and installation.
2. Earth moving for land preparation with water reservoirs excavation for industrial park.
3. Construction the plant concrete foundation for all process machines and factory building and all plant infrastructures , steam boiler for APL
4. Responsible for project management of new plant including handling equipment , steel structure fabrication, erection for process plat and controlling all contractors for piping, civil work for main sub-station 115KV including switchgear installation and control as well as handling machine installation.
5. Taking charge of BOI requisition including all permits for construction start up
6. Head of firefighting team and safety control.

7. Section head of mechanical maintenance and responsible for all mechanical function in repairing and preventive maintenance of process equipment and boilers for pickling line process. Including for all rotating equipment such as cold rolling mill ,power generator, centrifugal pump , boilers and high speed pump.
8. Training for stainless steel process in France 4 month with USINOR GROUP

Alcan Siam Co., Ltd.

1988 – 1992

#### **Assistant Maintenance Superintendent / Project Engineer**

1. Responsible for overall project management function including handling designing and installation of fire protection network, retaining wall and installation of SACMA – cut-to-length for aluminum foil and sheet projects
2. Take in charge of all mechanical and utility maintenance and project for handling equipment, rotating machine such as compressor(Pennsylvania), hot rolling mill, melting furnace, preheating furnace, annealing furnaces, cold rolling mill, foil roughing mill, foil finishing mill, separator machine, material handling, water treatment, environment control and air compressor.
3. Responsible for all rotating machine (O&M) such as hot & cold rolling mill high speed pump for cooling system and sludge pump including maintenance and trouble shooting.

Consultant Activities: Steam engine for rice husk furnace power plant 250 KVA for support the rice mill facilities at Kamphangphet province. And set up the Bio-mass power plant design.

1. Inspector representative for Mr. Art Savakul from Bechtel International Co.,ltd for PTT gas separation plant project Rayong and pipeline from gas separation plant Rayong to Wangnoi Ayuthaya , sphere tank for LPG , Follow up the specification of API 1104 , ASME B31.8 and NDT process
2. Overhaul gas turbine(Babcock) combine cycle for EGAT Rayong Thailand

THANK YOU FOR YOUR KIND CONSIDERATION

With Kind Regards,

ANAWACH SAENGSAWARNG