

Sina Atabak CEng FIMechE

Director of Engineering | Engineering Manager

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Profile

Visionary engineering leader with 18+ years of strategic and technical experience across power generation, oil & gas, renewables, and energy storage. Proven track record of managing multi-disciplinary teams and large-scale engineering projects from concept to commissioning. Expert in developing and leading high-performing engineering functions, driving process and product innovation, and delivering on-time, on-budget complex infrastructure programs. Committed to operational excellence, safety, and continuous improvement. Adept at stakeholder engagement and aligning engineering with commercial objectives.

Core Competencies

****Strategic Leadership & Governance**** – Engineering Vision | Organisational Development | Risk Management | CDM Principal Designer

****Project & Product Engineering**** – Lifecycle Delivery | Systems Integration | RCA | OTD Excellence | Quality Control

****Innovation & Technical Expertise**** – Fluid Dynamics | Thermodynamics | FEA | Energy Storage Design | Nuclear & Renewables

****Process Safety & Compliance**** – HAZID/HAZOP/LOPA | DSEAR | Fire Risk | Regulatory Navigation

****People & Performance**** – Matrix Management | Talent Development | Mentoring | Change Leadership

****Commercial Acumen**** – Cost Optimization | Product Strategy | Stakeholder Engagement | Vendor Oversight

Professional Experience

Statera Energy Ltd. – Project Engineering Manager | Oct 2021 – Present

- Lead engineering delivery for >£200M energy infrastructure portfolio including 100MW+ gas peaking plants and BESS systems.

- Spearhead multi-disciplinary teams and subcontractors across design, FEED, FID, and commissioning phases.
- Developed integrated solutions combining battery storage, electrolysis, hydrogen storage, and thermal generation.
- Pioneered CDM-aligned risk management strategy adopted across project lifecycle.

GE Power – Project Engineering Manager (Senior Engineer) | May 2019 – Sep 2021

- Managed global teams (10–15 engineers) in delivering FOAK nuclear and large utility projects.
- Directed engineering resolution for fleet issues, root cause analyses, and non-conformity management.
- Developed OTD dashboard, enabling strategic headcount/resource planning and improved project outcomes.
- Key Projects: Lead: LP module for 700MW Indian nuclear fleet | NuScale SMR (6 x ST module)
- Project Budgets: \$10M–\$15M/unit

GE Oil & Gas (Alstom) – Product Design Manager | Senior Engineer | Nov 2015 – May 2019

- Drove end-to-end development of new geothermal and steam turbine product lines.
- Acted as primary OEM interface for major international customers.
- Delivered successful installations in Indonesia, China, Argentina, Georgia.
- Achieved 28% product cost reduction with maintained efficiency targets.

Alstom Power – Project Lead Engineer | May 2012 – Nov 2015

- Led cross-functional engineering of turbosets, auxiliaries, and BOP across thermal, solar, geothermal, and coal-fired projects.
- Partnered with subcontractors and global engineering offices; mentored graduate engineers.
- Key Projects: CSP Plant for Cobra Thermosolar, Spain | 5x142MWe Coal Plant for NEPC, Philippines | Karaha Geothermal Plant, Indonesia (\$40M+ delivery)

Dresser-Rand UK (Peter Brotherhood) – Design Lead Engineer | Dec 2007 – May 2012

- Full-cycle design of rotating equipment and auxiliaries for FPSOs, biomass, and WHR power plants.
- Key Projects: 14MWe FPSO Power Sets (Africa) | 18MW Floating Power Station (DR) | 7.1MWe Biomass Plant (UK)

Education & Credentials

- CEng – Chartered Engineer, Fellow of IMechE

- MSc in Thermal Power, Cranfield University

Technical Tools & Software

AutoCAD | CATIA V5 | Ansys Workbench | PLM | MS Office | OpenFOAM | Thermodynamic Modelling Tools | Functional Safety Systems | P&IDs

Publications & Presentations

- Steam Turbine Designs and Applications, IMechE, Warwick (2011)
- Advanced Modelling of Fluid Thermodynamic Properties, ASME Turbo Expo, Berlin (2008)