






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

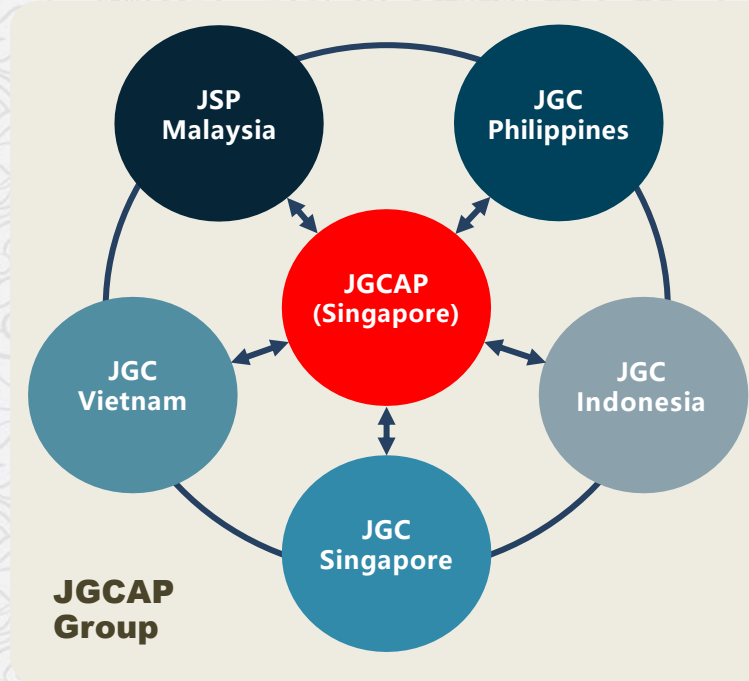
- ✓ Vietnam
- ✓ Laos
- ✓ Cambodia
- ✓ Myanmar



Achieve efficient business expansion through integrated group operation

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

**From January 2022**



- ✓ Philippines
- ✓ Micronesia
- ✓ Papua New Guinea

- ✓ Indonesia
- ✓ East Timor

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

# 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

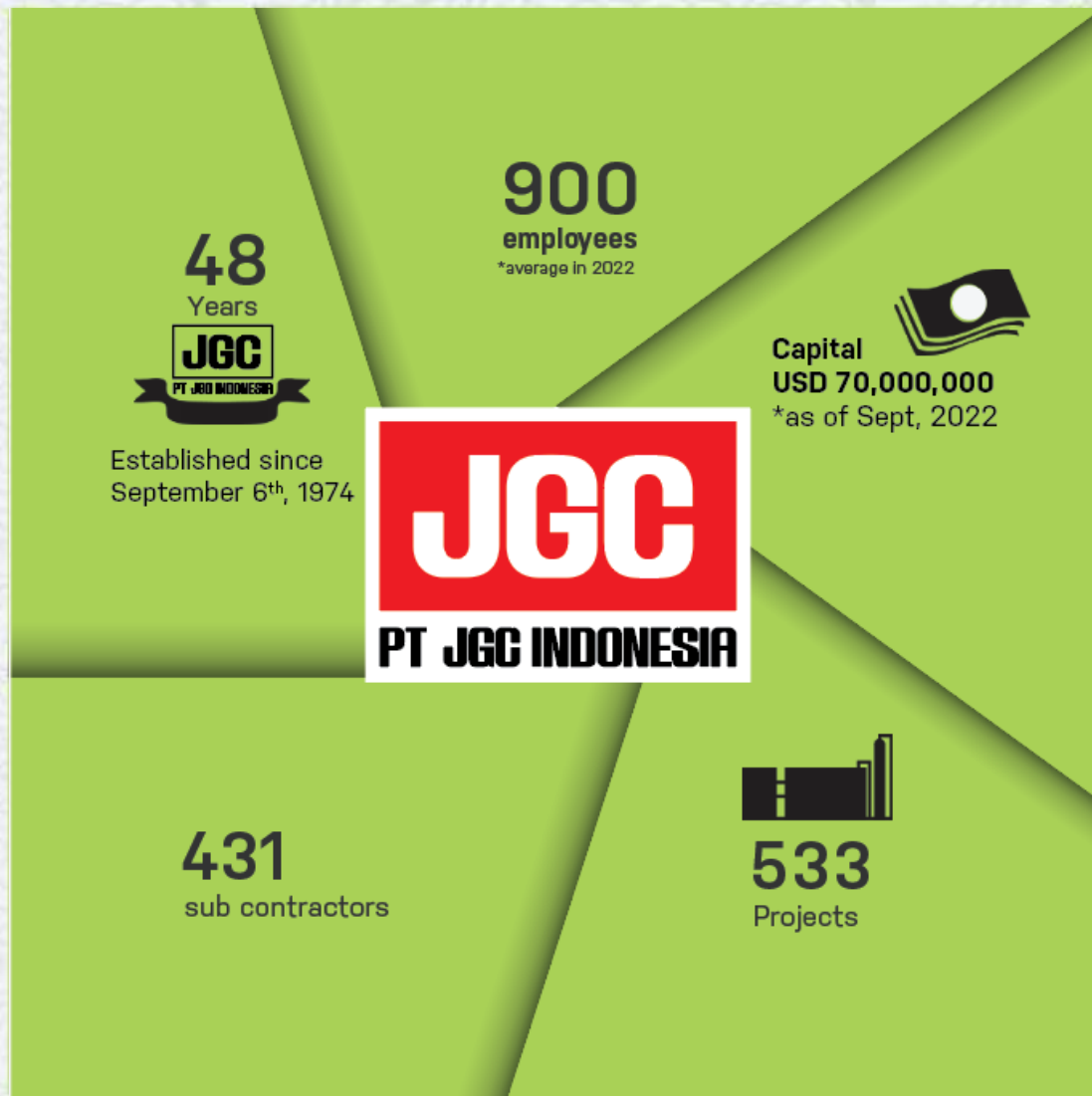
UTILIZING INTELLECTUAL CAPITAL AND  
OPERATIONAL ASSETS TO FOSTER  
SUSTAINABLE GROWTH



### 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**

THE REPUTABLE COMPANY FOR INTEGRATED SOLUTION IN EPC BUSINESS

**JGC PT JGC INDONESIA**



# Some Major Projects Expertise

## 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

## 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

## 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

## 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

## 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

## 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

## 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

## 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

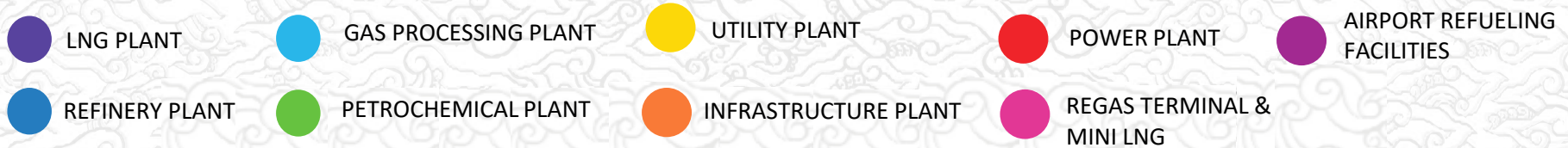
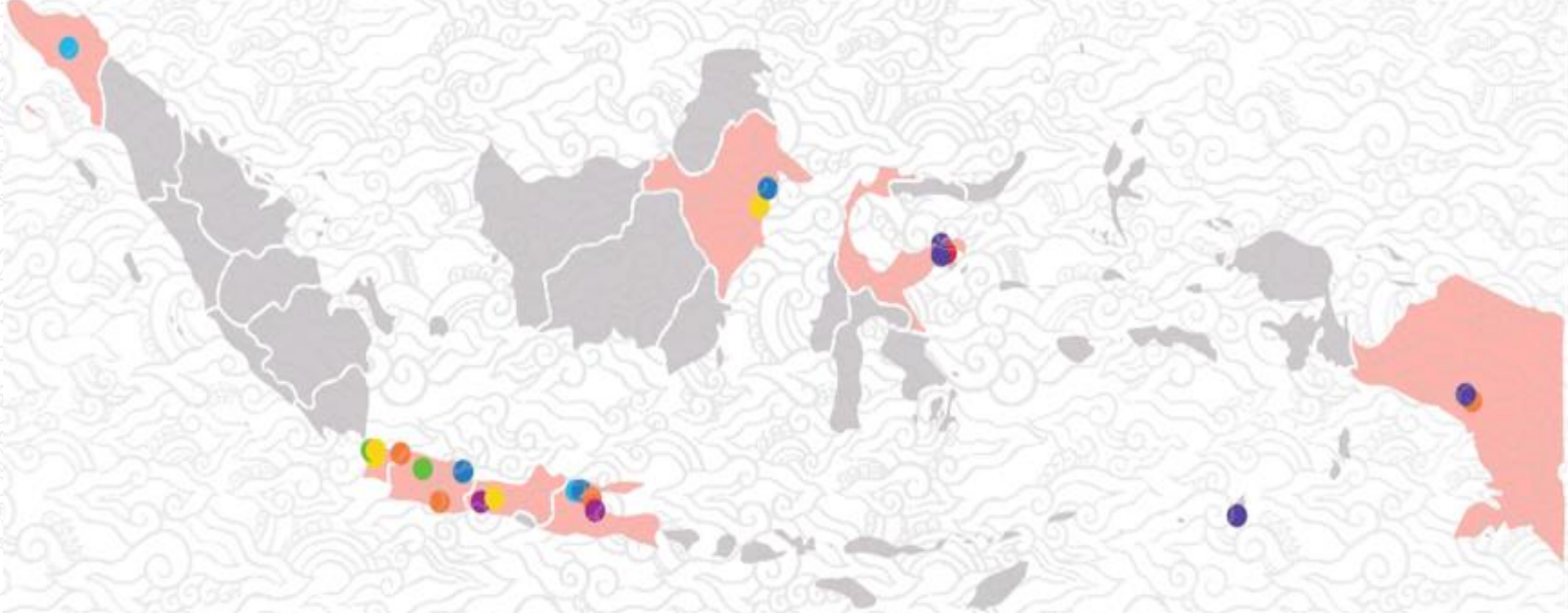
### JUANDA AIRPORT

Client : PT Pertamina (Persero)  
Location : Surabaya



# What We Do

## The Fields of Some Major Projects





# What We Do

## QHSSE Certifications



Current issue date: 1 December 2021  
Expiry date: 30 November 2024  
Certificate identity number: 10407699

Original approval(s):  
ISO 9001 - 22 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



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

Original approval(s):  
ISO 14001 - 23 January 2009

### 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 – 0044752

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 - 24 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

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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

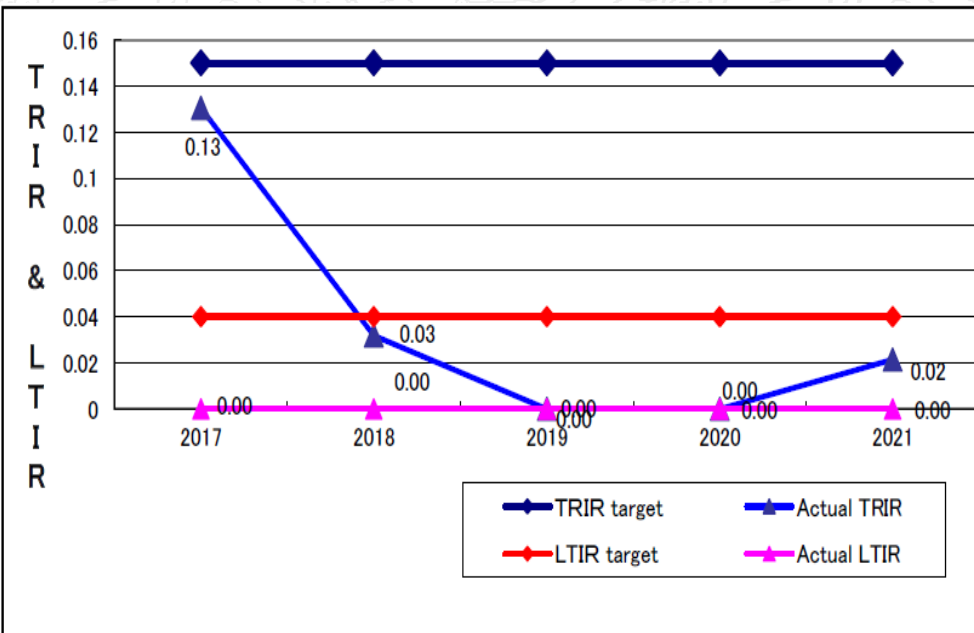
Occupational Health and Safety  
Management System Certification



# 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**





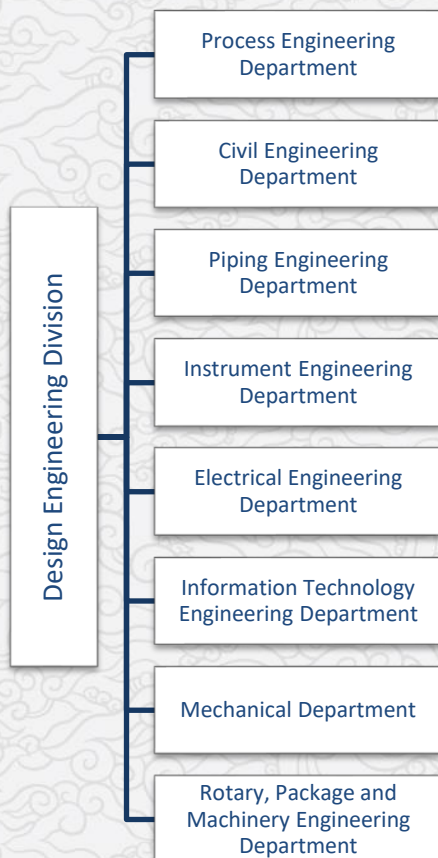
## Our Clients



# ENGINEERING

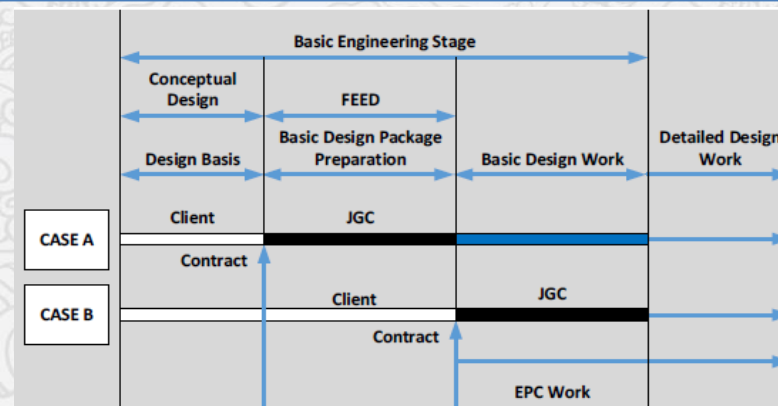
Our Design Group Disciplines operates under Design Engineering Division with total manpower of 600 (as of 2022).

## 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 (Fatigue)

### 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







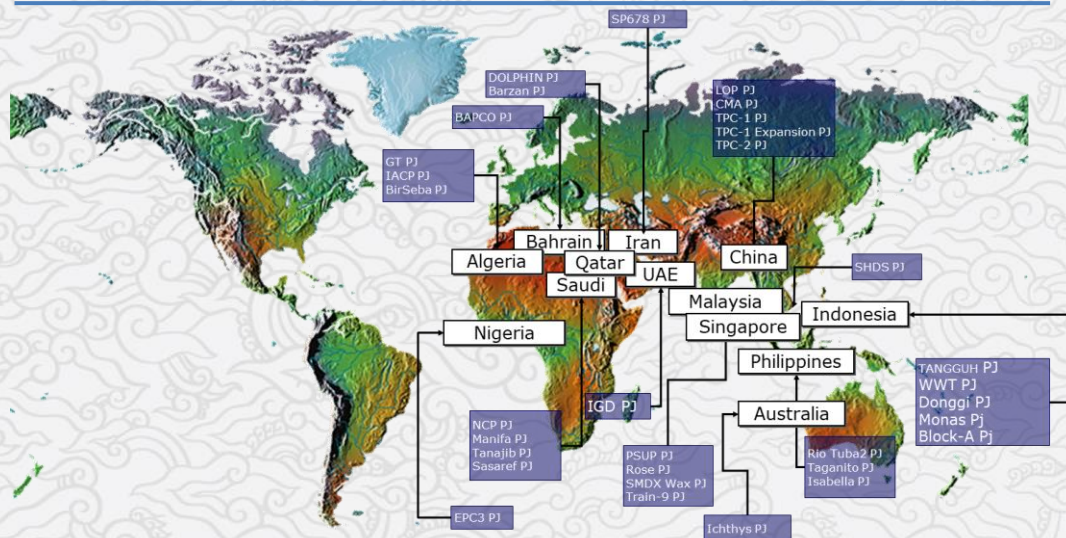
## CONSTRUCTION MANAGEMENT SYSTEM (CMS)

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

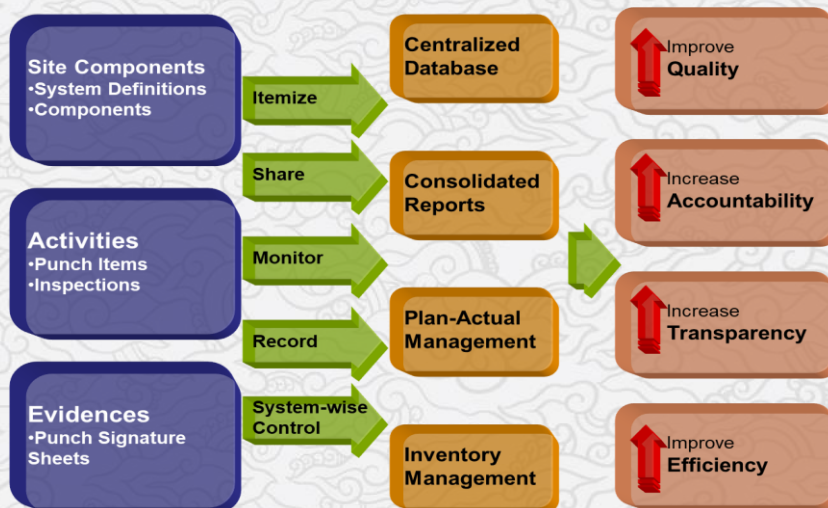


Excel  
Compatibility



Powerful  
Reporting

### System Concept



## JGC Document Management System (J-DMS)

JGC Document Management System as we know as JDMS.

### Product Description

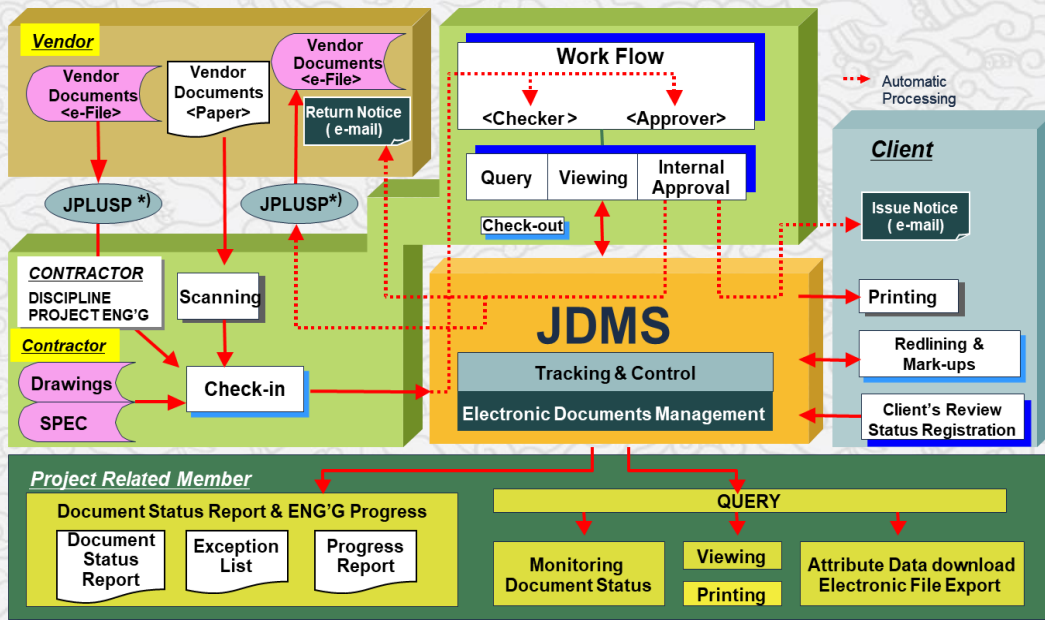
Main Function:

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

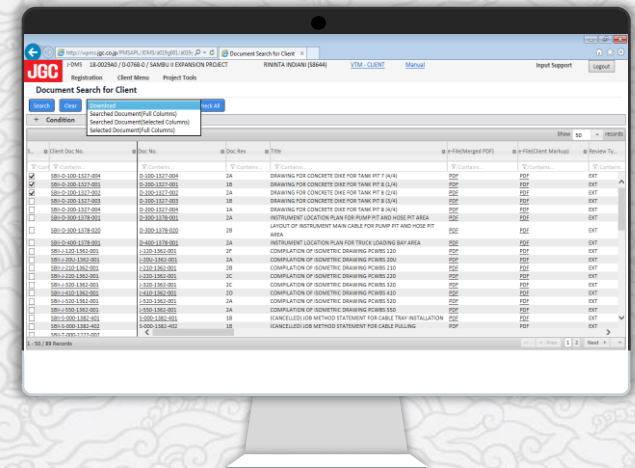
Feature of JDMS

- 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

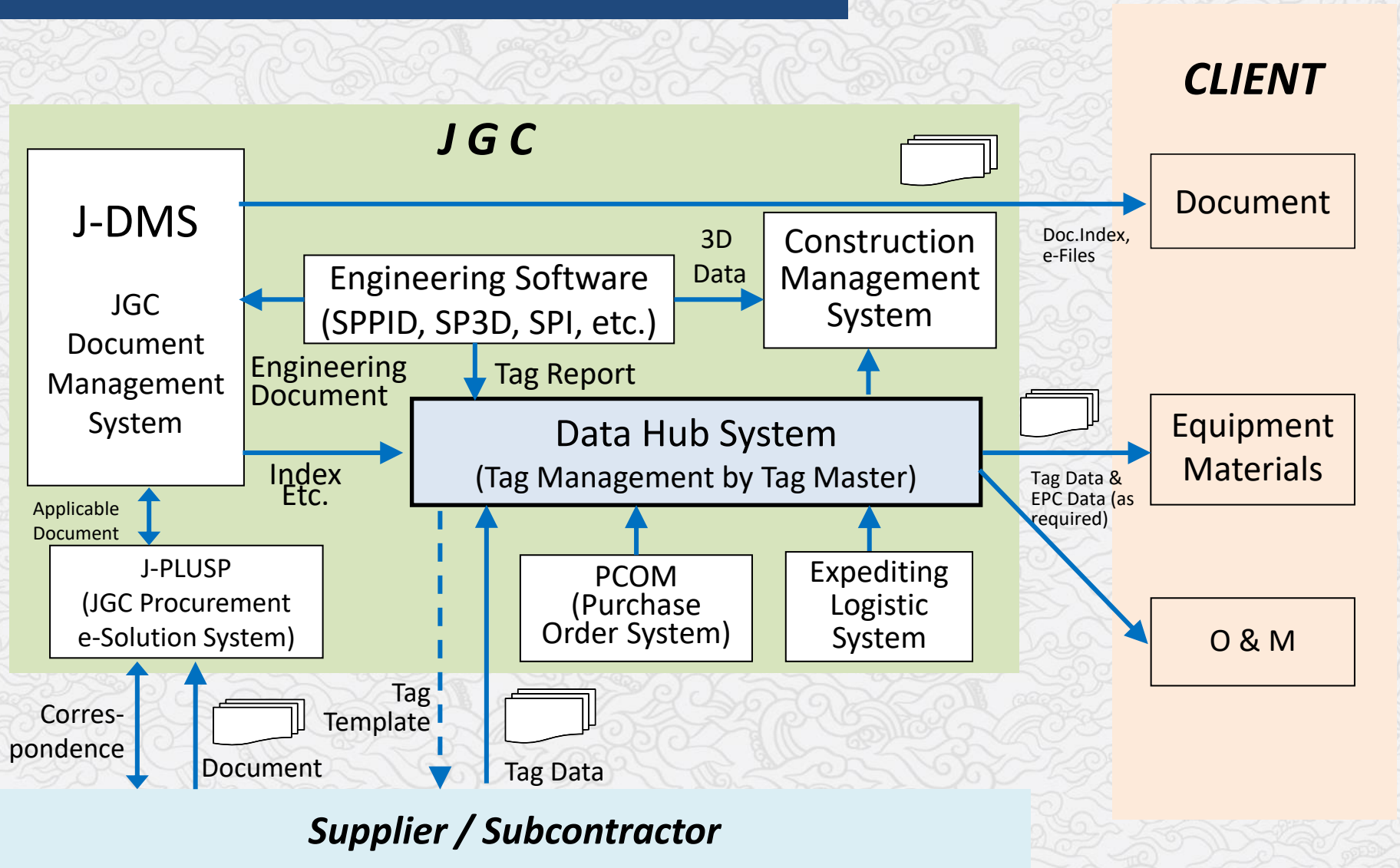


More 50 Projects are using this system.





# 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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THE REPUTABLE COMPANY FOR INTEGRATED SOLUTION IN EPC BUSINESS

# THANK YOU

**JGC PT JGC INDONESIA**