



IGNATIUS AGUS RAHARJO

OFFSHORE ENGINEER

CONTACT

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EXPERIENCE

August 2020–October 2020

Offshore Field Engineer • **SIGUR ROS – KALYON INŞAAT**

July 2020

Installation Engineer • **PT SEASCAPE INDONESIA**

July 2018 – December 2018

Offshore Methods Engineer • **SAIPEM SHARJAH ENGINEERING**

May 2018 – July 2018

Offshore Field Engineer • **BUMI ARMADA – CASPIAN SERVICE CONTRACTOR LLC**

July 2015 – July 2016

Fabrication and Installation (rigid) Pipeline Engineer • **ENI INDONESIA**

June 2014 – June 2015

Offshore Installation Engineer • **BUMI ARMADA BHD**

June 2012– April 2014

Field Engineer • **SIGUR ROS SDN BHD**

January 2009 – November 2010

Offshore Methods Engineer • **SAIPEM SHARJAH ENGINEERING**

December 2005 – December 2008

Marine Field Engineer • **PT MCDERMOTT INDONESIA**

July 2005 – November 2005

Design Engineer • **PT SAPTA ADHI PRATAMA**

April 2004 – April 2005

Site Engineer • **PT JAYA KONSTRUKSI MANGGALA PRATAMA**

October 2003 – March 2003

Construction Supervisor • **PT CELIO MITRA GRAHA**

EDUCATION

November 2016 – October 2017

Master Specialization Level II of Navigation and Related Applications • **Politecnico di Torino, Italy**

January 2011 – July 2013

Master of Ocean Engineering • **Institut Teknologi Bandung, Indonesia**

August 1999 – October 2003

Bachelor Degree of Civil Engineering • **Institut Teknologi Bandung, Indonesia**

PAPER PUBLICATION

Rain Barrel Project : Rainwater Harvesting for Sustainable Water Supply in Urban Households • Rosita Widjojo and Ignatius Agus Raharjo • 3rd ICONIC (International Conference of Integrated Intellectual Community) 2018, Germany

SKILLS

LANGUAGE: English (fluent), Bahasa(native), Italian(intermediate), French(basic)

COMPUTER:

- **Operating System:** Windows, Mac OS, Linux, MS Office
- **Engineering:** Mathcad, MS Project, SAP2000, Arc GIS
- **Design:** Autocad, Photoshop
- **Programming:** Javascript, Node Js, Sequelize, Postgresql, MongoDB, Apollo, React Js, React Native, JQuery

PROJECT EXPERIENCES

August 2020–October 2020

Offshore Field Engineer • **SIGUR ROS – KALYON INŞAAT**

Project: **Turkey – Republic North Cyprus Pipeline Repair**
Client: **DSI - General Directorate of State Hydraulic Works – Turkey Government**
Description: Installation of new anchor at 300m water depth, replacement of damage sections of suspended pipeline installation, tie-in suspended pipeline section and on-bottom pipeline section
Responsibilities: Preparation of mobilization, prepare installation procedures and task plans, supervise offshore installation by coordinating each party involved, and arrange materials and equipment for installation.

July 2020

Installation Engineer • **PT SEASCAPE INDONESIA**

Project: **ROV works for various projects in Indonesia**
Client: **Kangean Energy Indonesia, BW Offshore, Premier Oil Indonesia**
Description: Various task by ROV such as: GVI survey, retrofitting, grouting
Responsibilities: Prepare installation procedures and task plans, assist Offshore Construction Superintendent in Engineering matter.

July 2018 – December 2018

Offshore Methods Engineer • **SAIPEM SHARJAH ENGINEERING**

Project: **Long Term Agreement – Manifa Field, Gulf Saudi Arabia**
Client: **Saudi Aramco**
Description: Subsea pipeline installation, replacement of subsea spools.
Responsibilities: Prepare materials, arrangement with subcontractor for fabrication of permanent materials, prepare installation procedure, and supervise offshore work to liaise with client and subcontractor.

May 2018 – July 2018

Offshore Field Engineer • **BUMI ARMADA – CASPIAN SERVICE CONTRACTOR LLC**

Project: **Filanovsky Development, Caspian Sea Russia**
Client: **Lukoil**
Description: Subsea pipeline installation, dredging, spool installation
Responsibilities: Assist project engineer and OCS for offshore installation

July 2015 – July 2016

Fabrication and Installation (rigid) Pipeline Engineer • **ENI INDONESIA**

Project: **Jangkrik Project, East Kalimantan Indonesia**
Client: **SKK Migas**
Description: Scope of work in rigid lines such as fabrication of 4", 12", and 24" linepipe, including the coating, installation of the line from shoreline to the Jangkrik Field

Responsibilities: As Company representative during fabrication and installation of all rigid lines, review the engineering and installation procedure documents from Contractor / Subcontractor related to the pipeline activities

June 2014 – June 2015

Offshore Installation Engineer • **BUMI ARMADA BHD**

Project: **Development Project Filanovsky – Korchagin Field, Russia**
Client: **Lukoil**
Description: Installation of sectional and new pipelines of 6in, 12in, 16in, 22in, and 26in, including pit dredging, post trenching, subsea spool installation, and pre-commissioning pipelines.
Responsibilities: Involve in the project management to detail the scope of work project, schedule, and correspondence to the client. Responsible for supplying permanent materials for pipelines, selection of subcontractor, and following the production of permanent material and subcontractor scope of work, Preparing procedure and following the installation of the subsea pipelines

June 2012– April 2014

Field Engineer • **SIGUR ROS SDN BHD**

Project: **Pipeline Replacement Project 2013, North West Java Indonesia**
Client: **Pertamina Hulu Energi ONWJ**
Description: Installation of new 4in, 1 sec 6in, 12in, and 16in pipeline, installation of new riser, subsea spool, and riser stalk-on, removal, and pre-commissioning.
Responsibilities: Perform study for pipeline installation and all the facilities in the scope of work project. Prepare drawing and materials in order to fabricate temporary and permanent material. Perform and supervise offshore activities.

Project: **Transportation and Installation of Offshore Facilities for Diyarbekir Development Project, Turkmenistan**
Client: **Petronas Carigali (Turkmenistan)**
Description: Installation of subsea pipeline, subsea spool, jacket and floatover platform.
Responsibilities: Onshore preparation. Modification, fabrication, and load out of installation aids and all materials for pipeline installation and structural installation.

Project: **Tender of Pipeline Installation 2014-2016, Malaysia**
Client: **Petronas Carigali**
Description: Tender for some packages including: pipeline installation, riser and subsea spool installation, pipeline crossing, cable installation, pipeline pre-commissioning, and module installation.
Responsibilities: Prepare tender documents such as Project Execution Plan, schedule, etc.

Project: **Pipeline Replacement Project 2012, North West Java Indonesia**
Client: **Pertamina Hulu Energi ONWJ**
Description: Installation of new 6in, 10in, and 12in pipelines with total length approx. 18km including, crossing supports installation, installation new riser and subsea spool, removal and end capping existing pipeline, pre commissioning.

Responsibilities: Perform study for pipeline installation and all the facilities in the scope of work project.
Prepare drawing and materials in order to fabricate temporary and permanent material.
Perform offshore activities.

January 2009 – November 2010

Offshore Methods Engineer • **SAIPEM SHARJAH ENGINEERING**

Project: **Long Term Agreement, Safaniya Zuluf and Berri Field Saudi Arabia**
Client: **Saudi Aramco**
Description: Scope of work for pipeline: installation of 42km subsea pipeline in SAFANIYA field, 3 Nos of pipeline in ZULUF field and 1 No of pipeline in BERRI field, including shorepull, subsea spools, risers and crossings.
Responsibilities: Perform study for pipeline and all the facilities in the scope of work project. Prepare drawing and materials in order to fabricate temporary and permanent material

December 2005 – December 2008

Marine Field Engineer • **PT MCDERMOTT INDONESIA**

Project: **EPCI Offshore Gas Pipeline Su Tu Vang/ Su Tu Den – Rang Dong Project, Vietnam**
Client: **Petro Vietnam Gas**
Description: 16" O.D. x 12.5 mm w.t. x 43.5 km length gas pipeline with 2ea future tee (from Su TU Vang CPP Platform to JPVC Rang Dong), crossing installation at JPVC Rang Dong, pigging and hydrotest the pipeline, PLEM installation at JPVC Rang Dong, Tie-in spool installation at JPVC Rang Dong and Su Tu Vang CPP, Dewatering and inerting pipeline.
Responsibilities: Field engineered in Batam Marine Base, coordination for preparation in Batam marine base including pre-fabrication of spools, PLEM fabrication, and installation aid fabrication. preparing Pipelay and Crossing Procedure, PLEM and Tie-In Spool Procedure

Project: **Substructure and Pipelay, Western Australia**
Client: **Woodside Energy Ltd**
Description: Jacket installation, laid 14" Ø CRA x 14.33 mm w.t. x 2.18 km lg pipeline to AP2 flow line, x 2.86 km lg to AP4 flow line, and x 1.55 km lg to AP3 flow line, lay 30" Ø x 19.1 mm w.t. and 23.1 mm w.t. x 49.1 km lg pipeline, SSRA installation, SSIV and skid installation, tie-in spool installation, pipeline flooding.
Responsibilities: Coordination for preparation in Batam marine base including pre-fabrication of spools, PLEM fabrication, and installation aid fabrication. Preparing Pipelay and Crossing Procedure, PLEM and Tie-In Spool Procedure.

Project: **PM3- Camau Gas Pipeline, Vietnam**
Client: **Vietsovpetro – PM3 Camau**
Description: Scope of work: nearshore preparation work, trench dredging, beachpull, fill in the trench, lay 18" Ø x 17.5 mm w.t. and 12.7 mm w.t. x 298 km lg pipeline, jetting, wye and crossing installation, pigging and hydrotest, and dewatering.
Responsibilities: Refurbishment installation aids such as stinger, rig up marine spread, on board vessel for dredging, jetting, shorepull and pipeline installation.

July 2005 – November 2005

Design Engineer • **PT SAPTA ADHI PRATAMA**

Project: **Detail Design of Sindang Pano Dam, Majalengka, West Java Indonesia**

Client: **PPSA Jawa Barat**
Responsibilities: - Collecting data for dam design, site visit, review survey data and review feasibility study of Sindang Pano Dam.
- Analysis data and perform initial design of dam.
- Produce preliminary, pre-final, and final report.
- Assist team leader for project presentation.

April 2004 – April 2005

Site Engineer • **PT JAYA KONSTRUKSI MANGGALA PRATAMA**

Project: **Busway Project in Jakarta Indonesia**
Client: **DKI Jakarta Transportation Department**
Responsibilities: Join in survey team and generate data for busway corridor between Kampung Melayu – Kampung Rambutan and Grogol – Semanggi

Project: **Road Building Between Kerang – Segendang – Tanjung Aru, Paser Area, Kalimantan Indonesia**
Client: **East Kalimantan Government Public Department**
Responsibilities: Join in survey team for as built survey of road Monitor and doing coordination activities and progress to meet with quality plan, produce internal monthly report and progress report to client

October 2003 – March 2003

Construction Supervisor • **PT CELIO MITRA GRAHA**

Project: **Various building (residential, office) construction**
Client: **Private**
Responsibilities: Supervise project activities, material procurement and sub-contractor coordination.

Training and Course

- Full Stack Developer Programming (2019), Hacktiv8 Indonesia
- BOSIET OPITO (April 2018), Samson Tiara, Indonesia
- Tecnico di CAD (October 2017- February 2018), ENAIP Piemonte, Italy
- Italaian Language Course (2017), ENAIP 2 Torino, Italy
- French Language Cource (2013), IFI Bandung, Indonesia
- Construction of Subsea Pipeline (2010), Jee
- Quality Awareness (2006), PT McDermott Indonesia, Batam, Indonesia
- Confined Space Training (2007), JRay Mcdermott Training and Assurance Department, Batam, Indonesia
- Field Engineer Training (2007), JRay McDermott Asia Pacific, Singapore
- Basic Wire Rope Training (2007, valid until 2010), Carl Stahl Evita, Ltd., Batam, Indonesia
- Permit To Work Training (2008), JRay McDermott Training and Assurance Department, Batam, Indonesia
- Pigging and Hydrotest Training (2008), JRay McDermott Marine Operation Asia Pacific, Batam, Indonesia