



# Global LNG Solutions

Sharing More Than 50 Years of Experiences  
in LNG Operation

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## Achmad Khoiruddin

President Director & CEO

### President Director & CEO's Message

For more than five decades, Badak LNG has actively contributed to the global LNG business and have successfully maintained its status as one of the world's clean energy producers. Having been in operation for more than half a century, we have expertly built reputation as an experienced LNG company. According to the latest benchmark by a worldwide reputable assessor in 2022, Badak LNG ranked first in safety, plant reliability, plant maintenance and efficient personnel cost. As the Center of Excellence in LNG, we continually guarantee our best efforts in ensuring continuous innovations to foster business sustainability and advance towards a better future.

Since the start of our operation in 1977, up until 2025, we have produced and shipped more than 9,500 LNG cargoes, safely and efficiently. Consequently, our safety culture empowered us to accomplish 130 million safe working hours without any lost time injury or accident since 8 December 2006. Based on these achievements, we have received multiple awards and certifications from both national and international institutions. Several of which include the "Sword of Honour" for our safety performance and the "5-Star Safety Award" from The British Safety Council; achieved Level 8 for ISRS8 (International Sustainability Rating System, 8<sup>th</sup> Edition) assessment from DNV Norway that marked us to be the first oil and gas company to be honored with this

certification; and other notable awards in Corporate Social Responsibility (CSR), labor, and technological innovation.

Regarding our operations, we were originally designed to receive rich gas supply from Sanga-Sanga PSC and East Kalimantan PSC. Though, as of 2017, Badak LNG receives lean gas supply from Muara Bakau PSC and adapts to maintain plant reliability. By 2028, our plant anticipates to receive gas supply from new gas sources and will require at least 4 trains in operation.

To sustain our business, maintain our competence, and ensure legacy to stakeholders, Badak LNG is committed in improving its human resources' capabilities through the establishment of "Badak LNG Learning Center". This serves as a training facility for both employees and external parties who are interested in learning about the aspects related to LNG Plant Operations. Furthermore, we also provide technical services within the scope of Commissioning & Start-up Assistance (CSUA) and Operation & Maintenance (O&M) for other companies. Our international clients span from Asia (INPEX, JGC, KOGAS, TIMOR GAP, etc.); Middle East (Yemen LNG); Europe (Equinor Snohvit LNG in Norway); US & Canada (Dominion Cove Point LNG, Cameron LNG, Freeport LNG, and Woodfibre LNG), Mexico (Energia Costa Azul); and to Africa (Angola LNG and Coral FLNG Mozambique). Our domestic clients are including Donggi Senoro LNG, BP Berau Ltd. (Tangguh LNG), Pertamina Group and many others.

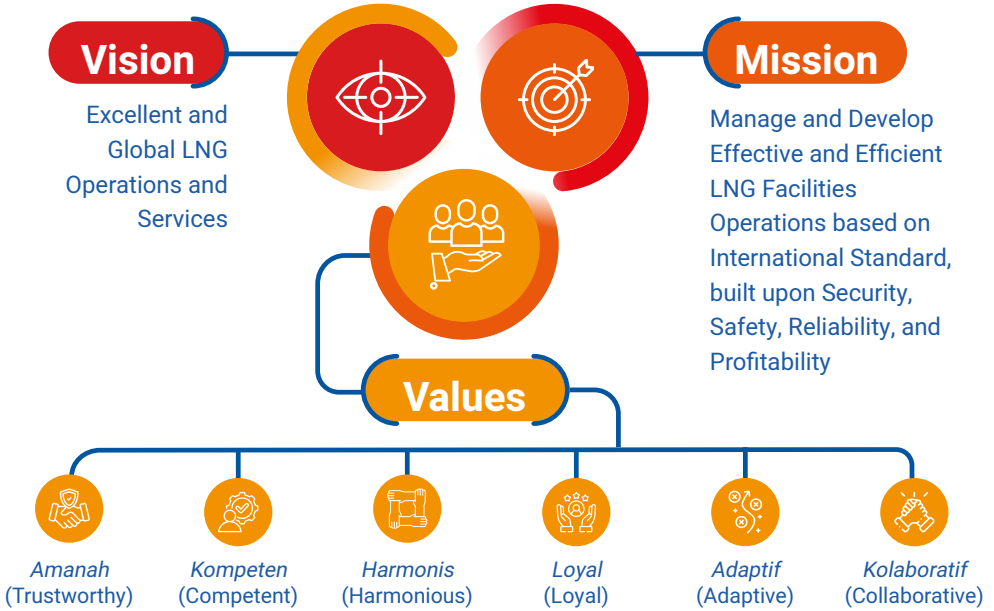
We also believe in contribution towards community empowerment. Therefore, we established LNG Academy which is part of the company's CSR Program that aims to transfer LNG knowledge and competence to the youth. In addition, we have "Knowledge House" as a learning facility for the public within the Badak LNG area.

As a clean energy producer, we have also initiated several other clean energy programs, such as solar power generation facilities, miniature wind power plants, LNG-fueled gas stoves, LNG-fueled buses, etc. We continuously conduct research and innovations related to operation optimization, gas processing, LNG/LPG utilization, etc. We are currently conducting studies related to the utilization of stranded gas and marginal gas in the form of the development of micro-LNG, mini-LNG and mini Gas to Liquid, etc.

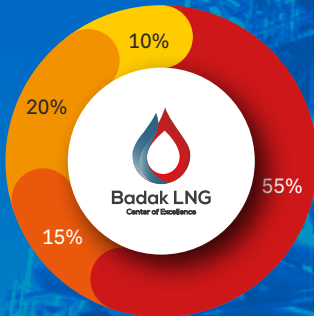
As the Center of Excellence, Badak LNG pledges to become a notable global LNG operator and is always ready to collaborate, by providing services, especially in the oil & gas and the energy industry, to ensure a better future.

# Company Overview

As a prominent figure in LNG operations, Badak LNG has proven its capabilities in being the company with the largest LNG production and shipment in the world.

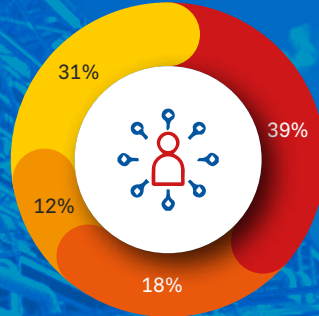


## Ownership



- Pertamina Hulu Energi
- PT Pertamina Pedev Indonesia
- VICO Indonesia
- Total E&P Indonesia

## Workforces

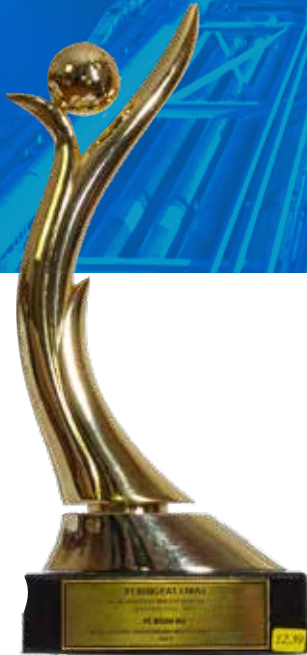


- Operation
- Maintenance
- Technical Support
- Business Support

## Our Achievements

Since 2006, we have achieved 130 million safe working hours without Lost Time Injuries (LTIs).

According to a world prominent assessor in 2022, that between 20 LNG Plant around the world which represent global LNG market with a total capacity of about 300 MTPA, stated that Badak LNG has already comply to the newest standard.



## Our Performance

Based on the latest benchmark

1<sup>st</sup>

### Plant Reliability

Highest Reliability  
(Plant Reliability Factor 99.7%)



1<sup>st</sup>

### Safety & Health

Zero Lost Time Injury  
Zero Total Recordable Case



5<sup>th</sup>

### Total Loss

5<sup>th</sup> Lowest HC Loss



1<sup>st</sup>

### Maintenance Cost

Lowest Maintenance Cost  
(USD 905/mechanical unit)



1<sup>st</sup>

### Personnel

Lowest Labor Cost



3<sup>rd</sup>

### Operating Cost

3<sup>rd</sup> Lowest Operating Cost



Badak LNG has been honored with its 14<sup>th</sup> Gold Trophy (PROPER Emas) awarded by the Ministry of Environment and Forestry of the Republic of Indonesia (Kementerian Lingkungan Hidup dan Kehutanan Republik Indonesia). This recognition underscores the company's exceptional commitment to comprehensive and sustainable environmental management, highlighting its excellence in production and service processes, as well as its adherence to the highest standard of business ethics and corporate responsibility.

# Company Milestones

1973

Badak LNG  
was founded

1977

Train A/B start-  
up, First LNG  
Shipment

1988

First LPG  
Shipment

1999

8 Trains  
Operation  
(Train A-H)





## LNG Services

With a reputable track record in the LNG industry, Badak LNG shares its expertise through: Operation & Maintenance (O&M) Services, Commissioning & Start-Up Assistance, Learning Center, Technical Services and Research & Development.

We provide qualified experts, highly skilled and competent personnel, that has successfully provided services for other LNG/Gas Plants of both domestic and international companies, such as Snohvit LNG (Equinor, Norway), Angola LNG (Angola), Yemen LNG (Yemen), BP Berau-Tangguh LNG (Indonesia) and Saipem for FPLNG Project in Masela.





1

Technical  
Services



2

Operation &  
Maintenance  
(O&M) Services



3

Commissioning  
and Start-up  
Assistance



4

Learning Center



5

Research &  
Development

# Technical Services

## Feasibility Study

Badak LNG provides the following services related to the feasibility study, that includes:

- conceptual design
- commercial study
- legal
- study related to engineering compliance standards

We are experienced in conducting feasibility studies, both for grass-root projects and more for brownfield projects related to the modification and development of LNG plant facilities.

## Troubleshooting & Repair

Badak LNG is capable of executing troubleshoot and repair for LNG and LPG gas facilities, involving skilled and experienced workforce and relevant equipment.



## Front End Engineering Design (FEED), Detailed Engineering Design (DED) & Engineering Procurement Contract (EPC)

We are experienced in carrying out FEED, DED, and EPC for Projects related to gas and LNG/LPG. The projects implemented by Badak LNG, i.e.:

- EPCC LNG Filling Station in Bontang, East Kalimantan. This project is owned by PT Pertamina Gas. (2017)
- FEED & DED LNG Receiving Terminal & Regasification in Teluk Lamong, Surabaya, East Java. This project owned by PT PGN LNG. (2018 – 2019)
- FEED & EPCC LNG Filling Station Cargo Dock in Bontang, East Kalimantan. This project is owned by PT Pertamina Gas. (2020)
- FEED LNG Bunkering in Bontang, East Kalimantan. This project is owned by PT PGN. (2022)

## LNG Expert

We have expertise as consultant in the LNG industry related projects, including but not limited to:

- LNG Tank Leakage
- Motor Rewinding
- LNG Loading Arm
- Balancing Rotor
- LNG Plant Pumps Repair
- Molsieve Optimization
- Lean Gas Project



# Operation & Maintenance (O&M) Services



## Operation & Maintenance (O&M) Services

The scope of O&M offered by Badak LNG is as follows:

- Development of maintenance management system
- Design organizational structures and manpower planning
- Development and implementation of Safety, Health, Environment & Quality (SHEQ) management system for a reliable and safe plant management
- Development and implementation of Maintenance Programs to maintain the reliability and availability of train
- Run/operate train professionally and conduct continuous improvement to enhance train efficiency
- Development and operation of other supporting systems, such as: marine operations, security management system, spare part management, HR management system, IT management system, etc.



# Commissioning and Start-up Assistance

## Commissioning and Start-up Assistance

We are experienced in carrying out Commissioning & Start-Up Assistance for LNG/Gas Plant of other companies, such as Cameron LNG, Freeport LNG, FPU ENI Jangkrik, Pertamina RFCC Cilacap, BP Berau and Angola LNG.

The Commissioning & Start-Up Assistance services that Badak LNG provides includes:

- Client assistance to ensure a smooth plant pre-commissioning & commissioning process
- Client assistance to conduct a safe plant start-up
- Providing advisory during commissioning or start-up process to prevent re-work and ensure a smooth-running process
- Development of commissioning procedure as well as a safe and reliable start-up and shutdown procedure.

## Operational Readiness

The Operational Readiness stage is related to the preparations prior to pre-commissioning, which is divided into:

### 1. Policy aspects

This aspect covers philosophy, Human Resources (HR), commissioning strategies, and division of authority

between EPC (Engineering, Procurement, and Construction) contractor and project owner.

### 2. Technical aspects

This aspect includes the Standard Operating Procedure (SOP) derived from policy aspects.



# LNG Learning Center

With the intention of maintaining our expertise and continuously improve our knowledge transfer management, Badak LNG established LNG Learning Center to train and equip personnels to become capable, skilled and professional operators, technicians and other key positions in LNG Plant. Most training programs are customized to meet clients' specific needs.

## Operator Training

Operator Training takes around 18 months, programs are divided into 3 sessions:

- In-class Courses/Basic Orientation Training (BOT) – 3 months
- On-the-Job Training (OJT) – 3 months
- Job-Specific Training in Plant Operation Area – 12 months.

Clients may customize the program based on the company needs. This training graduates are ready to work as LNG Plant field operators.



## Maintenance Training

Maintenance Training takes around 18 months, programs are divided into 3 sessions:

- In-Class Courses/Basic Orientation Training (BOT) – 3 months
- On-the-Job (OJT) – 3 months
- Hands-On Maintenance Training – 12 months

Clients may customize the program based on the company needs. Graduated trainees are ready to work as LNG Plant technicians or mechanics are ready to work as technicians or mechanics in LNG Plant.



## LNG Plant Turn Around

Plant Shutdown or Turnaround is an important step in maintaining the reliability of plant operations. Therefore, maintenance shutdown execution requires qualified personnel. Badak LNG has great experiences in shutdown execution with brilliant results. Badak LNG uses these experiences to develop qualified personnel.



## LNG & Hydrocarbon Firefighting

Badak LNG has proven a great success in training competent firefighting personnel with this program. Our years of experience allows us to offer the opportunity for firefighters from other companies to enhance their competencies through real LNG firefighting scene.



## Laboratory Analysis

Badak LNG provides training programs for Laboratory Analyst that consists of: ISO 17025, Gas Chromatograph, Atomic Absorption Spectrography, High Performance Liquid Chromatography, and Sampling Method.



## LNG Plant Production Planning

This training program aims to help companies to carry out LNG production planning activities that involves coordination from the upstream to the buyer.



## Marine Operation

This training program covers the operation of marine facilities which consists of onshore facilities (ports, jetties, and loading dock) and offshore facilities (sea signs, tugboats, and mooring boats). Badak LNG marine facilities have complied with ISPS (International Ship and Port Security) code and have been used to conduct trainings related to the compliance with ISPS port management system.



## Tug Boat & Mooring Boat Docking Maintenance

Badak LNG has carried out docking activities for tugboats and mooring boats since 2013 at a dockyard built in Badak LNG area. The system developed by Badak LNG is valuable for companies that own tugboat and mooring boat facilities.

## Training, Assessment & Certification

Badak LNG formed a professional certification agency named Lembaga Sertifikasi Profesi (LSP) licensed by Badan Nasional Sertifikasi Profesi (BNSP), an Indonesian organization for Profession Standardization. BNSP as a national licensor has obtained Mutual Recognition Agreement (MRA) from the Offshore Petroleum Industry Training Organization (OPITO), United Kingdom. Therefore, Badak LNG's LSP certificate will be recognized as the same level as OPITO Certificate.





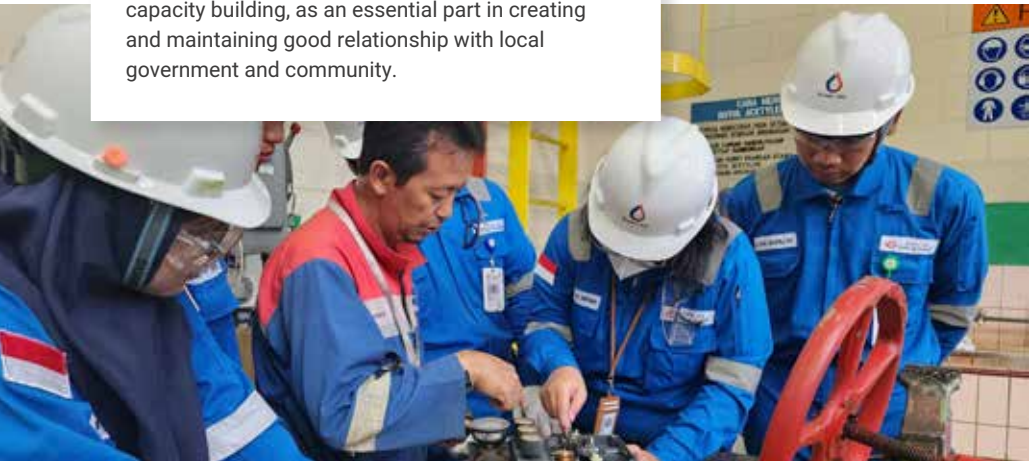
## LNG Academy

LNG Academy offers a full scholarship program for Diploma 3 which was established to equip high school graduate with specific skills and competencies to operate and maintain LNG Plant. Students will learn from experienced practitioners in LNG field with a combination of 60% practical and 40% of theoretical learning.

LNG Academy Program has 3 fields of specialization:

1. Gas Processing
2. Mechanical and Rotating Maintenance
3. Electrical Maintenance and Instrumentation

Badak LNG is capable of assisting clients to establish LNG Academy in clients' operation area in order to develop local community that aims for capacity building, as an essential part in creating and maintaining good relationship with local government and community.



# Research & Development

## LPG Production Booster System (LPBS)

The complexity of lean gas supply to Badak LNG encouraged the company to innovate in modifying its plant to extract more LPG products by installing a new cooling system to scrub column. This modification was carried out in two trains that are currently still operating, Train G and Train H.

After the implementation, Badak LNG was no longer import the LPG for internal usage, we produce the LPG instead. LPBS is the first innovation in the world and contributes to Indonesian Government's endeavor to reduce LPG import.

## Dual HHV

The new lean gas supply to Badak LNG Plant raises an issue of LNG HHV reduction which potentially may not be able to meet the existing contract specification. Badak LNG successfully managed this condition by transforming the plant operation from Single HHV production to Dual HHV with two LNG product quality which is the first in the world.

## Hybrid Power Plant

Supporting the Government of Indonesia's program in renewable energy, Badak LNG has initiated the small-scale hybrid renewable energy project. The small-scale hybrid renewable energy is the combination of Wind Power and Solar Panel with a total capacity of 2,000 W.

## Micro LNG Plant

Badak LNG conducted research to develop Micro LNG Plant with a capacity of less than 1 MMSCFD as the strategic project to seize the future business opportunity for the optimization of flare gas or processing natural gas in the small gas field.

## CUI's Water Detector

As LNG plant operator, Badak LNG utilizes several insulation materials as heat insulation, noise insulation, and personnel protection. However, the utilization of insulation material can cause 'Corrosion Under Insulation' or also known as CUI, that triggers the leakage and damage to the equipment.

To solve this problem, Badak LNG developed a tool called 'CUI's Water Detector' that can detect the water presence under insulation to predict the possibility of CUI early. This tool has intellectual property rights from Indonesian Directorate General of Intellectual Property (Direktorat Jenderal Kekayaan Intelektual Indonesia). With CUI's Water Detector, Badak LNG has decreased the probability of plant shutdown, production loss, start-up delay, and hydrocarbon leakage with cost savings up to USD 358,049/year.

## Start-up Assistance

### CAMERON LNG AND FREEPORT LNG, USA

US-based LNG companies, Cameron LNG and Freeport LNG entrusted Badak LNG to assist the plant start-up process. To dispatch our personnel to the US, Badak LNG formed a Joint Venture (JV) company with Chiyoda International Corporation (CIC) and Enerproco LLC, named BChE (Badak Chiyoda Enerproco LLC). Badak LNG made a significant contribution to the first LNG production from both projects, and continuously support the Start-Up phase of Plant 2 and Plant 3 of Cameron LNG.



## Commissioning & Start-Up Assistance

### TANGGUH III, INDONESIA

Badak LNG provides CSUA service for LNG Tangguh III Plant Project of BP Berau Ltd. located in Papua, Indonesia. CSUA service includes Operation, Maintenance and Engineering personnel during and after commissioning phase, as well as plant start-up. This project commenced on 20 July 2019 and currently still on-going until 2025. This project involves 78 personnel of Badak LNG.



## MCHE Repair

### YEMEN LNG, YEMEN

In November 2014, Badak LNG visited Balhaf Plant Yemen LNG to attend the preliminary meeting for the MCHE repair and plant visit. The repairment team consists of ten highly qualified specialist from Badak LNG. They executed the repairment project on January 27, 2015.

Adhere to the plan, Badak LNG targeted the repairment would take 28 days. With great strategy and efficient teamwork, the repairment finished in 15 days. On February 12, 2015, Yemen LNG announced the project was accomplished with an excellent result which is proven by the MCHE pressure test performed by Yemen LNG indicated that there was no longer shown leaks in both circuit bundle and handhole.



### BP BERAU (TANGGUH LNG), INDONESIA

BP Berau has entrusted Badak LNG to carry out MCHE repair in 2022 and 2024 during Tangguh LNG plant turnaround. In 2022, MCHE repair was carried out on Train-1 Tangguh LNG, meanwhile in 2024, MCHE repair was carried out on Train-2 Tangguh LNG. The repair was completed in less than 1 month with satisfaction. After the repair, MCHE units were started up and were operating normally.



# LNG Plant Turnaround Support

## ANGOLA LNG, ANGOLA

In 2022, Badak LNG was trusted to provide support for Angola LNG Plant turnaround project. Badak LNG dispatched 7 personnels who are experienced in conducting start-up commissioning at Angola LNG Plant and has previously mentored Angola LNG personnels. The turnaround project was executed for approximately 1 month. In this project, Badak LNG provided intensive support and recommendations related to operations, maintenance, and technical.



# LNG Filling Station

## PT PERTAMINA GAS, INDONESIA

Badak LNG obtained project of LNG Filling Station from PT Pertamina Gas in order to fulfill LNG retail demand of PT Pertagas Niaga consumers (PLN Sumberah, Balcony Mall Balikpapan, etc.). Badak LNG conducted the Front End Engineering Design (FEED) and Engineering, Procurement, Construction & Commissioning (EPCC). This project was successfully completed within six months and achieved satisfactory result from PT Pertamina Gas. Since July 2018, this facility delivers LNG to consumers by LNG ISO tank which carried by truck.





## LNG Filling Station Cargo Dock

### PT PERTAMINA GAS, INDONESIA

Badak LNG obtained project of LNG Filling Station from PT Pertamina Gas in order to fulfill LNG retail demand of PT Pertagas Niaga consumers (PT Obsidian Stainless Steel). Badak LNG conducted the Front End Engineering Design (FEED) and Engineering, Procurement, Construction & Commissioning (EPCC). This project was successfully completed within ten months. Since April 2021, this facility delivers LNG to consumers by LNG ISO tank which carried by ship.

## LNG Receiving Terminal

### PT PGN LNG, INDONESIA

Badak LNG has experiences in conducting engineering design (FEED & DED) of LNG Receiving Terminal, LNG Regasification Plant, and LNG Filling Station for PT PGN LNG, Indonesia. From LNG Receiving Terminal, LNG will be distributed to LNG Regasification Plant and LNG Filling Station. In LNG Regasification Plant, LNG will be vaporized to become natural gas which will be supplied for industries, power generations, households, etc. with production capacity of 30 MMSCFD. Meanwhile in LNG Filling Station, LNG will be loaded to ISO Tank Truck with loading capacity of 10 MMSCFD. Those facilities are located in the existing facility of Terminal Teluk Lamong, operated by PT Pelabuhan Indonesia III (Pelindo III) located in Gresik, East Java, Indonesia.



# High-Level Training

## MITSUI & CO. (ASIA PACIFIC) PTE. LTD., JAPAN

Badak LNG held 11-days of high-level training for management and non-technical personnel of Mitsui & Co. (Asia Pacific) Pte. Ltd. Through this training, trainees are expected to gain full understanding of the LNG production process and LNG plant Operation & Maintenance. This training was attended by 6 participants. Badak LNG customized the contents of training to accommodate the participants' needs. This training has successfully fulfilled the client's needs, and for that reason Mitsui & Co. (Asia Pacific) Pte. Ltd. requested a second batch of High-Level Training that was attended by 7 participants.

## AMERICA-BASED LNG COMPANIES

In 2019, Badak LNG provides On-the-Job Training for America-based LNG companies, namely Dominion Cove Point LNG (USA), Freeport LNG (USA), Cameron LNG (USA), and Energia Costa Azul (Mexico). Badak LNG offers flexible training programs that can be customized to meet clients' specific needs. For Energia Costa Azul, Badak LNG provided LNG receiving terminal training that includes LNG terminal handling, loading and discharging. For the three companies from USA, Badak LNG customized the training programs for LNG Plant operators, that is suitable for experienced workers who operates the receiving terminal.



## ANGOLA LNG, ANGOLA

Badak LNG provided 12-months On-the-Job Training for Angola LNG Trainees. Trainees received OPITO Certification as Badak LNG workers were also involved as OPITO Assessors. Angola LNG requested Badak LNG to customize training programs in accordance with Maintenance Development Program. Trainees are involved in maintenance activities, such as: Corrective Maintenance, Preventive Maintenance (PM), Predictive Maintenance, and Maintenance Shutdown. This training graduates are proven to be ready to work and become key personnels in Maintenance at Angola LNG.



# Project List

2017

## Energia Costa Azul



**Learning Center**  
Training of LNG  
Receiving Terminal

## Timor GAP



**Commissioning and  
Start-Up Assistance**  
Technical Service in  
advisory of FEED  
Timor GAP

## Cameron LNG



**Learning Center**  
Training of LNG  
Plant Operation

## PT Chiyoda International



**Technical Services**  
Commissioning &  
Start-Up of Floating  
Production Unit  
(FPU) Jangkrik

## PT Pertamina Gas



**Technical Services**  
FEED & EPCC for  
LNG Filling Station  
Development

2018

## Freeport LNG



**Learning Center**  
Training of LNG Receiving Terminal

## PT ENI



**Technical Services**  
Dual High Heating Value (Dual HHV)  
Modification

## Badak Chiyoda Enerproco LLC



**Technical Services**  
Technical Services & Commissioning  
Start-Up Cameron LNG & Freeport LNG

## PGN LNG



**Technical Services**  
Development of Front End Engineering  
Design (FEED) and Detailed Engineering  
Design (DED) of LNG Receiving Terminal  
Teluk Lamong, Surabaya

2020

## PT Kaltim Parna Industri



**Learning Center**  
Firefighting & First  
Aid Training

## BP Berau (Tangguh LNG)



**Learning Center**  
Training of LNG &  
Hydrocarbon  
Firefighting

2022

## BP Berau (Tangguh LNG)



**Learning Center**  
Training of Basic  
Knowledge of LNG

## PT Permata Karya Jasa (PGN Group)



**Learning Center**  
Training of Basic  
Knowledge of LNG

## PT Wahana Totalita Konsultan



**Learning Center**  
Training of Hazard  
Identification, Risk  
Assessment &  
Control (HIRAC)

## PT Multitama Nitrotama Kimia



**Learning Center**  
Training of Hazard  
Identification, Risk  
Assessment &  
Control (HIRAC)

2021

## PT Pertamina Gas



**Technical Services**  
Construction of  
LNG Filling  
Facility in Badak  
LNG Plant Area

## PT Pertamina Gas



**Learning Center**  
Training of LNG  
Filling Station  
Operational & LNG  
& Hydrocarbon  
Firefighting

## PT Solusi Energy Nusantara (SENA)



**Technical Services**  
FEED LNG  
Bunkering Facility  
International  
Terminal LNG  
Bontang

## PT Pupuk Iskandar Muda



**Learning Center**  
Training of Hazard  
Identification, Risk  
Assessment &  
Control (HIRAC)

## PT Donggi Senoro LNG



**Learning Center**  
Training of LNG &  
Hydrocarbon  
Firefighting

## BP Berau (Tangguh LNG)



**Learning Center**  
Training of LNG &  
Hydrocarbon  
Firefighting

## PT EJVJ Engineering



**Learning Center**  
Training of LNG &  
Hydrocarbon  
Firefighting

## Angola LNG



**Operation &  
Maintenance  
(O&M) Services**  
Turnaround

## Coral LNG



**Learning Center**  
Training of  
Laboratory  
Technician

## Timor GAP



**Learning Center**  
Training of Oil &  
Gas Maintenance

## BP Berau (Tangguh LNG)



**Operation &  
Maintenance  
(O&M) Services**  
Main Cryogenic  
Heat Exchanger  
(MCHE) Repair &  
Turnaround Support

## 2023

## PT Pertamina Hulu Kalimantan Timur



Operation & Maintenance (O&M) Services  
Low Speed Balancing Rotor Compressor

## PT Pertamina Hulu Kalimantan Timur



Operation & Maintenance (O&M) Services  
SPG-Balancing LPC Ex. Compressor

## PT Pertamina Hulu Kalimantan Timur



Operation & Maintenance (O&M) Services  
Balancing Rotor Compressor LPC

## PT Pertamina Hulu Mahakam



Learning Center  
Training of LNG Transfer & Handling

## BP Berau (Tangguh LNG)



Learning Center  
Upskilling for Electrical Technician

## PT Pertamina Hulu Mahakam



Learning Center  
Firefighting Training

## BP Berau (Tangguh LNG)



Technical Services  
Technical Service to Commissioning, Start-Up and Normal Operation

## CSTS



Commissioning and Start-Up Assistance  
Commissioning for Tangguh Expansion Project

## PT Elnusa



Learning Center  
Training of LNG Operation

## Energy Equity Epic (Sengkang)



Learning Center  
Training of LNG & Hydrocarbon Firefighting

## 2024

## BP Berau (Tangguh LNG)



Technical Services  
Main Cryogenic Heat Exchanger (MCHE) Repair & Turnaround Support

## PT Kilang Pertamina Internasional



Technical Services  
Welding Services for the completion of Piping Plant Stop Revamp of RDMP RU V Balikpapan

## Woodfibre LNG



Commissioning and Start-Up Assistance  
Operation Readiness Assurance Review

## Angola LNG



Operation & Maintenance (O&M) Services  
Turnaround Service

## Cameron LNG



Commissioning and Start-Up Assistance

## PT Pertamina Patra Niaga



Learning Center  
Training of Process Safety Management

## Kementerian Keuangan



Learning Center  
Basic Knowledge of LNG (Online Training)

## BP Berau (Tangguh LNG)



Learning Center  
Training of LNG & Hydrocarbon Firefighting

## PT EJJV Engineering Indonesia



Learning Center  
Training of LNG & Hydrocarbon Firefighting

## PT Amman Mineral Nusa Tenggara



Learning Center  
Training & Certification of LNG & Hydrocarbon Firefighting

## BP Berau (Tangguh LNG)



Operation & Maintenance (O&M) Services  
Main Cryogenic Heat Exchanger (MCHE) Repair & Turnaround Support

■ Commissioning and Start-Up Assistance

■ Operation & Maintenance (O&M) Services



Woodfibre  
LNG

ECA LNG  
Energy Centre Asia

Dominion  
Energy  
Dominion Cove Point LNG

East Africa  
LNG

Cameron LNG

TotalEnergies

equinor  
Snøhvit

angala  
LNG



## Facilities

To meet client expectations and satisfaction, Badak LNG Learning Center is fully equipped with world-class facilities as follows:

- Real LNG Plant (Online & Offline Plant)
- Industrial Scale Workshop (Machinery, Instrument, Electrical, Mechanical, Welding)
- Operator Training Simulator (OTS)
- Fire Training Ground
- Training Center (Classroom, Cafeteria, Plant Miniature Room, Computer Room, OTS Room)
- ISO 17025-Certified Laboratory
- Dockyard
- Supporting Facilities (Apartment, Hospital, Airport with Chartered Plane & Sport Facilities)



Fire Training Ground



Operator Training Simulator (OTS Room)



Real LNG Plant



Laboratory



Workshop



Docking Facilities



Apartment



Training Center

“

We have been here for two weeks doing LNG Operator Training Course for new facility that we build in Freeport Texas. I can say about the culture, training and the attitude of the instructors that we have here at Badak LNG and it's such a nice and warm and I appreciate everything that we have done and I'll see you back in June. Thank you.

”

**Elli Decker, Operation Superintendent Freeport LNG, USA**



“

We would like to thank to Badak LNG personnel because this training is very helpful for us, give us a better understanding about the gas and provide us a wide knowledge on engineering. The instructors support us a lot on the knowledge, not only as an engineer, but also as a person they are very friendly. They have a lot of knowledge about this industry, they give us opportunities for wide comment on engineering in our facility. So, everybody will have a better understanding of what we are doing. Thank you very much for the opportunity and looking forward to continue with this excellent program.

”

**Alvaro Munoz Estrada, Energia Costa Azul, Mexico**



“

We from Tangguh LNG BP Berau expect to get good lessons and increase our knowledge and experience when participating in the training at Badak LNG. We are very happy because this is not the first training for us. We see from year to year, the quality of Badak LNG's training and capabilities are very well-maintained and that is a very positive thing, so we come back here. Thank you Badak LNG.

”

**Ari Wibowo, HSE Manager Tangguh LNG:**



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**Badak LNG**  
Center of Excellence

[www.badaklng.com](http://www.badaklng.com)