

ARDIANSYAH

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PROFESSIONAL SUMMARY

Structural & Civil Designer with over 13 years of experience in Oil & Gas EPC projects, covering offshore platforms, onshore facilities, and subsea systems from concept design to As-Built documentation. Experienced in brownfield modifications, greenfield developments, and subsea structures including PLET/PLEM systems. Proficient in AutoCAD for structural and civil drafting, with working experience in AVEVA E3D and Tekla Structures for 3D model review and multidisciplinary coordination. Focused on delivering accurate and buildable engineering drawings while ensuring constructability and minimizing site issues within EPC environments.

TECHNICAL SKILLS

- **Design & Drafting:** Structural steel detailing, concrete foundations, General Arrangement (GA), connection details, and subsea structural drafting (PLET/PLEM).
- **Software Proficiency:** AutoCAD, Tekla Structures, AVEVA E3D, Autodesk Advance Steel, and Navisworks.
- **Engineering Knowledge:** Offshore topsides & jackets, onshore facilities, subsea structures, Material Take-Off (MTO), lifting arrangements, and decommissioning works.
- **Coordination & Workflow:** Multidisciplinary coordination (Piping, E&I, Process), drawing checking/review, and as-built documentation.

WORK EXPERIENCE

Senior Structural & Civil Designer

PT Bina Recepta Utama (BIRU) | Jan 2013 - Present

- Issued IFC drawing packages with minimal rework for offshore and onshore projects, helping fabrication teams start work on schedule.
- Delivered clash-free fabrication drawings for topside and subsea systems ahead of schedule using AutoCAD as primary drafting tool, supported by Tekla Structures and AVEVA E3D for 3D model verification and material take-off accuracy.
- Produced subsea structural drawings for PLET, PLEM, and tie-in protection systems in accordance with project and offshore installation requirements.
- Resolved site clashes quickly by preparing revised civil foundation layouts and structural details for flare systems, pipe racks, and equipment supports based on field feedback.
- Supported brownfield modification and decommissioning projects through the preparation of structural modification drawings, lifting arrangements, and temporary support details.
- Maintained MTO accuracy through detailed drawing reviews, reducing material queries from procurement/fabrication teams during construction phase.
- Coordinated with Piping, Mechanical, Process, and E&I disciplines to reduce design conflicts and maintain consistency across engineering deliverables.
- Supported fabrication and construction teams by providing drawing revisions and accurate as-built documentation based on field updates and engineering changes.

Structural & Civil Drafter

PT Jaya Teknik Indonesia | *May 2012 – Dec 2012*

- Prepared detailed structural steel drawings and fabrication documents for industrial projects.
- Managed drawing revisions and ensured project documentation met quality control (QC) standards.

Structural & Civil Drafter

PT Alma Gala Pratama | *Oct 2011 – Apr 2012*

- Supported drafting and design development for civil and building projects.
- Prepared detailed drawings and other project-related documentation.

KEY PROJECT HIGHLIGHTS

- **Paus Biru Field Development – Medco Energy:** Handled subsea structural drawings for PLET/PLEM and supported topside facilities with MTO preparation and fabrication drawings
- **Platform Decommissioning – Mubadala Sebuksu:** Developed lifting arrangements and structural removal sequences to ensure safe offshore decommissioning activities.
- **Madura BD Field Development – HCML:** Produced detailed fabrication drawings for jackets and topsides, including support for heavy-lift installation.
- **WTIP SPU Bentayan – Pertamina EP:** Managed civil and foundation drawing packages for plant facilities and infrastructure works.
- **Suban–Mangsang Assessment – ConocoPhillips:** Updated as-built documentation and developed structural modification drawings for bridge and facility structures.
- **Bukit Tua Development – PC Ketapang II Ltd:** Prepared structural drawings and lifting arrangement details to support topside and jacket installation.

EDUCATION

Vocational High School (SMK) Graduate | 2011

SMK Karya Guna - Jakarta

Major: Automotive Engineering

PROJECT SPECIALIZATION

- Offshore Platforms (Topsides & Jackets)
- Onshore Facilities & Infrastructure
- Subsea Structures & Tie-ins
- Brownfield Modifications & Decommissioning