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INUSA
Construction | Engineering Training

CERTIFICATE OF PARTICIPANT

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For participating and completing the Final Test of our Training

EPC CONSTRUCTION MANAGEMENT TRAINING FOR OIL & GAS PROJECTS

organized by **INUSA Construction|Engineering Training** covering the subjects as listed on the back page

TRAINER :
I PUTU SUKMAYASA, S.KOM, M.T
SENIOR CONSTRUCTION / COMMISSIONING MANAGER

Henny Puspitasari
Director

WWW.INUSAGLOBAL.COM

EPC Construction Management Training for Oil & Gas Projects

- ✓ **INTRODUCTION TO EPC PROJECT & OIL & GAS INDUSTRY**
  Understanding Oil & Gas industry fundamentals, EPC project workflow, project lifecycle, engineering disciplines, and project case study overview.
- ✓ **ENGINEERING DRAWING & DOCUMENT REVIEW**
  Reviewing engineering documents including PFD, P&ID, plot plan, equipment drawings, isometric drawings, line lists, datasheets, and document control systems.
- ✓ **CIVIL & STRUCTURAL CONSTRUCTION**
  Fundamentals of civil and structural construction including foundations, concrete works, structural steel installation, grouting, pipe rack construction, and quality inspection.
- ✓ **PIPING CONSTRUCTION & INSTALLATION**
  Understanding piping materials, fabrication, welding processes, fit-up activities, installation workflow, hydrotesting, and piping inspection requirements.
- ✓ **MECHANICAL EQUIPMENT INSTALLATION**
  Installation practices for static and rotating equipment including separators, scrubbers, vessels, pumps, compressors, alignment, preservation, and mechanical completion.
- ✓ **ELECTRICAL & INSTRUMENT CONSTRUCTION**
  Electrical and instrumentation installation activities including cable installation, termination, junction boxes, panels, instrument hook-up, loop checking, and testing.
- ✓ **QA/QC WORKFLOW & INSPECTION**
  Quality assurance and quality control processes including inspection planning, material inspection, welding inspection, punch list management, reporting, and document control.
- ✓ **PRE-COMMISSIONING, COMMISSIONING & PROJECT HANDOVER**
  Systemization, mechanical completion, flushing, testing, loop checks, energization, start-up preparation, turnover package development, and project handover activities.
- ✓ **PROJECT PLANNING & REPORTING**
  Project planning fundamentals, WBS development, scheduling, progress measurement, S-curve analysis, EPC progress monitoring, reporting systems, and recovery planning.
- ✓ **REAL PROJECT CASE STUDY & FINAL PROJECT ASSIGNMENT**
  Comprehensive EPC project review through real project case studies, field problem-solving, communication practices, career development, and industry readiness.