



YEARS EMPOWERING
OPPORTUNITIES
IN MYANMAR



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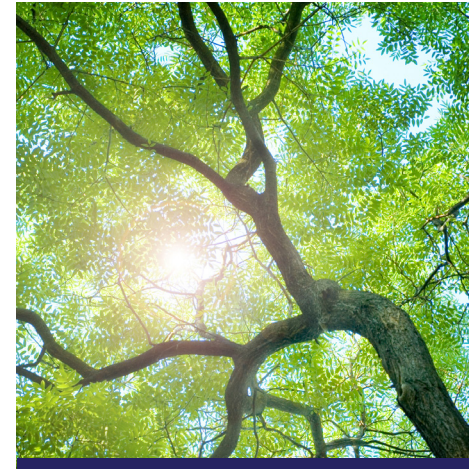
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Foreword





“Early on in 1989, PTTEP invested in its first overseas venture in Myanmar, a testament to the value we see in our neighboring partner and a place we very much consider as home.”



CEO Foreword

This year marks an extraordinary milestone for PTT Exploration and Production Public Company Limited (PTTEP) — thirty years in Myanmar.

Early on in 1989, PTTEP invested in its first overseas venture in Myanmar, a testament to the value we see in our neighboring partner and a place we very much consider as home.

At PTTEP, we are dedicated to sustainable development while ensuring reliable energy for current and future generations to come. More importantly, we are passionate about empowering opportunities in the places where we do business and creating a positive impact to the wider society, economy and environment.

Today, PTTEP is involved in 7 projects in Myanmar, employs and provide professional capacity building to over 280 local staff.

Zawtika is one of the largest gas development projects in South East Asia, located in the Gulf of Mottama, approximately 300 km southwest of Yangon. Zawtika is very important, not just in terms of its scale, but also because of the boost

that it will provide to domestic gas production during a time of economic growth and increasing energy demand both in Myanmar and Thailand.

We are deeply privileged to have the opportunity to reach the lives of thousands more through our numerous CSR programs. Whether it is providing mobile health checks in rural areas, granting scholarships for higher education or supporting local monasteries through offerings and donations, we believe we can do well by doing good.

We value our institutional relationships with the government and local stakeholders and are honored to have received the Ministry of Planning and Finance's Top Three Highest Taxpayer Award in 2018 for the third consecutive year.

These are just some highlights I am delighted to share with you as we celebrate PTTEP's past, present and more importantly future in Myanmar. In the coming pages, we commemorate the pioneering spirit of those who established PTTEP's foundations here three decades ago. We will also share some of the exciting initiatives we are working on today to chart our vision for

the future while we continue to work each day towards raising the quality of life and propelling the security of Myanmar's energy forward to meet the ever growing economy.

We wish to express our sincere gratitude to our local partners — our teams on the ground, government and non-governmental organizations, businesses and the communities we serve — as we stand with you as the "Energy Partner of Choice", committed to empowering opportunities for a better future for generations to come.

Thank you.

Phongsthorn Thavisin

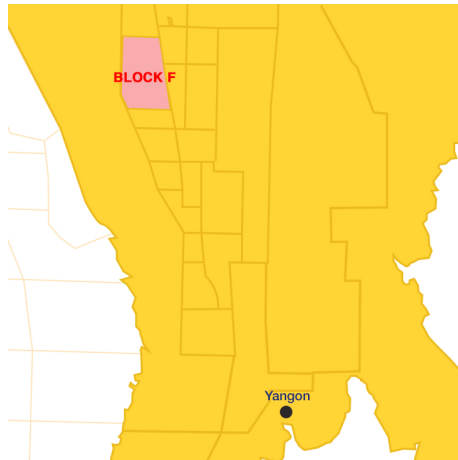
President & Chief Executive Officer, PTTEP

Milestones





Milestones



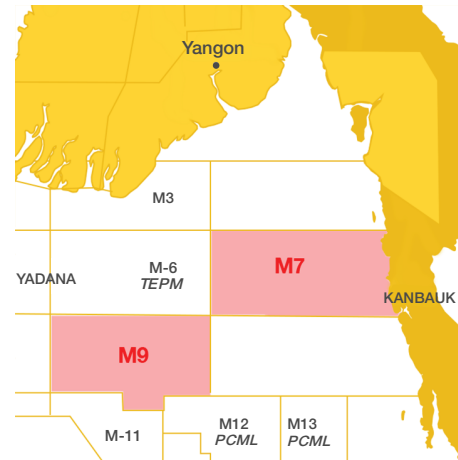
1989

Participation in exploration of block F



1996

PTTEP International Ltd (Yangon Branch) established



2003

Signed PSC for blocks M7 and M9



2005

Signed PSC for block M11

1995

Joint Venture in Yadana project



1997

Joint Venture in Yetagun project



2004

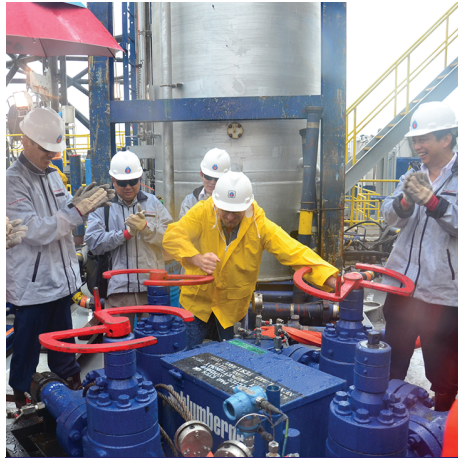
Signed PSC for blocks M3 and M4



2007

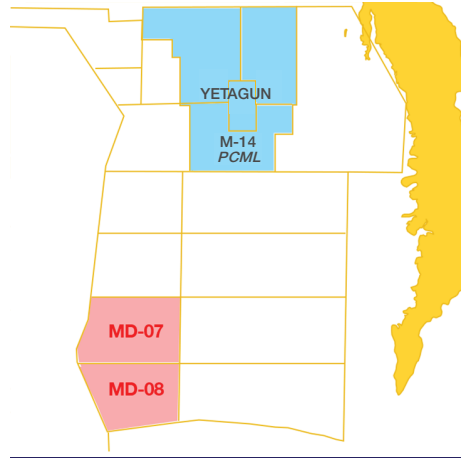
Gas discovery in block M9





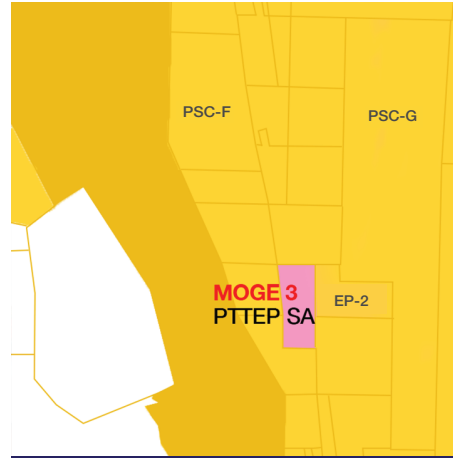
2011

↳ Gas discovery in block M3



2013

↳ Signed PSC for blocks MD-7 and MD-8



2016

↳ Exploration for block MOGE 3



2018

↳ Completed the development of Zawtika project Phase 1C

2012

↳ Signed PSC for blocks PSC G and EP 2



2014

↳ First gas from Zawtika field delivered to Myanmar and Thailand



↳ Signed PSC for block MOGE 3

2017

↳ Development of Zawtika project Phase 1C



2019

↳ 30th Anniversary of PTTEP in Myanmar



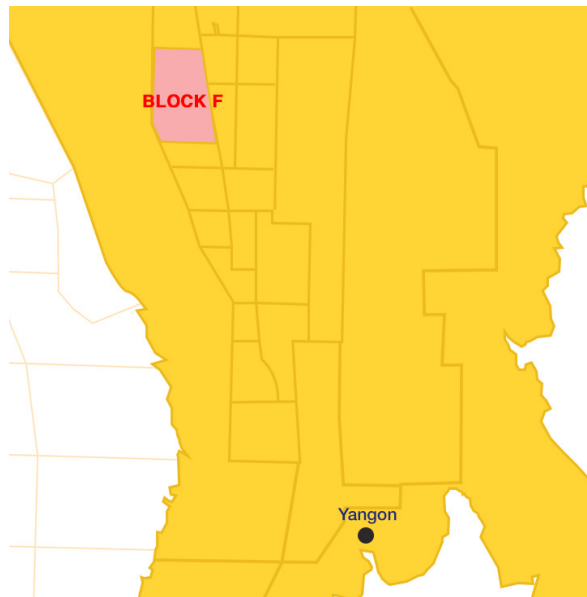
The Beginnings of PTTEP in Myanmar







The Beginnings of PTTEP in Myanmar

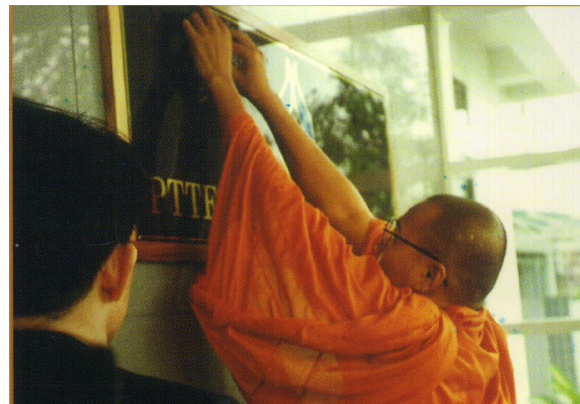


PTTEP is a Thai national petroleum exploration and production company dedicated to providing a sustainable petroleum supply to the countries it operates in. PTTEP is driven by the vision to be the “Energy Partner of Choice” through Competitive Performance and Innovation for Long-term Value Creation.

A historic chapter of petroleum field development began when PTTEP invested in Block F exploration in 1989 and subsequently invested in Yadana Project

and Yetagun project in 1995 and 1997 respectively. The highlight of our investment is the Zawtika project which continues to be a success today.

PTTEP owes many of its success to the support and guidance of the government of Myanmar as well as local stakeholders amongst which include the Ministry of Electricity and Energy, Myanma Oil and Gas Enterprise, Myanmar Engineering Society as well as communities.



Dr. Tongchat Hongladaromp, Advisor to the Board of Directors, PTTEP



The decision to invest in Myanmar was made some 30 years ago, and it was brought about by a series of coincidences that came at just the right time for PTTEP and for Myanmar. During that period, Myanmar itself had first begun to open its doors to the world, seeking international partnerships. PTTEP, at the same time, had built up a petroleum exploration and production (E&P) knowledge base and gained a foothold in its own Thai market and was looking to expand the scope and reach of the business.

With the geographical and cultural proximity and abiding faith in the close relationship between the 2 countries, it was no doubt that PTTEP would

always look for opportunities to develop partnerships with our closest friend, therefore PTTEP forged ahead with the decision to invest.

PTTEP's tasks in Myanmar are not only to search for and to find energy resources, but there is a duty to create a win-win partnership that will allow both parties to not only grow but also prosper. In the case of Myanmar, it is an understanding, a consciousness that PTTEP is helping to lay down foundations that will help to power the long term development of the country and through the development of our Myanmar staff, create a modern and capable work force.

PTTEP believes that human capital is one of the most important factors that drive PTTEP's business towards success. Upon becoming operator of the Zawtika project, PTTEP has been able to take a more hands-on approach by investing significantly in the development of skilled talents in Myanmar, ranging from providing training both in Myanmar and overseas, awarding scholarships to on-the-job training for Myanmar personnel in Thailand. This is to ensure there is a sustainable growth of skills and human resources for future developments.



“PTTEP would not have achieved these milestones without the valuable support from the Myanmar government, MOGE and its people, which are truly appreciated.”

Success on the journey of growing PTTEP business as well as our Myanmar people today elevates Myanmar to become one of the most significant countries for PTTEP’s business growth.

In spite of all these efforts, PTTEP would not have achieved these milestones without the valuable support from the Myanmar government, MOGE and its people, which are truly appreciated. This commitment and support that PTTEP has been receiving has in turn given PTTEP the confidence for further investment in Myanmar. In conjunction with this 30th anniversary, we do hope our partnership will continue to flourish for a brighter future together.





“PTTEP is committed to investing in Myanmar not only in the up-stream business but also along the value chain in the near future.”

Mr. Prajya Phinyawat, Chairman of the Board of Directors, PTTEP



We live in a world that is constantly changing. The partnership between Thailand and Myanmar has also evolved from when we first started out. As Myanmar develops, PTTEP can contribute to supplying sustainable energy to Myanmar from our existing projects in Myanmar itself and if required, from other parts of the world in the form of natural gas, and LNG supply.

At the same time these changing dynamics present new opportunities for PTTEP as a long-term trusted partner to contribute further in Myanmar. PTTEP's approach to the oil and gas industry will need to be geared towards driving value across the supply chain, which has given rise to PTTEP's "Gas to Power" strategy which envisions PTTEP supplying not only natural gas but also electricity in some of our projects.

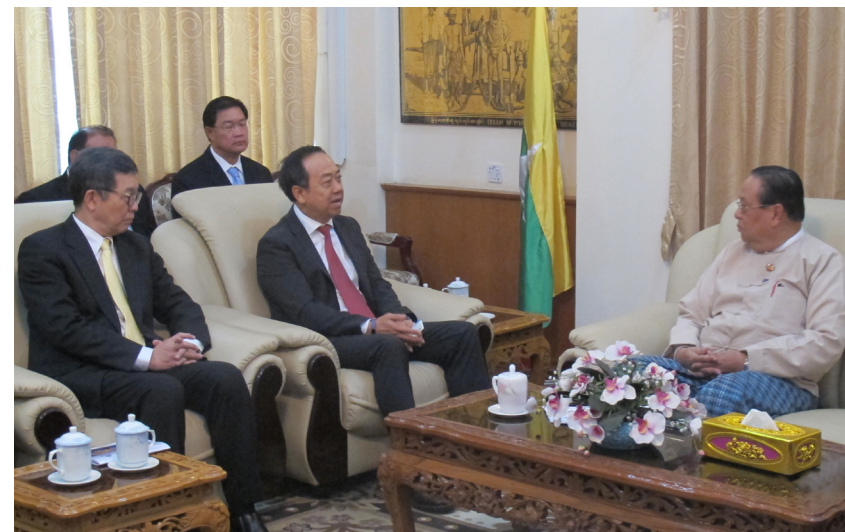




To address these changes, there needs to be a vision developed and to put in place a “Succession Plan System” for PTTEP because the quality of leaders and the way PTTEP manages the transition of leadership is absolutely critical to the success of the organization. The business in the near future can no longer focus on up-stream E&P (exploration and production) alone but will need to drive the growth of the entire value chain of energy. These changes in turn needs a new generation of leaders that are equipped with a different mindset, background and skills for which PTTEP is actively building now.

We are confident these changes can be achieved and continue to be inspired by our Thai team’s ability to independently manage a project like the Zawtika project, one of the jewels for PTTEP and one of the most successful projects outside Thailand. Where PTTEP successfully leveraged the experience gained in Thailand and adapted them for a Myanmar context. Simultaneously, PTTEP is training and developing the next generation of Myanmar team to drive the changes in the organization and operations.

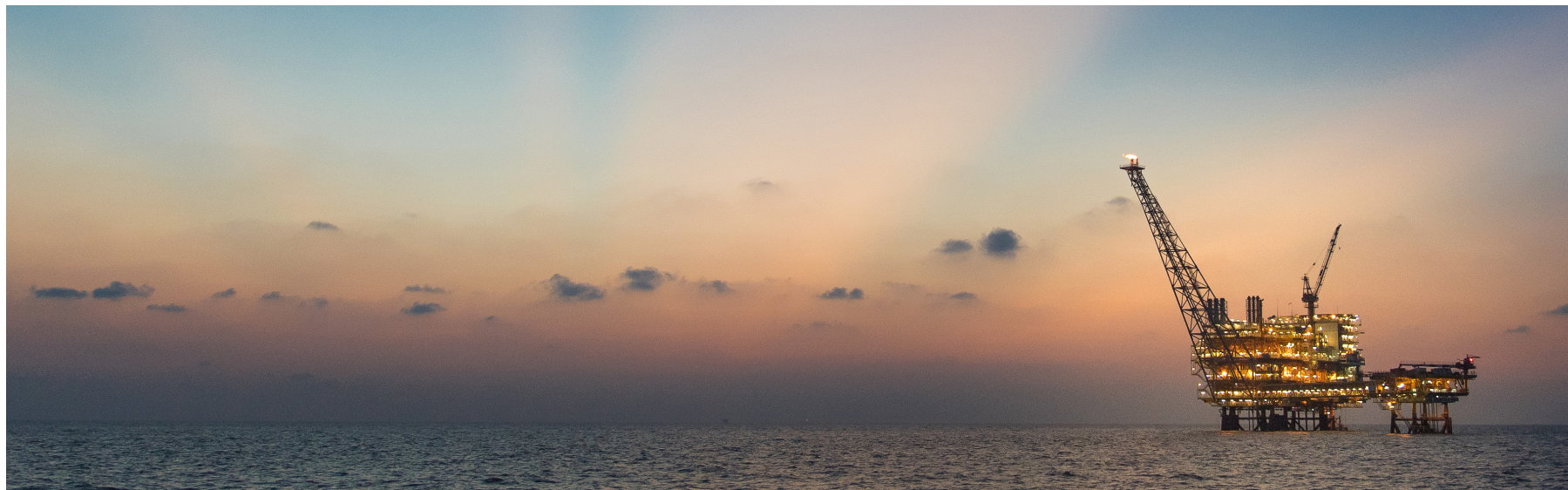
Myanmar remains the first priority for PTTEP given the very good relationship with the Myanmar government, MOGE and its people. PTTEP is committed to investing in Myanmar not only in the up-stream business but also along the value chain in the near future. The changes will pose challenges but we are confident that the good relationship that we have with Myanmar will ensure both our countries continue to grow and prosper over the next 30 years to come.



Pride in the Gulf of Mottama







Pride in the Gulf of Mottama - The Zawtika Project

Located in the Gulf of Mottama, approximately 300 km southwest of Yangon, Zawtika is PTTEP's largest overseas gas production field and serves as a proud symbol of PTTEP's past, present and future commitment to Myanmar. Zawtika owes its success to years of meticulous planning, perseverance and the accumulation of knowledge and hands-on experience built up by our team and local partners over the decades.

The project is operated by PTTEP International Limited, Yangon Branch (PTTEPI), a subsidiary of PTTEP. PTTEPI holds 80% of the participating interest while its joint venture partner, Myanma Oil and Gas Enterprise (MOGE) holds the remaining 20%.

PTTEP employs the best of modern technology to ensure that its facilities are of the highest possible standards currently available in the exploration and production industry, without compromising any aspect of safety, security, health and environmental protection.

In 2014, the project successfully supplied its first gas production to Myanmar and Thailand. Currently, the Zawtika gas field yields a production rate of approximately 300-345 million cubic feet of natural gas per day (MMSCFD). Over 60 MMSCFD is transported via an onshore pipeline to the MOGE Gas Receiving Station to satisfy the need for power that fuels the economic growth of Myanmar in the areas of Yangon, Dawei and peripheral areas while the balance is channeled to Thailand.

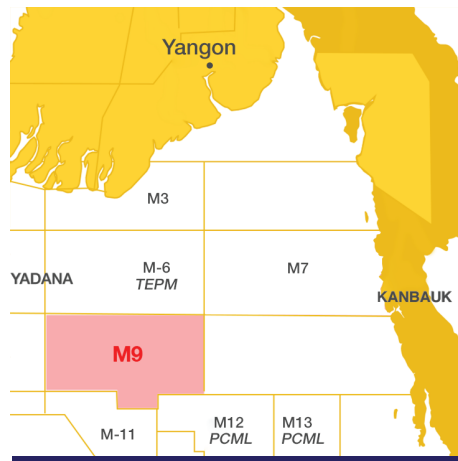
Recently, the Zawtika-24 well was successful in confirming the discovery of commercially proven hydrocarbon reserves. The well was spudded on 21 January 2019 and has positively shown proven substantial presence of hydrocarbons, with 152 meters of net gas sands, which was greater than the expected 41 meters. With these significant outcomes, the location of the well is one of the firm platforms for the next development campaign (Phase 1D) which targets to fulfill and prolong Zawtika's gas production.

**SIGNING CEREMONY OF
ZAWTIKA PROJECT EXPORT GAS SALES AGREEMENT
BETWEEN
MYANMA OIL AND GAS ENTERPRISE
PTTEP INTERNATIONAL LIMITED
PTT PUBLIC COMPANY LIMITED
AND
ZAWTIKA PROJECT AGREEMENTS**



Key Milestones of The Zawtika Project

The Zawtika project provides a wealth of opportunity not just for energy security in Myanmar and Thailand, but also through jobs, training, and a multitude of CSR initiatives that positively impact the larger society in the area. More importantly is the capability building which benefits Myanmar in the long run.



2003

↳ Signed a Production Sharing Contract (PSC) for M9 Block



2007

↳ Discovered natural gas in M9 Block



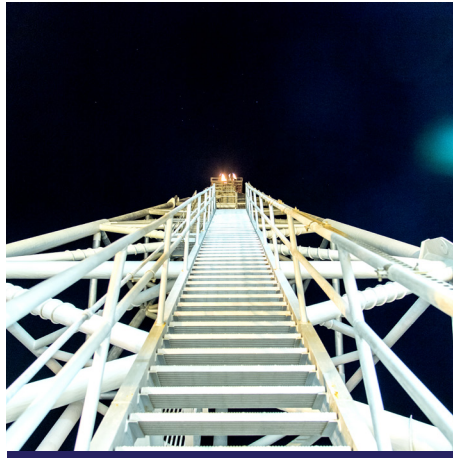
2009

↳ Ministry of Energy named the venture "The Zawtika Project"



2014

↳ First gas production delivered to Myanmar and Thailand



2015

▸ Completed installation of 4th Wellhead platform under Zawtika Phase 1B



2016

▸ Sanctioned Zawtika Phase 1C



2017

▸ Completed installation of 9th Wellhead platform of Zawtika Phase 1C



2018

▸ Completed installation of 8th, 10th & 11th Wellhead platform of Zawtika Phase 1C

The Growth of Zawtika

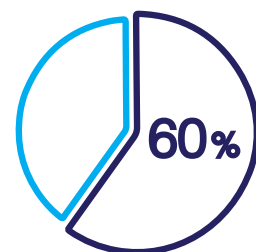
Zawtika reaffirms PTTEP's long-term approach to developing sustainable energy as it continues to develop and explore more wells in order to maintain its production and look forward to invest more in Myanmar's oil and gas sector.

NUMBER OF STAFF



Over 400

PROPORTION OF LOCAL TO FOREIGN STAFF



60% local staff

AREA OF INVESTMENT



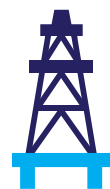
12,306 sq. km

OUTPUT OF NATURAL GAS PER DAY (CUBIC FEET)



345 million standard cubic feet of natural gas per day (MMSCFD)

NUMBER OF DRILLED WELLS



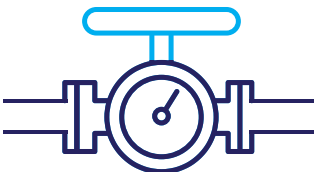
Over 150 Drilled Wells

QUALITY CREDENTIALS



2 ISO certificates
ISO 22301 Certification for Business Continuity Management
ISO 14001:2015 Certification for Environmental Management System

GAS SUPPLIED BY ZAWTIKA TO MYANMAR



30%

Information as of 2018



Mr. Phongsthorn Thavisin, President & Chief Executive Officer, PTTEP



Zawtika is PTTEP's largest overseas gas production field and serves as a proud symbol of our commitment to Myanmar. Once we committed to the development of the Zawtika project in 2011 with the Myanmar government, we had the huge task of delivering the project within 3 years in 2014, which is a short time. There were doubts about delivering it on time but the teamwork amongst our team made it happen. Key success of the Zawtika project lies in the attitude of "We believe we can do it" in both the Thai and Myanmar teams.

We relied on a lot of the lessons and experience we gained from managing the Bongkot project in the Gulf of Thailand in 1990s. The management of

the budget and time had to be controlled without compromising the safety of our people, which is always our top priority. The project had many similarities with our Bongkot project but also many different challenges owing to its location.

One of them was the installation of the onshore pipeline to link the source of gas to PTT. The locations which were separated by a mountainous terrain proved to be a real challenge. The pipeline had to be installed around cliffs or through mountains when the former was not possible, before reaching its destination. To overcome this, specialists from "Columbia" with experience of working on similar terrains were brought in to drive it.

The availability of logistics proved to be another obstacle. Due to the high prices of gas at that time, the demand of equipment for exploration and production personnel far outstripped the supply. Beyond costs, it placed immense pressure on the timing, quality and safety of the operations which the team had to manage diligently without any compromises.

The operations also had to make sure all its activities comply with national, local



“Key success of Zawtika project lies in the attitude of “We believe we can do it” in both the Thai and Myanmar teams.”





regulations and laws. However, where such guidance was not available, we were able to refer to our own and international standards of compliance. Again, our experience with Bongkot proved invaluable and provided us with guidance on how to move forward.

Despite the numerous and unique challenges on the Zawtika project, we managed to overcome them and this is also largely due to the strong support and guidance of the Myanmar government and people without which this success would have been questionable.

In the future, the productivity of the projects will be a key focus for us. When we first worked on the Bongkot project, it produced 150 million cubic feet per day and now the output has reached 900 million cubic feet per day, a six-fold increase. At Zawtika, our production output is 300 million cubic feet per day and our vision is to double the output to 600 million standard cubic feet per day.

This will help to drive the development and stability of the energy grid and in turn build towards the vision of the Ministry of Electricity and Energy of Myanmar to

ensure every Myanmar citizen has access to electricity. We are proud to be part of the journey with the Myanmar Government to drive progress within the country. The security and stability of the energy grid will no doubt serve as the foundation to propel and fast track Myanmar's progress into the future.

Today, we are really proud of Zawtika because the discovery and development were led independently by our own team. We believe in the future the Zawtika project will be driven largely by Myanmar personnel and supported by a few key

“ We are proud to be part of the journey with the Myanmar Government to drive progress within the country. ”

members from PTTEP. We have put in place a program to train our people to carry this kind of responsibility in the future. We also instituted the Individual Development Program (IDP) aimed at building up the competency of the Myanmar team. At this moment, we have about 15 to 20 people from Myanmar working in PTTEP Thailand office to fast track their immersion into the culture and ways of working. Our intention is for them to bring that experience back and further develop human resources for the oil and gas industry in Myanmar.

As a neighbour to Myanmar, we firmly believe in the collective progress and development of both our countries. We are committed to develop this industry via a collaboration that results in a win-win situation not only now but for the next 30 years to come.



Mr. Kanok Intharawijitr, Executive Vice President, Geosciences, Subsurface and Exploration Group, PTTEP



Petroleum exploration in the Gulf of Mottama is substantially different from the Gulf of Thailand and this presented a whole set of different challenges.

The new areas with potential meant that we had to do things differently and new prospect identification to ensure success. Throughout the whole process, we gained valuable insights and went on to establish a new knowledge base for the Gulf of Mottama which will no doubt aid us in future explorations.

A new operation philosophy for Myanmar was required due to the different geology. For instance, the gas production in the Gulf of Mottama involves a lot of sand mixed with the gas. We harnessed the gravel pack sand control technology to remove the sand from the gas before processing and this increases development cost.

The majority of gas in Zawtika is biogenesis gas while thermogenesis gas has also been identified in some area. The discovery of both sources of gases while exciting also means considerable investments for two different types of operations and skill sets required to properly extract them.

Only 40% of M9 area was explored and appraised. Gas accumulations in Zawtika tend to be distributed and spread out across a wide area. The prospects are quite small individually which is similar to the Gulf of Thailand hence require more exploration efforts.



“We leant on a lot of the development philosophy and experience from the Gulf of Thailand. ”

We leant on a lot of the development philosophy and experience from the Gulf of Thailand. The following were some of the other lessons that we adapted from the Gulf of Thailand;

- *Leveraging multiple small sand reservoir development and optimum well planning along the fault plane using high quality seismic*
- *High definition subsurface image using high resolution seismic data to identify petroleum accumulation. This is Gulf of Thailand practice.*
- *Implemented mono bore well design in Zawtika in order to lower well cost and separate high and low pressure well.*

On the occasion of this 30th Anniversary, we reiterate our commitment to using the best ways and latest technological advances to extract these resources in Myanmar in the safest way with minimal impact to the environment.



Empowering Opportunities







Energy Security

PTTEP is driven by the mission to provide energy security and sustainable value to all stakeholders. Now across all its projects in Myanmar, daily natural gas produced approximately 450 MMSCFD can fuel for both Myanmar and Thailand.

As both Myanmar and Thailand's economies develop and energy needs continue to grow, PTTEP is dedicated to ensuring reliable energy for current and future generations to come.



H.E. U Win Khaing, Union Minister, Ministry of Electricity and Energy



First of all, I would like to congratulate to PTTEP on the occasion of its 30th Anniversary in Myanmar and take this opportunity to extend my sincere thanks to PTTEP, a long-term trusted partner and friend who have demonstrated their expertise and commitment to Myanmar throughout 30 years.

Energy security and stability remain our key priorities and our vision is for every Myanmar citizen to have safe and secure access to electricity. We believe the establishment of this foundation will improve the quality of life for the masses whose lives are dictated by the availability of sunlight almost immediately while driving the productivity at the same time. We are firmly committed to realizing this vision and have made good progress with our partner PTTEP over the last 30 years and hope that we will continue to make great strides forward.







Knowledge Transfer

At PTTEP, we believe capability building is a fundamental part of our long-term success. As a local stakeholder, PTTEP is committed to build up a skilled pool of local talent here in Myanmar. Currently, about 60% of our Myanmar workforce is staffed by local talent and we aim to increase this number to 75% by 2023.

PTTEP is passionate about empowering our team and the people we work with by providing training and education to improve technical skills, soft skills and leadership abilities.

Through PTTEP's Individual Development Program (IDP), its employees in Myanmar are given the opportunity to receive on the job training for one to three years at our head office, operations (both offshore and onshore) as well as Drilling and Well Engineering in Thailand. Moreover, the company also provides a Development program for Oil and Gas Technical Skills to MOGE.

The company's support for education goes beyond those who work directly with us and also reaches the wider Myanmar workforce. In collaboration with the Ministry of Labour, Immigration and Population,

PTTEP initiated the Technical Capability Building and Development Program at the Skill Training Center in Yangon. Each year, hundreds of students receive technical training for skills such as Welding, Air-Con Installation and Electrical Training as well as the assessment of National Skills Standards Authority (NSSA). Beyond borders, our High Vocational Diploma (HVD) Scholarship Program enables Myanmar students to go to Thailand and undergo four years of vocational education including on the job training. There, they are enriched in skills such as English, Engineering as well as Personal Finance, Business and Entrepreneurship.

U Myo Myint Oo, Managing Director, Myanmar Oil and Gas Enterprise



I would like to take this opportunity to congratulate PTTEP on their extraordinary milestone in Myanmar. Over the last 30 years, we have had a good and significant working relationship. Suffice to say that the relationship was based on mutual respect and trust where both parties strive for a win – win situation.

PTTEP has used its expertise and experience from the Gulf of Thailand to expedite its E&P activities here in order to provide energy supply to Myanmar. Moreover, PTTEP demonstrated their commitment on knowledge transferring to Myanmar people. I can see the increasing number of Myanmar staff in

PTTEP's projects. I hope that the number of Myanmar employees will increase dramatically for many years to come. Additionally, the company also provides development programs concerning Oil and Gas Technical Skills to MOGE as well as supports training programs to develop skilled workforce which benefit the industry as a whole. With PTTEP's continuous commitment not only in the area of energy security but also the knowledge sharing as well as the contribution to Myanmar's community, I am confident that PTTEP will continue to be a key partner in helping drive Myanmar's economic growth and empower Myanmar people.



Corporate Social Responsibilities





PTTEP

Handover Ceremony

New School Building (30 x 90)ft at The' Chaung Sub Middle School

and

Scholarship Award Ceremony

HEAD (Higher Education Assistance Development) Project 2017

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(အဆင့်)

ချီးမြှင့်ပွဲ အခမ်းအနား





Corporate Social Responsibilities (CSR)

Besides doing business, PTTEP also conducts a wide range of CSR programs that focus on 4 areas: **Basic Needs, Education, Environment and Culture.**



CSR initiatives

1. Basic Needs

The company observed that in rural areas, there is room for improvement in public infrastructure facilities such as roads, hospitals, school buildings, toilets, electricity and monastery buildings. PTTEP started initiatives to support enhancement of infrastructure in 2009. Meetings were

conducted with relevant stakeholders to obtain their requirements to ensure the program meets the real needs of the community. The goal of improving public infrastructure is not only to have a nice facility but to also uplift Myanmar people's standard of living.





U Than Naing Tun, who works as The' Chaung Village Administrator, is very pleased that a company like PTTEP is contributing to the villages on social and educational matters. Another elder from the village feels that PTTEP has helped them in contributing to the social factors of the

villages in many ways. Prior to this initiative, teachers and students did not have access to proper buildings, clean drinking water and toilets. Beyond schools, basic infrastructure is also lacking at many villages. PTTEP saw the need and addressed it by building apartments which has helped the village. He

said, *"For our village, they have contributed to new school building, apartments for the government officers, and on various water problems. All these contributions are really beneficial for our villages and we are very grateful for that".*



U Nyein Chan Aung, another school principal at Phaung Daw High School, Phaung Daw village, Yay Phyu Township, and Daw Thida Htay, the school principal at Kaung Mhu village Middle School, are especially pleased with PTTEP's CSR work and appreciates the installation of water pumps, tanks and pipelines to provide clean drinking water to teachers and students. Daw Thida commented, *"I'm very pleased that they have given us new school buildings, clean drinking water units, toilets for students and other things to upgrade the school. Now as we see, the new building helps kids to study in a better environment, facilitates the teaching process and improves the standard of the education"*.



In 2009, the company conducted a health survey of communities living near the Zawtika Project in Kanbauk, Tanintharyi Region. The results alarmingly showed a large number of the population suffered from malnutrition, particularly children, with over 60% infected with intestinal parasites.

The “Parasite-Free School Project” was launched in 2010 with the aim to fight intestinal parasites among school children along the Zawtika pipeline corridor. Since its inception, over 6,000 students from 35 villages have benefited from the project offering health check programs, nutritional evaluations and education of sanitary

knowledge. Most importantly, the infection rates of parasitic illnesses declined sharply from 41.5% in the first year 2010 to 5.1% in 2017.

Principals from Phaung Daw School and Kaung Mhu School have expressed their appreciation for PTTEP’s “Parasite Free School Project”. They believe that kids got infected when they came into contact with soil and consumed unhygienic food. These parasites are too small to be seen with the naked eye, hence they will not be noticeable to parents and guardians. So, instead of dispensing medication to everyone, this project helps to provide a clear diagnosis

of how many parasites each kid has and how they should be treated individually and systematically. This tailored approach prevents the spread of parasites to other kids. Daw Thida Htay, the school principle at Kaung Mhu village Middle school said, *“PTTEP comes to our school regularly for the check-ups which helps the kids to stay healthy and parasite-free so that the school can be called a Parasite Free School”*.

That “Parasite-Free School Project” won a Bronze Stevie Award in the Innovation in Community Relations Category.





Where there is a lack of access to public healthcare in Myanmar, PTTEP worked together with the local health department to organize “Mobile Health Check” project. The operation is aimed at providing primary medical services free of charge to people living in those rural areas. Since 2015, PTTEP have already provided medical equipment support to Government health units for them to continue with this initiative.

Since 2015, PTTEP Myanmar Asset has implemented “Mobile Health Check” project in 3 strategic areas which are Block M3, Onshore Block EP 2 and MOGE 3. There are over 15,000 beneficiaries from this project in total.



Another new initiative program is aimed at minimizing the problem of waste in the surrounding local communities, as well as to reduce household expenditure by using gas generated from household waste instead of charcoal for home cooking. The first pilot project unit was installed in October 18, 2018. In 2019, PTTEP Myanmar Asset tentatively plans to support a further 31 biogas generation units in the operation area.



PTTEP also organized fundraising activity, the “Zawtika Charity Golf Tournament” to fulfil basic needs and uplift the lives of underprivileged children and people in the community. Over the last 6 years, it has raised over USD 170,000 in total for six monastic and training schools, including the Malikha Training School for Girls, Kyite Wine Training School for Boys, Su Taung Pyae Monastery and Orphanage School, Nawaratt Monastic School, Lo Ta Ya Monastic School and Mahar Baw Di (YGW) Monastic Educational School.



CSR initiatives

2. Education

Education is an area where Thailand and Myanmar can cooperate and PTTEP is proud to support the development of Myanmar's human capital necessary for its sustainable growth. Phaung Daw School Principal is delighted with PTTEP's scholarship to students who are aiming for higher education in Universities. Currently, PTTEP provides

scholarships such as **Higher Education Assistance for Development Scholarship Project (HEAD)**. This assistance is a full scholarship given to 10 qualified high school students annually. The scholarship covers five areas identified as priority needs for Myanmar including medication, nursing, midwifery, education and engineering. Since

2008, PTTEP has granted 67 scholarships with many scholarship recipients graduating and gaining employment with government agencies that help support their communities. **The High Vocational Diploma Scholarship (HVD)**, launched in 2013 is a full, bond-free scholarship program offered by PTT group and its





subsidiaries, including PTT, PTTEP, PTTGC, TOP and GPSC. Under this program, students undergo four years of vocational education at IRPCT with an internship in Thailand. To date, the HVD Scholarship program has granted 150 scholarships to the students from ASEAN Economic Community (AEC) countries.

Technical Capability Building and Development, was launched in 2015 and is a collaborative project by PTTEP Myanmar Asset, the Ministry of Labor, Immigration and Population and the National Skills Training Centre, with full support from Myanma Oil and Gas Enterprise (MOGE). There are four types of training programs which covers Welding, Air-conditioning installation, Electrical and Advance Electrical as well as the National Skills Standards Authority (NSSA) Assessment for Air-Conditioning Installation and Electrician. By end of 2019, there will be over 1,800 students who have been trained and assessed with more than 199,000 hours trained.



Nilar Oo from Phaung Taw Village

Nilar Oo from Phaung Taw Village is one of the beneficiaries of the scholarship and is currently working at Phaung Taw Village Health Station. Many others like Nilar Oo had been struggling to get a proper education partly due to the long distance of the village to the University of Education, making it difficult for them to study. She commented



Lin Zarni Aung from Kaung Mhu Village

"My class at Myeik is very far from home and costs a lot. With PTTEP's contribution, I was granted a scholarship in 2012 and it helped my family to save a lot of money".

Lin Zarni Aung from Kaung Mhu Village and Thiri Wai also benefited from the scholarship and are working in the village to



Thiri Wai from Kaung Mhu Village

help others. *"I'm so proud that I graduated from the University that I came back to teach the children here. I want to thank PTTEP for their contributions to improve the community's social well-being and kids' health. I wish for PTTEP's greater success",* Thiri remarked.



Heartfelt Congratulations to
Second Batch Students of MERIT Project

28th March 2018





CSR initiatives

3. Environment

In the spirit of conservation, PTTEP recognizes the importance of protecting nature and the environment. The company collaborated with the local government to support the Tanintharyi Nature Reserve Project (TNRP) and its mission to prevent deforestation and degradation.

Every year, PTTEP collaborates with the Yangon City Development Committee (YCDC) to organize the “PTTEP Myanmar Asset Green Up Project” where new trees are planted at Hlawga National Park, Yangon. Demonstrating the core values of the company, PTTEP shows why planting trees is important for the environment and

part of the responsibility PTTEP has towards the society.

Some areas of Myanmar are prone to landslides and flooding. As Thant Zin and Thinzar Soe from PTTEP points out that especially in middle part of Myanmar, communities are suffering from natural disasters especially flooding. They end up losing their houses while children suffer from food and water shortages. They commented, “Tree planting goes beyond the planting activity. There are so many advantages. Trees can give us oxygen that we breathe, they can reduce soil erosion and pollution in water waste and reduce the

effect of flooding as well. It can also help to reduce the harmful effects of greenhouse gases and the issue of global warming”.

Ngu War and Thinzar Nyunt Win from PTTEP who participated in this year's activity remarked, “One of our CSR activities and our core values is responsibility towards the society. Planting trees is very important to build not only a better future but also a more sustainable world. We can experience the benefits of tree planting for our environment in the long run. Furthermore, we can be a role model for children and spread the awareness of environmental issues. That's why we are very pleased to get involved in our PTTEP's CSR activities”.



CSR initiatives

4. Culture



PTTEP contributes to the preservation of culture and tradition by supporting local religious centers. In Myanmar, the monastery is often at the center of the

community. The company organizes annual Kathina Ceremonies that involve making and presenting new robes to monks and also support monastic schools

by donating Buddhist books. PTTEP is proud to be a part of Myanmar's culture as a community member.



Sustainable Future





Sustainable Future

PTTEP is proud to celebrate 30 years in Myanmar since establishing itself in 1989. The company is committed to operating in all locations with regards to Safety, Security, Health and Environment (SSHE), and has built a solid foundation for our SSHE Culture and this underpins its license to operate.

Looking ahead, PTTEP remains committed to its goal to provide reliable energy to meet not only the needs of today, but those of the future as well. Alongside this goal, the company is dedicated to providing empowering opportunities to the wider society.





Mr. Vuthiphon Thuampoomngam, Chief Operating Officer, Production Asset and Supply Chain Management Group, PTTEP



PTTEP have already conducted business in Myanmar for over 30 years and this demonstrates the company's strong commitment and dedication to be the "Energy Partner of Choice" for the nation and people of Myanmar.

As a partner, PTTEP has invested heavily in developing its long-term plans in Myanmar to significantly increase its petroleum reserves and future productions. This is to ensure the availability of sustainable energy for development in both Myanmar and Thailand.

PTTEP's efforts primarily aim to:

- *Set a long-term plan to maintain the production volume of the Zawtika Project*
- *Discover additional sources by accelerating exploration activities to support our long-term growth. PTTEP's main activities include seismic exploration and drilling of exploration and appraisal wells in both offshore and onshore blocks*
- *Target future investment in the nation by participating in Myanmar's future offshore oil and gas in bidding rounds*
- *Emphasize operational agility by adopting the latest technology to enhance its efficiency. In addition, the company constantly seeks and evaluates new business opportunities in the Gas Value Chain business. On this theme, its current aspirations in Myanmar is to develop a Gas to Power Project.*

PTTEP is also committed to maintain cost competitiveness, maximize value of existing assets, ensure continuity in the production of natural gas supply and capture new investment opportunities in petroleum areas.

Human capabilities development remains one of PTTEP's top priorities.

PTTEP is now investing considerable time and effort in the establishment of both a "Digital Transformation," which enhances operational efficiency and cost competitiveness, and an "Organizational Transformation," which results in a leaner and agile organization for long-term sustainability.

As per its vision of being the "Energy Partner of Choice", PTTEP aims to become that 'partner of choice', for all of its business partners. Specifically, this means governments of other countries would welcome PTTEP as the investment partner in their projects and local communities. This extends to suppliers, contractors, and even competitors, who are seeking out partners to collaborate with for future joint investments. And, of course, PTTEP clearly wants to be the 'Employer of Choice' for its employees, with the aim of building engagement and driving PTTEP's growth.

To achieve success in its aspirations and transformations, PTTEP has been working extremely hard to ensure its staff are competent, well-equipped and



professionally ready for the local and international challenges and opportunities that not only await them today, but also in the future.

To prepare teams for these tasks, PTTEP has implemented several HR initiatives, such as the “One Team, One Goal” working philosophy, and the “Walk the Talk” leadership. PTTEP’s ultimate goal is the creation of a more open-minded work environment throughout the organization where its people can quickly upgrade and develop a variety of skills and practices, including Competency Management in Technical

Skills, Soft Skills and Leadership Skills, Individual Employee Career Development Practices, Talent Management and Succession Planning Practices, as well as other more specialized skills.

PTTEP is proud that, it now employs more than 3,800 multi-national staff working smoothly and actively together on 46 projects in 12 countries, and in other related businesses in which PTTEP has invested. With such an agile and aspirational approach, the company will surely see more and more similar successes in the future.



“Human capabilities development remains one of PTTEP’s top priorities.”



Mr. Piya Sukhumpanumet, General Manager, PTTEP Myanmar Asset



We plan to explore all areas in the Zawtika project to provide natural gas to the domestic market as well as carry out exploration activities in other projects for possible future developments. Moreover, we are searching for new opportunities to expand our investments in related businesses such as Gas to Power project.

As our commitment to operate in a socially responsible manner, we also conduct a wide range of CSR activities that focus on 4 areas: Basic Needs, Education, Environment and Culture. We are trying to fulfill basic infrastructure needs in villages and monastic schools as well as providing scholarships and vocational trainings to young people whom will be the key players of the country in the near future.

Discovery of additional energy reserves to support Myanmar's ever-increasing energy demands as the country develops are considered our challenges. However, we do believe that we can overcome these challenges and continue to be a part of creating sustainable growth for Myanmar both in terms of energy and community development.

“We also conduct a wide range of CSR activities that focus on 4 areas: Basic Needs, Education, Environment and Culture”



Commemorative CSR project for 30th Anniversary of PTTEP in Myanmar: **PTTEP Myanmar Asset 100 Smiles Project**

For the 30th anniversary of PTTEP in Myanmar, PTTEP has embarked on a program which is especially close and meaningful to the company as a whole. PTTEP's social contribution efforts are focused on initiatives that have a positive impact on the development and growth of communities. For this momentous occasion, it has partnered with Alliance for Smiles in reaching out nationwide to communities with children that are affected by cleft lip and cleft palate problems. The number of

children born with hare lips or cleft lips is alarming. Children born with this condition face numerous physical challenges from not being able to eat properly to the development of speech. Beyond these physical challenges, the affected children also face emotional challenges that can affect their self-esteem and confidence. A simple surgery can rectify this condition, making a whole world of difference to the child.

As a part of this partnership with Alliance for Smiles, PTTEP has donated USD 100,000 to cover the costs of this transformative surgery for 100 children. This initiative unlike others in the past will benefit recipients nationwide. The smiles on the children that have undergone the surgery is a testament to the success of this program.

PTTEP Myanmar Asset's General Manager, Mr. Piya Sukhumpanumet remarked at the signing ceremony that "As a long-



Photos courtesy of Alliance for Smiles

term partner and investor in Myanmar for 30 years, contributing to the local community – especially to the less fortunate – is one of our corporate priorities.

Children born with this condition not only have to face physical challenges but also emotional challenges. We have heard and seen several touching stories from the families of the children who had their operations done. Beyond the physical benefits, it gladdens the heart just for us to

see these kids being able to live their life with no struggles and just smiles. We are very pleased with the results of this cooperation with Alliance for Smiles – PTTEP Myanmar Asset 100 Smiles Project. Knowing that this benefits not only the individuals but the entire community”.

Alliance for Smiles CEO, Alison Healy, said, "It is an honor to have financial support from PTTEP which will enable Alliance for Smiles to transform the lives of 100

Myanmar children. We are thankful for this tremendous vote of confidence in our work and acknowledgement of the many children who await surgery for their cleft anomalies."

The benefits of this partnership is not only for the individuals but for the entire community in the long run. The PTTEP Myanmar Asset 100 Smiles Project marks our commitment to bring even greater benefits to the children of Myanmar.



Photos courtesy of Alliance for Smiles



“PTTEP Myanmar Asset 100 Smiles Project. Knowing that this benefits not only the individuals but the entire community”



Photos courtesy of Alliance for Smiles



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