

Rahmat Ilham Zazzali **ST, PMP®, CCP®**

QS – Cost Estimator | Quantity Surveyor | Senior Cost Engineer

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PROFESSIONAL SUMMARY

Quantity Surveyor and Cost Estimator, PMP® and AACE CCP® certified, with 14 years of experience in Oil & Gas, EPC, refinery, fabrication and marine projects across Indonesia, Singapore and Libya. Prepares cost estimates from Class 5 to Class 1, quantity take-offs, BOQs, cost breakdowns and bid tabulations, and reviews drawings, specifications and quotations for accuracy. Analyzes material, labour, equipment and subcontract costs; evaluates variations and change proposals; and supports budgeting, cost monitoring and reporting across the project lifecycle. Has supported large-scale industrial projects up to USD 1.49 billion, working closely with Engineering, Procurement, Construction, Planning and Finance. Advanced Excel user with hands-on SAP, Oracle ERP, Primavera P6, CostOS and @Risk experience.

CORE COMPETENCIES

- Cost Estimating (Class 5 to Class 1, AACE)
- Quantity Take-Off (QTO) & Remeasurement
- Bill of Quantities (BOQ) Preparation & Review
- Cost Breakdown Structure (CBS) & WBS Coding
- Drawing & Technical Specification Review
- Material, Labour & Equipment Cost Analysis
- Quotation & Bid Evaluation, Bid Tabulation
- Variation, Change Order & Claims Assessment
- Budgeting, Cost Planning & Forecasting (EAC)
- Cost Monitoring, Reporting & EVM
- Stakeholder Coordination (Engineering, Procurement, Construction)
- Advanced Excel & Cost Modelling

PROFESSIONAL EXPERIENCE

Senior Quantity Surveyor / Cost Control

Aug 2026 – Present

PT Wasco Engineering | Indonesia

- Perform quantity surveying and cost control for module fabrication packages of a major Ammonia Plant project, covering budget, commitments, actuals, accruals and cost-to-complete.
- Prepare remeasurement by reconciling structural weights (MT) and unit rates across the price list, budget and SAP commitment/actual reports.
- Review variations and change proposals, checking quantities, unit rates, labour hours, material and subcontract costs and mark-ups.
- Prepare cost breakdowns, budget-versus-actual analysis and forecast updates, flagging emerging cost trends and potential overruns.
- Track physical and financial progress with Planning and Construction and maintain WBS/CBS coding, baselines and auditable cost records.
- Coordinate with Engineering, Procurement/SCM, Construction, Finance and Project Management on quantities, commitments and cost impacts.

Senior Cost Engineer

Jun 2022 – Apr 2026

Waha Oil Company | Libya

- Prepared Class 5 to Class 1 cost estimates, cost breakdowns, bid tabulations and AFEs for upstream rehabilitation and redevelopment projects, including a USD 1.49 billion crude oil evacuation project.
- Evaluated contractor quotations and supported technical and commercial bid evaluations.
- Developed project CBS structures and linked estimates to the ERP system for consistent cost tracking.
- Reviewed contractor claims, technical deviations and change requests and assessed their cost impact.
- Performed budget, commitment, VOWD, forecast and variance reviews for management decisions, and prepared ERP-based PR/SES documentation.

Senior Cost Engineer / Cost Control Lead

Jul 2016 – May 2022

PT Patra Badak Arun Solusi (Pertamina Group) | Indonesia

- Controlled costs for refinery revamp, upgrade and turnaround projects totalling more than USD 770 million.
- Analyzed scope, quantity and cost variances and advised management on potential overruns and corrective actions.
- Reviewed claims and Change Orders, challenged contractor cost information and participated in negotiations.
- Verified invoices, progress payments, timesheets and plant/equipment usage reports, and led commercial closeout.
- Maintained WBS, CBS, CTR, AFE and cost-centre structures and supported reforecasting and EAC updates.
- Standardized estimating procedures and historical cost databases for benchmarking.

Senior Cost Engineer

May 2014 – Jun 2016

OTTO Marine Pte Ltd | Singapore

- Performed cost analysis, commitment reporting and forecasting for marine and fabrication projects, including AHTS vessels and FPSO fabrication.
- Analyzed contractor cost reports covering expenditures, scope and quantities for management reporting.
- Supported cost activities for engineering, procurement and construction contracts.

Junior Cost Engineer

Oct 2012 – Mar 2014

PT Batamec Shipyard | Indonesia

- Prepared cost and quantity comparisons, commitment reports and expenditure forecasts.
- Provided early warning to management when forecasts indicated potential budget exceedance.

SELECTED ACHIEVEMENTS

- Completed 120 project proposals and estimates in 2022 against a target of 80.
- Delivered consistent net margins of 8%–15% during 2016–2022.
- Supervised and mentored a team of five cost-control staff on estimating, forecasting, reporting and project governance.
- Trained Project Managers and Junior Engineers on PMI and AACE practices and supported standardization of estimating procedures.

EDUCATION & CERTIFICATIONS

- B.Sc. Mechanical Engineering (ST), Institut Teknologi Nasional Malang (ITN), 2012 | GPA 3.38/4.00
- Certified Cost Professional (CCP®), AACE International, 2023 | Credential No. 05313
- Project Management Professional (PMP®), PMI, 2022 | Credential No. 3256455
- Welding Inspector, 2014
- Member, PMI and AACE International

TECHNICAL TOOLS

Microsoft Excel (advanced: cost modelling, PivotTables, cost reporting) | SAP | Oracle ERP | Primavera P6 | CostOS | ACCE | RSMeans | @Risk