



Introduction to

PT JGC INDONESIA

THE REPUTABLE COMPANY
FOR INTEGRATED SOLUTIONS IN
EPC BUSINESS

 Jl. TB Simatupang 7-B Jakarta 12430, Indonesia

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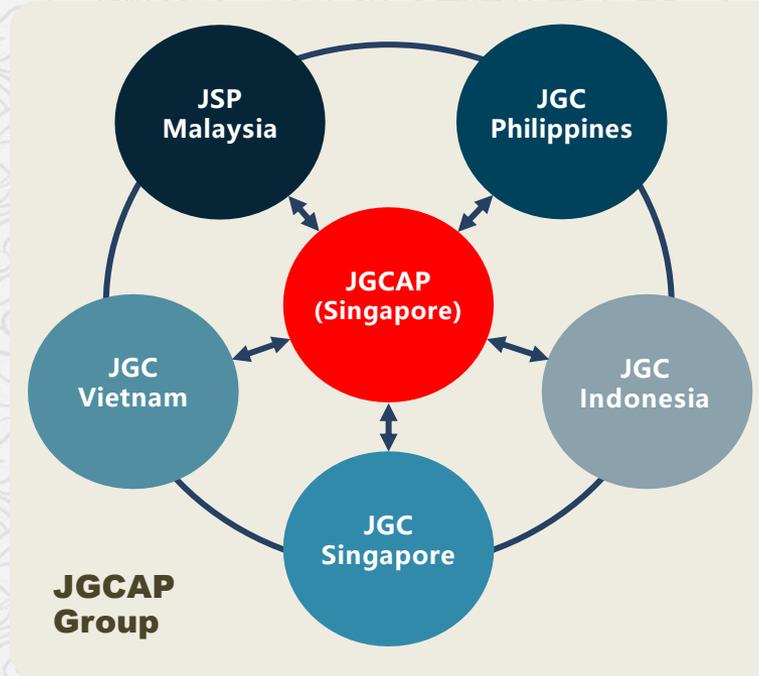
Who We Are

JGC Asia Pacific (JGC AP) Operation

- ✓ Malaysia
- ✓ Brunei

- ✓ Vietnam
- ✓ Laos
- ✓ Cambodia
- ✓ Myanmar

From January 2022



- ✓ Philippines
- ✓ Micronesia
- ✓ Papua New Guinea

- ✓ Indonesia
- ✓ East Timor

- ✓ Singapore
- ✓ Thailand
- ✓ Taiwan
- ✓ Pakistan
- ✓ Bangladesh
- ✓ Australia



Achieve efficient business expansion through integrated group operation



Global human resources, regardless of race, nationality, or gender

Who We Are Organization Chart

BOARD OF COMMISSIONER



TERUMITSU HAYASHI



TAKESHI HASHIZUME
President Director



CLYDE WILLIAM K.JR.
Director



SOERYADI
Director



SOESILO L. NUGROHO
Director



SOBAR HIDAYAT
Director

BOARD OF DIRECTOR



General Manager/
Executive Officer



Design Engineering
Division

--- 7 Departments ---

- Process Dept
- Instrument Dept
- Electrical Dept
- Civil Dept
- Mechanical Dept
- Piping Dept
- Rotary, Package & Machinery Dept



Project Operation
Division

--- 5 Departments ---

- Project Management Dept
- Project Planning & Control Dept
- Procurement Dept
- Construction Management Dept
- Quality Control Dept



Corporate Administration
Division

--- 5 Departments ---

- Finance & Accounting Dept
- Human Resource Dept
- General Affairs Dept
- Project Administration Dept
- Information Technology Dept



Corporate Business
Division

--- 2 Departments ---

- Sales & marketing Dept
- Strategic Business Dept

Who We Are

Vision & Mission

PURPOSE

TO CONTRIBUTE
IN THE NATION'S GROWTH
AND ENVIRONMENT
TO BRING THE BRIGHT FUTURE

VISION

THE REPUTABLE COMPANY
FOR INTEGRATED SOLUTIONS
IN EPC BUSINESS

MISSION

UPHOLDING INTEGRITY IN EVERY
BUSINESS AND OPERATIONAL ACTIVITY

HAVING HUMAN CAPITAL WITH THE
RIGHT COMPETENCIES

ACHIEVING QUALITY AND CUSTOMER
SATISFACTION IN EVERY JOB AND PROJECT

UTILIZING THE ENVIRONMENTAL -
FRIENDLY TECHNOLOGY AND SOLUTIONS

UTILIZING INTELLECTUAL CAPITAL AND
OPERATIONAL ASSETS TO FOSTER
SUSTAINABLE GROWTH

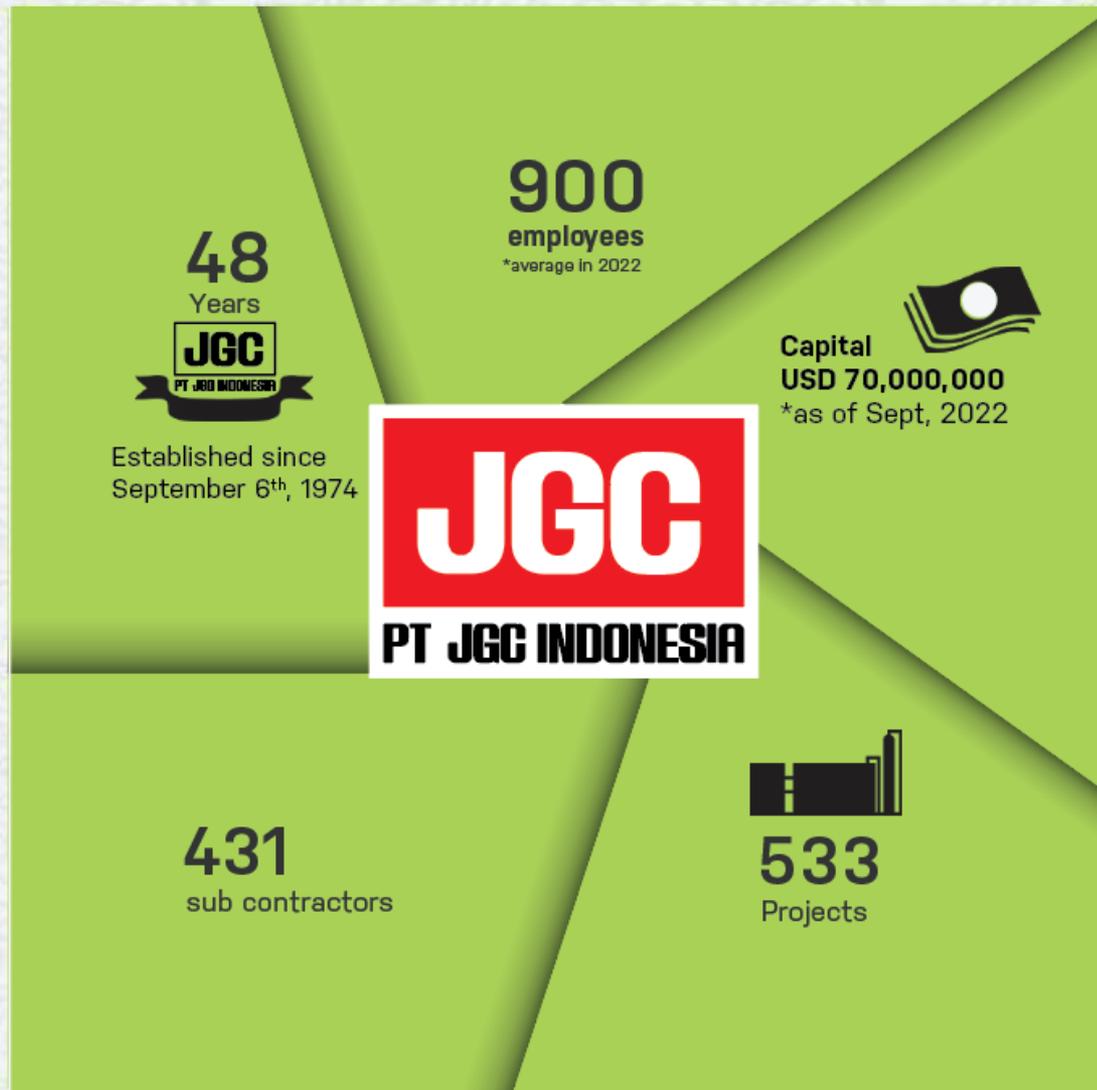


VALUE

COMPLIANCE
INTEGRATED
RELIABILITY
COMMUNICATION
LOYALTY
EXCELLENCE

Who We Are

JGC Indonesia Corporate



What We Do Business Services



FS



FEED



EPCC



O&M

Business Expansion



GREEN ENERGY



NEW RENEWABLE ENERGY



MINERAL RESOURCES



PUBLIC INFRASTRUCTURE



LIFE SCIENCES

Some Major Projects Expertise

LNG PLANT

DONGGI SENORO LNG

Client : Donggi Senoro LNG
 Scope : LNG Tank, Jetty, Instr & Utility Air, Nitrogen, Water Treatment, GTG+EDG
 Location : Luwuk Banggai

TANGGUH LNG 1 & 2

Client : BP Berau
 Scope : LNG Tank, Jetty, Instr & Utility Air, Nitrogen, Water Treatment, GTG+EDG
 Location : Papua

FEED INPEX MASELA

Client : INPEX Corporation
 Scope : LNG Tank, Jetty, Instr & Utility Air, Nitrogen, Water Treatment, GTG+EDG
 Location : Tanimbar, Maluku

REFINERY PLANT

BALONGAN REVAMPING

Client : Pertamina
 Location : Balongan
 Licensor : UOP, Chevron Foster Wheeler, Merichem

PROYEK LANGIT BIRU CILACAP (PLBC)

Client : Pertamina
 Location : Cilacap
 Licensor : UOP

NEW FLARE KILANG BALIKPAPAN-1 RDMP RU V

Client : Pertamina
 Location : Balikpapan

MECHANICAL INTEGRITY (BLANKET CONTRACT)

Client : Pertamina
 Location : All Refineries in Indonesia

POWER PLANT

BLOCK A GAS DEVELOPMENT

Client : Medco EP Malaka
 Capacity : 3,2 MW x 4 (GEG)+EDG
 Location : Aceh

DONGGI SENORO LNG

Client : Donggi Senoro LNG
 Capacity : 25 MW x 3 (GEG)+EDG
 Location : Luwuk Banggai

HPAL POMALA PROJECT (PROPOSAL)

Client : Sumitomo - Vale Indonesia
 Capacity : 50 MW x 2 (STG)+EDG
 Location : Kolaka, South-East Sulawesi

AIRPORT REFUELING SYSTEM FACILITIES

PADANG AIRPORT

Client : Ditjen perhubungan udara
 Location : Padang

BALI AIRPORT PROJECT

Client : PT Pertamina (Persero)
 Location : Bali

KERTAJATI AIRPORT

Client : PT Pertamina (Persero)
 Location : Majalengka

KULON PROGO AIRPORT

Client : PT Pertamina (Persero)
 Location : Kulon Progo, Jawa Tengah

JUANDA AIRPORT

Client : PT Pertamina (Persero)
 Location : Surabaya

GAS PROCESSING PLANT

BLOCK A GAS DEVELOPMENT

Client : Medco EP Malaka
 Capacity : 63.25 BBTUD
 Location : Aceh
 Licensor : Hunstman (AGRU/ AGEU), Jacob (SRU)

JAMBARAN TIUNG BIRU

Client : Pertamina EP
 Location : Bojonegoro
 Licensor : Shell

PETROCHEMICAL PLANT

ACRYLIC ACID TANK

Client : Chandra Asri Petrochemical
 Location : Cilegon

PP DEBOTTLENECKING PROJECT

Client : Chandra Asri Petrochemical
 Location : Cilegon

MOLTEN SULFUR

Client : South Pacific Viscose (SPV)
 Location : Purwakarta

HARUM WATER TREATMENT PROJECT

Client : South Pacific Viscose (SPV)
 Location : Purwakarta

INFRASTRUCTURE PLANT

LOBP (MONAS) 1.0 & 2.0

Client : Shell
 Scope : Product Tanks, Instr & Utility Air, Boiler, Nitrogen, Water Treatment, EDG, Warehouse
 Location : Marunda

JAMBARAN TIUNG BIRU

Client : Pertamina EP
 Scope : Buildings, Roads, Fences, Drainage, Equipment Pckg, Workshop, Telecom Tower, Piping, FW, Potable Water.
 Location : Bojonegoro

UTILITY PLANT

BLOCK A GAS DEVELOPMENT

Client : Medco EP Malaka
 Scope : Condensate Tank, Instr & Utility Air, Boiler, Nitrogen, Water Treatment, GEG+EDG, Warehouse
 Location : Aceh

DONGGI SENORO LNG

Client : Donggi Senoro LNG
 Scope : LNG Tank, Jetty, Instr & Utility Air, Nitrogen, Water Treatment System, GTG+EDG
 Location : Luwuk Banggai

TANK FARM (SAMBU II)

Client : Vopak Terminal Merak
 Scope : Product Tanks, Loading Station, Pipeline, EDG, Substantion
 Location : Merak

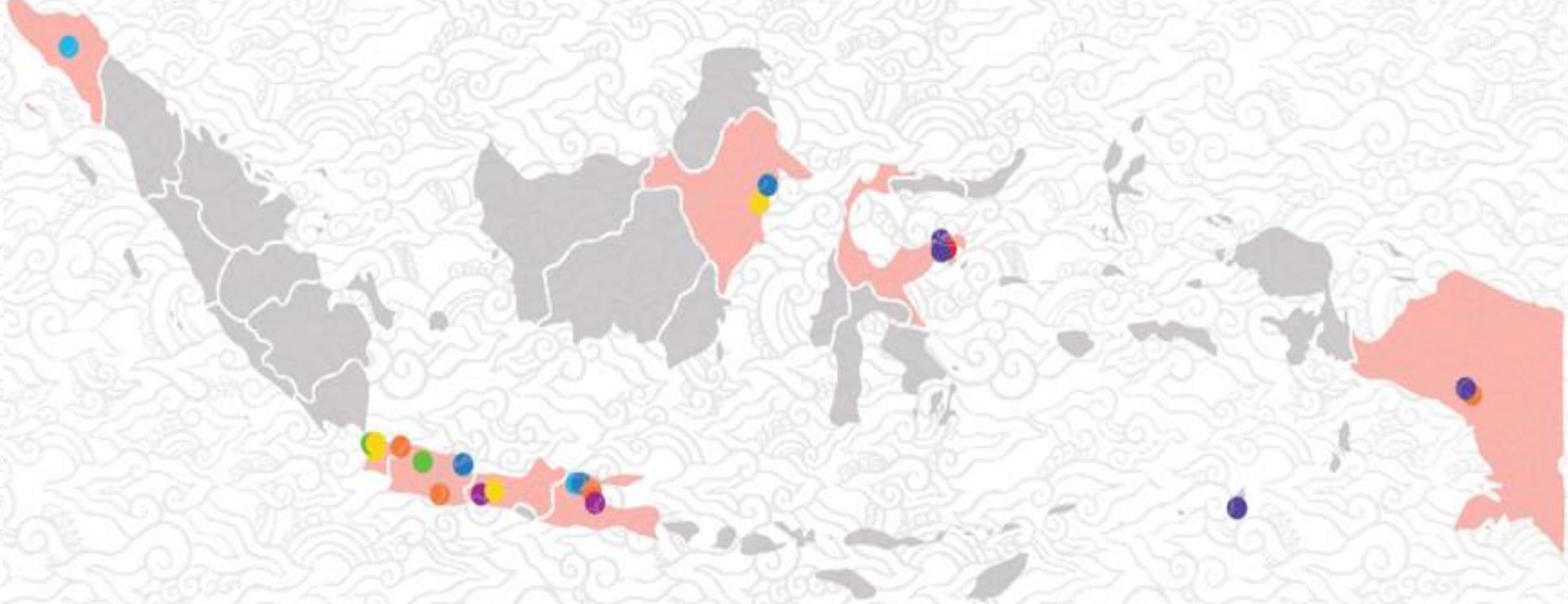
REGAS TERMINAL & MINI LNG

SUMBAWA LNG REGAS TERMINAL (2019 PROPOSAL)

Client : Medco Power
 Scope : LNG Gasification (AAV), LNG Tank, Instr & Utility Air, Nitrogen, Water Treatment, EDG
 Location : Sumbawa

What We Do

The Fields of Some Major Projects



- LNG PLANT
- REFINERY PLANT
- GAS PROCESSING PLANT
- PETROCHEMICAL PLANT
- UTILITY PLANT
- INFRASTRUCTURE PLANT
- POWER PLANT
- REGAS TERMINAL & MINI LNG
- AIRPORT REFUELING FACILITIES

What We Do

QHSSE Certifications



Current issue date: 1 December 2021
 Expiry date: 30 November 2024
 Certificate identity number: 10427059

Original approval(s): ISO 9001 – 28 November 1994

Certificate of Approval

This is to certify that the Management System of
PT JGC Indonesia

Jl. TB. Simatupang 7-B Jakarta 12430, Indonesia

has been approved by LRQA to the following standards:

ISO 9001:2015

Approval number(s): ISO 9001 – 0044751

The scope of this approval is applicable to:

Project management, engineering, procurement and construction management for the oil and gas, petrochemical, chemical and industrial plants.

Luis Cunha

Area Operations Manager - SAMEA
 Issued by: PT. Lloyd's Register Indonesia
 for and on behalf of: Lloyd's Register Quality Assurance Limited



LRQA Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'LRQA'. LRQA assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or for any other reason, unless that person has agreed in writing with the relevant LRQA entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.
 Issued by: PT. Lloyd's Register Indonesia, LRQA Indonesia, One Tower 1 12th Floor, Kawasan Mega Kuningan, Jl. Mega Kuningan Barat IX Kav. E4.3 No 1, Jakarta 12500, Indonesia for and on behalf of: Lloyd's Register Quality Assurance Limited, 1 Trinity Park, Bickenhill Lane, Birmingham B37 7ES, United Kingdom



Current issue date: 4 February 2020
 Expiry date: 3 February 2023
 Certificate identity number: 10248012

Original approval(s): ISO 14001 – 23 January 2008

Certificate of Approval

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PT JGC Indonesia

Jl. TB. Simatupang 7-B Jakarta 12430, Indonesia

has been approved by Lloyd's Register to the following standards:

ISO 14001:2015

Approval number(s): ISO 14001 – 0044762

The scope of this approval is applicable to:

Project management, engineering, procurement and construction for the oil and gas, petrochemical, chemical and industrial plants.

Luis Cunha

Area Operations Manager - SAMEA
 Issued by: PT. Lloyd's Register Indonesia
 for and on behalf of: Lloyd's Register Quality Assurance Limited



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Current issue date: 24 November 2019
 Expiry date: 22 July 2022
 Certificate identity number: 10315024

Original approval(s): ISO 45001 – 28 November 2019

Certificate of Approval

This is to certify that the Management System of
PT JGC Indonesia

Jl. TB. Simatupang, No. 7-B, (Sebrang Cilandak Town Square - Citos), Jakarta, 12430, Indonesia

has been approved by Lloyd's Register to the following standards:

ISO 45001:2018

Approval number(s): ISO 45001 – 0044486

This certificate is valid only in association with the certificate schedule bearing the same number on which the locations applicable to this approval are listed.

The scope of this approval is applicable to:

Project management, engineering, procurement and construction for the oil and gas, petrochemical, chemical and industrial plants.

Luis Cunha

Area Operations Manager - SAMEA
 Issued by: PT. Lloyd's Register Indonesia
 for and on behalf of: Lloyd's Register Quality Assurance Limited



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JIND ISO 9001:2015
Certificate
 Quality Management
 System Certification

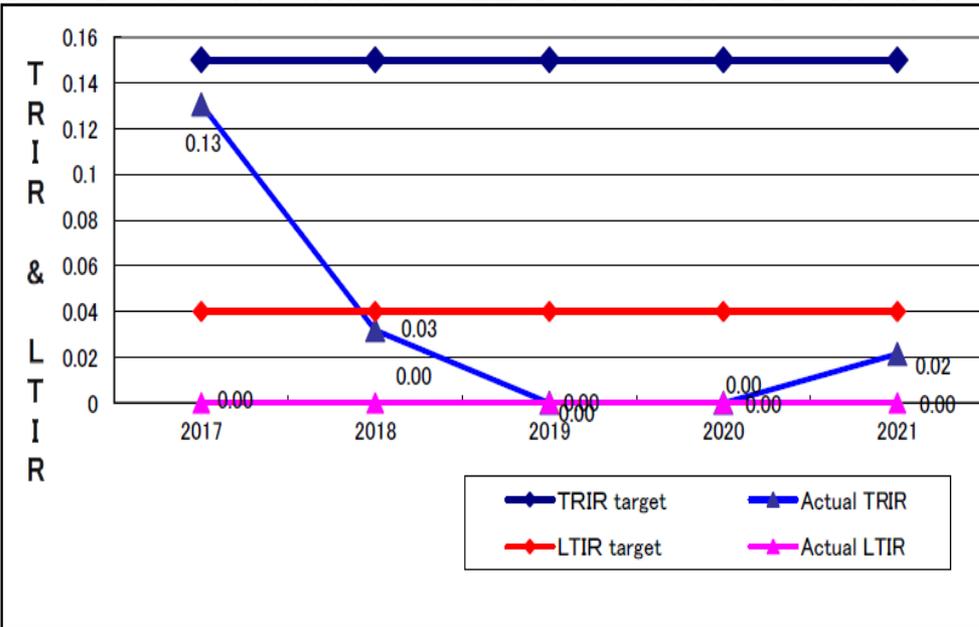
JIND ISO 14001:2015
Certificate
 Environmental Management
 System Certification

JIND ISO 45001:2018
Certificate
 Occupational Health and Safety
 Management System Certification

What We Do

Some Major Achievement

One of the World's Best Safety Contractors
 JGC's own safety program " Incident Injury Free –
 Respect and Care



Some Major Achievements



Engineering, Procurement and Construction Contract for the Execute Phase of The Block A Gas Development Project, Aceh PT. MEDCO E&P Malaka, Indonesia, 2019



IPMA (International Project Management Award Global Finalist, Block-A Gas Development Project,2019



Recognition of Outstanding Achievement 16 Million Safe Manhours Without Lost Time Injury, Blue Sky Project, Cilacap PT Pertamina (Persero). Indonesia, 2019



Group Distinction Award, Tangguh LNG Operation. Indonesia, 2017

Our Project



Jimbaran Tiung Biru



Marunda 2.0



Donggi Senoro LNG Project



JX Noli Lube Plant



Monas Project



PP Debottlenecking Project



Sambu II Project



Hydrant System Juanda



Revamp Balongan



Our Clients



PT POLYTAMA PROPINDO



PETRONAS



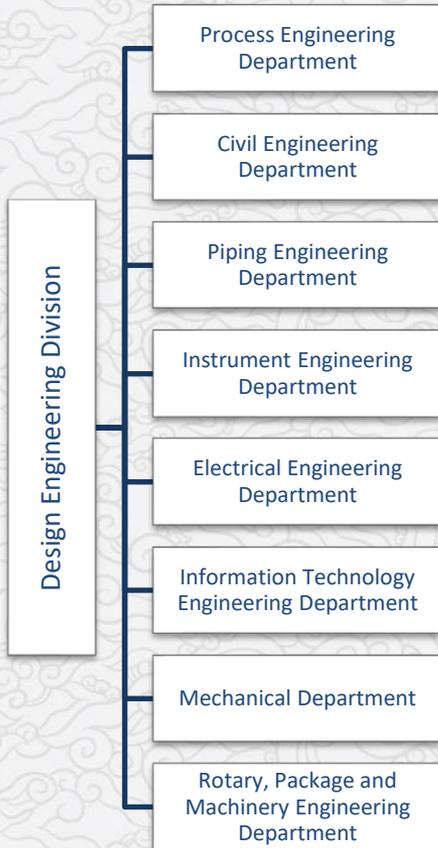
JX Nippon Oil Energy & Lubricants Indonesia



ENGINEERING

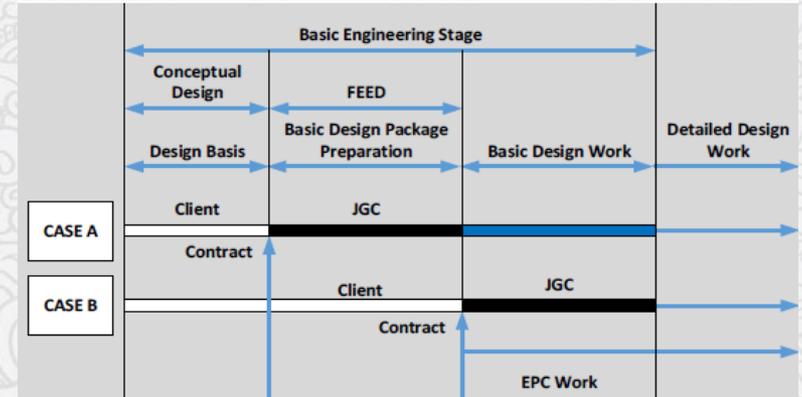
Our Design Group Disciplines operates under Design Engineering Division with total manpower of 600 (as of 2022).

Engineering Manpower



Engineering Services

1. Feasibility Studies
2. Front End Engineering Design
3. Basic Engineering
4. Detailed Engineering Design
5. Shop Fabrication / Engineering Drawings
6. Construction Drawings
7. As-Built Drawing
8. Optimization Study
9. Support for Procurement, Construction and Operation & Maintenance



Engineering Tool and Software

Civil

1. Staad Pro Connect
2. Tekla Structure v2.1
3. SACS OSE (Offshore Ent.)
4. SACS FADR (Fatuiue)

Process

1. HTRI XfH ULTRA
2. PRO II10.1
3. BEST PIPE PLUS
4. HYSYS/ASPEN v.10.1
5. Pipenet v.1.9
6. Spray Sprinkler module
7. Transient module
8. SPPID 2014 R1Electrical

Electrical

1. ETAP Power Station v.18.1Dialux 4.12
2. Dialux 4.12
3. Chalmrite 4.05

General 2D/3D Eng. Tools

1. S3D 2016
2. PDMS
3. SPR 2018
4. Microstation J/7. 8
5. Iplot client 10.1
6. Iplot Profesional 10.1
7. Autocad 2020
8. Primavera P6 EPPM 18.8
9. Primavera Risk Analysis 8.7.5
10. Naviswork Manage 2019
11. Naviswork Simulate 2019
12. SmartSketch 2016
13. COSTX
14. Oracle

Piping

1. Caesar II Ver 2018
2. JMMS (Material management System)

Mechanical

1. Aspen EDR v.10.1
2. PV Elite 2018
3. Tank 2019
4. Nozzle Pro 2018
5. CODEWARE Compress 7820 include ASME VIII – 2

Instrument

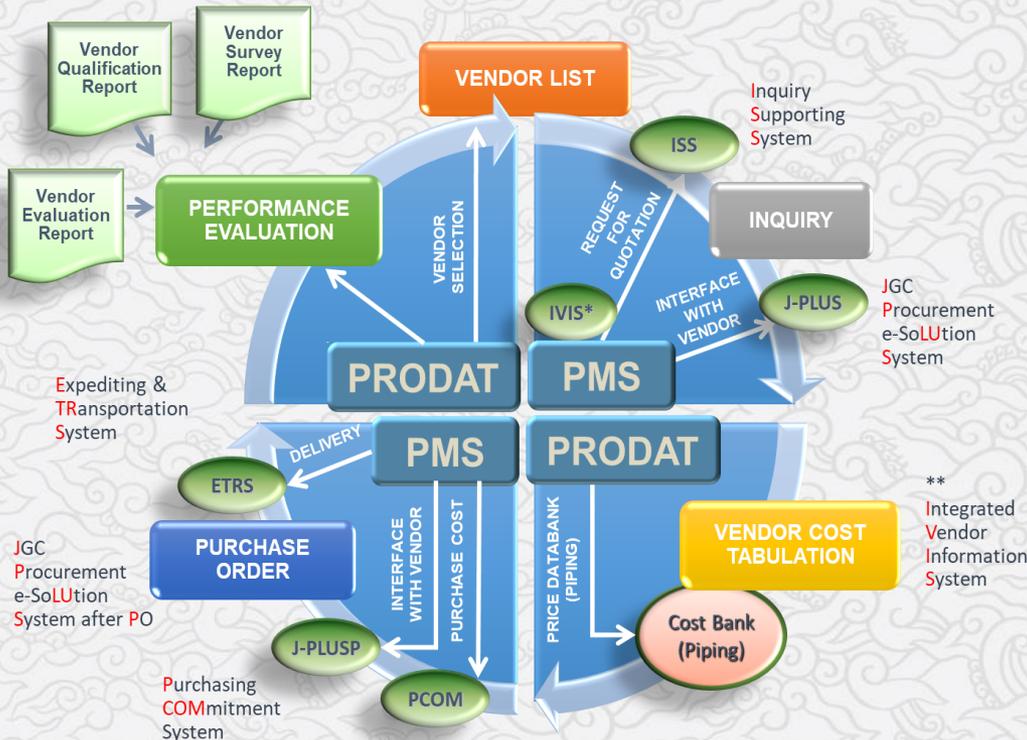
1. InstruCalc 1.9

PROCUREMENT

Providing the most appropriate Equipment, Machinery and Bulk Materials to Owner continuously by the worldwide Procurement. Procurement phase including Procurement, Expediting, Logistic (inc. custom clearance) and Material Management.



Procurement System



Expediting Activities



Including Establishment of Expediting Schedule, Monitoring and Expediting Vendor's Works, & Taking corrective action against problem.

Logistic Activities

JGC Logistic Experience:

- CCR Regeneration Module (Blue Sky Project)
- Stripper (Blue Sky Project)
- Deisohexanizer (Blue Sky Project)
- Slug Catcher (Block-A Project)



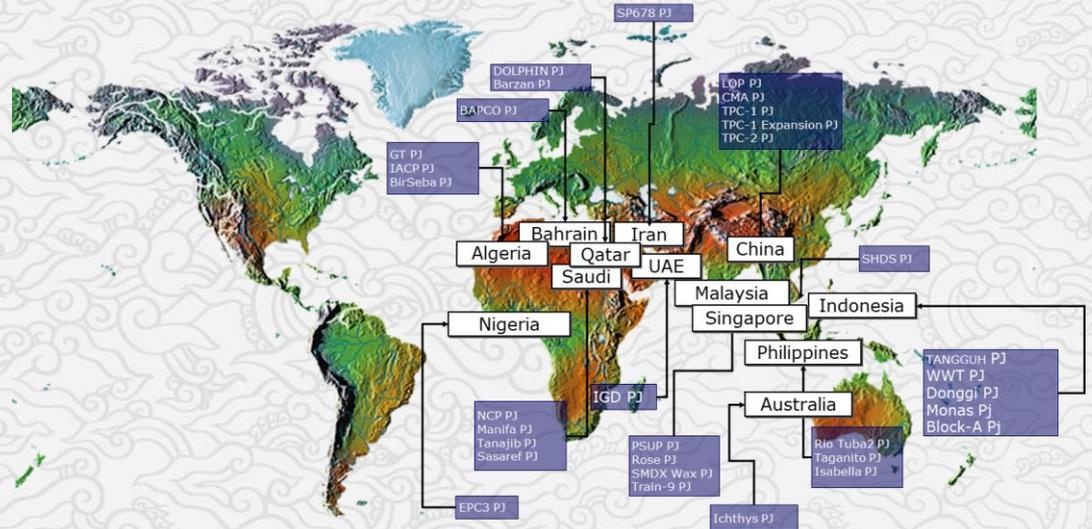
CONSTRUCTION MANAGEMENT SYSTEM (CMS)

The Construction Management System (CMS) is a **tool** developed by JGC Construction **for effectively managing JGC construction related activities in all of its projects worldwide.**

CMS Characteristic:

1. Provides **seamless collaboration** across all disciplines, sub-contractors and vendors by streamlining procedures and processes.
2. Has features and functionalities for the **effective management of inventories and work progress.**
3. **Web-based application**
4. Allows JGC's operation centers to **share information and provide valuable resources** for supporting all its projects even if it is situated in remote locations across the globe.

CMS Usage History



CMS Operation and Function

WMS	Workfront Monitoring System
MAC	Material Control System
FSC	Field Change Control System
WEC	Welding Control System
FMS	Flanges Management System
PSM	Piping Status Monitoring System
TPC	Test Package Control System

Piping Construction Management

CMS Advantage

- Material Reservation as per Work Priority
 - Powerful Control over Subcontractor's work
- Improved Welding and Test Package Control
 - Work Backlog (Bottleneck) can be Monitored in Detail
- Controlling All Critical Construction Information by JGC
 - JGC can Lead the Construction Execution

JGC Indonesia O&M Capability

✓TA Supervision, such as TA Overhaul Boiler, Heat Exchanger, Etc

✓Supply O&M Welding Inspector, API 653 Inspector, Pressure Vessel Inspector, Mechanical Supervisor as per Client's expertise

Assessment of Tank Repair and Construction Job

TAR Management support, TAR Inspection such as implementation of AMIS- RBI Support module

Blanket Contract for Mechanical Piping, E&I, Structural, Civil Modification & Installation Work

Constructability Study & TA Management Support

A-MIS

TurnOver Management System (TOMAS)

TOMAS is developed to support system turnover process.

Product Description

1. Focused on turnover work.
2. All objects are managed system-wise.

TOMAS has provenly implemented More **than hundreds Project** in **JGC Group**, including:
DS LNG, PLCB, Blok A, CBNH2, Pearl GTL, NCP, THPAL, GASCO IGD, Etc.

Easy to use feature including:



Web Based
Architecture with
worldwide access



Excel
Compatibility



Powerful
Reporting

System Concept



JGC Document Management System (J-DMS)

JGC Document Management System as we know as JDMS.

Product Description

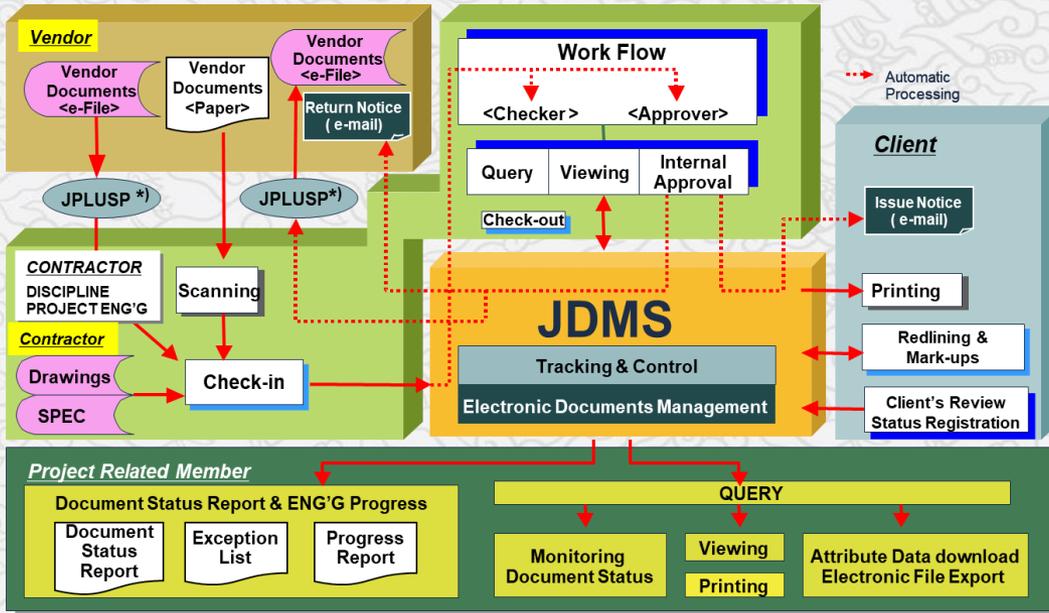
Main Function:

1. Manage document attributes and e-files
2. Workflow
3. Distribute to related project members
4. Collaboration and Review
5. Integrated related system

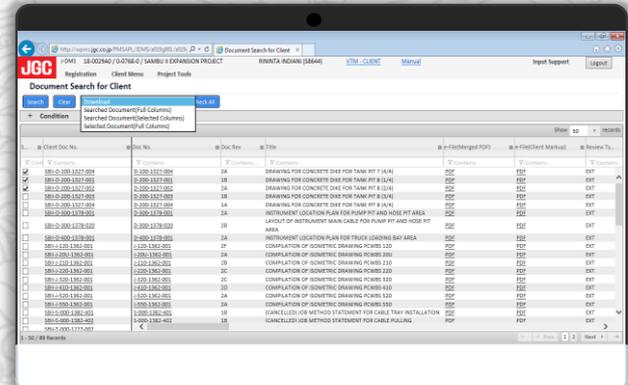
Feature of JDMS

- Integrated Document Control Function with Electronic Document Management System
- Web-Based System → Enable World-Wide Collaboration
- Electronic Workflow Function
- Automatic Notice Function
- Auto Rendition to PDF (with Electronic Stamp)

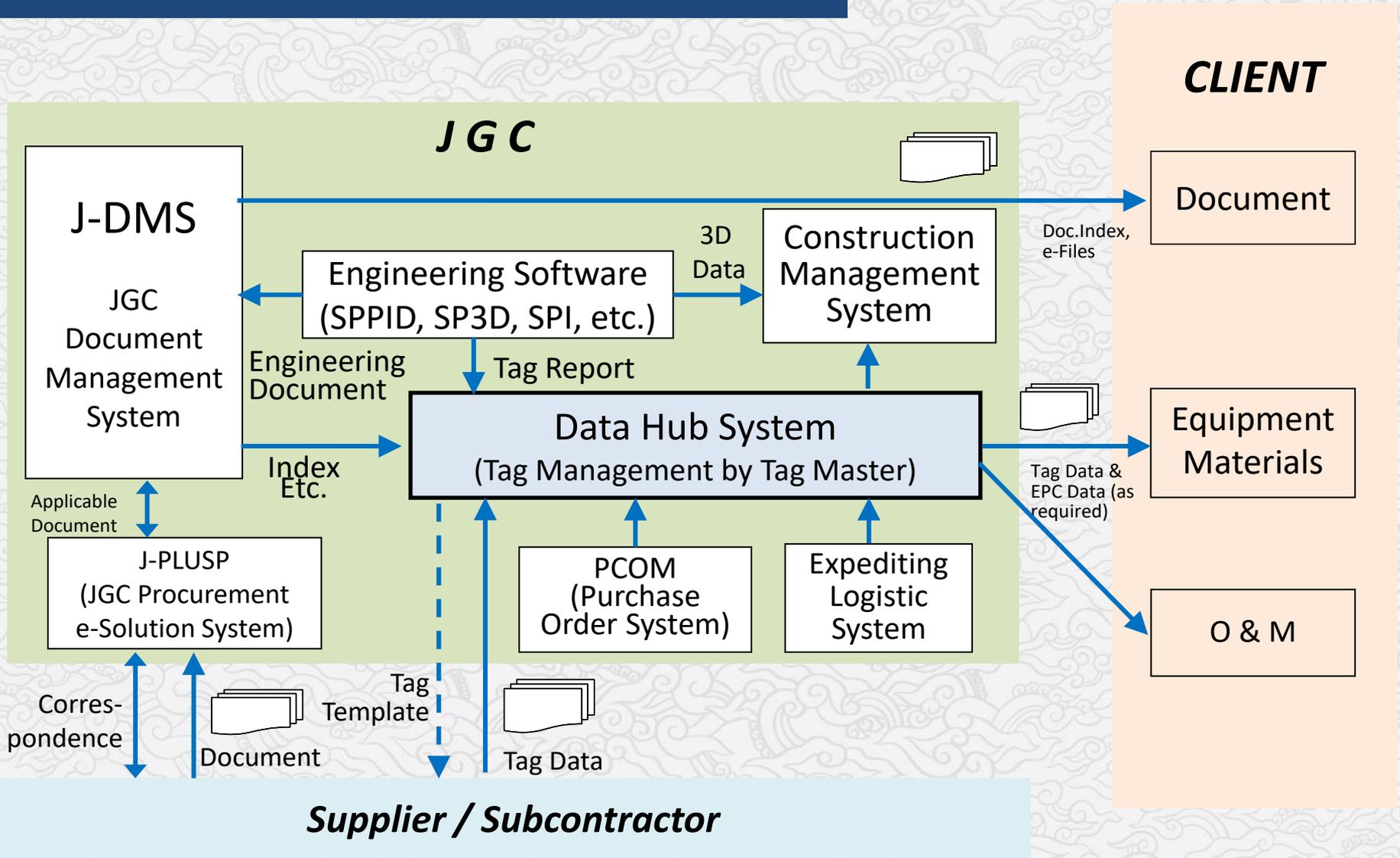
JDMS Conceptual Diagram



More 50 Projects are using this system.



PROJECT MANAGEMENT SYSTEM



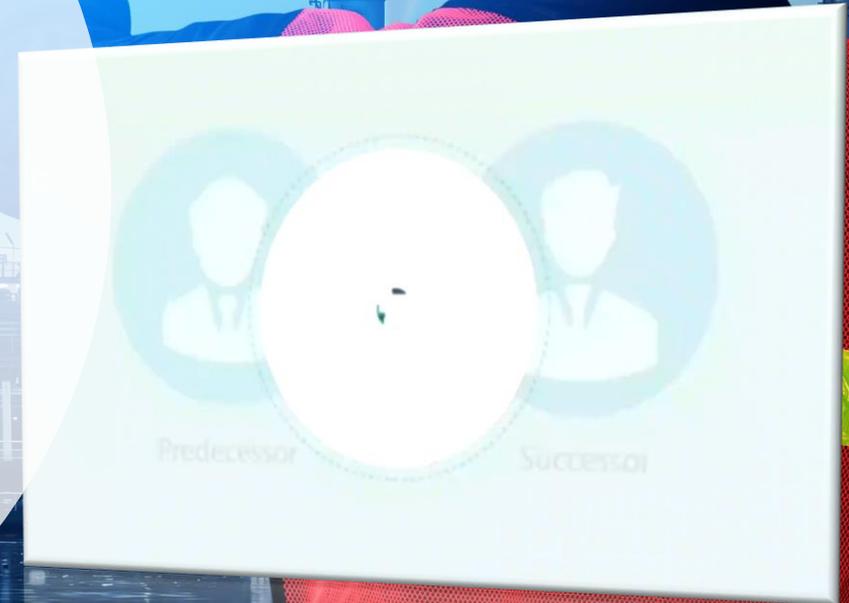
OPERATIONAL EXCELLENCE SERVICE MAP



Digital Transformation

Through the application of IoT, we are aiming to improve productivity in each phase of EPC project execution and data analysis such as :

- MH/MP Management System
- Document Management System
- Material Management
- CMS (Construction Management System)
- Turn Over Management System



Contact Us



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THANK YOU