



**SIECAP ENERGY
TECHNICAL &
ADVISORY
SERVICES**

Capability Statement

Oil & Gas | Energy | Resource Development | Studies |
Due Diligence | Compliance | Business Improvement

OUR SERVICES

Formed in 2007, Siecap is a specialist project management and advisory firm providing corporate, capital project and operational services. We help clients to optimise cost, make robust decisions on investment, acquisition and divestment, increase performance and manage risk.

We are a team of experienced energy industry professionals with knowledge and operational capabilities across the full range of energy resource and infrastructure types. We work closely with our clients to develop energy resources and the infrastructure required to access local and global markets. From resource appraisal through to feasibility studies, project delivery and operational support, at Siecap we tailor our services to the size, nature and culture of our clients.

FOCUSED ENERGY SERVICE OFFERING

1. Resource Development

We have a team of experienced geologists and sub-surface engineers with an excellent track record in both conventional and unconventional hydrocarbon resource appraisal and reserve certification for deposits located in areas as diverse as Australia, Africa, Indonesia, Malaysia, New Zealand, North America and Papua New Guinea. Our services are tailored to the needs of our clients, and typically include resource exploration and appraisal, development planning, investment evaluation, production modelling, geological database management and technical reporting in accordance with internationally accepted reporting codes such as the Society of Petroleum Engineers (SPE) Petroleum Reserves Management System (PRMS).

2. Feasibility Studies

We design, manage and coordinate a wide variety of energy and resource studies, from opportunity identification through to concept development and selection, Front End Engineering Design (FEED) and bankable feasibility studies. Our success in this space has been realised through our strong relationships, built upon delivering key technical studies on budget and on time.

3. Due Diligence and Valuation

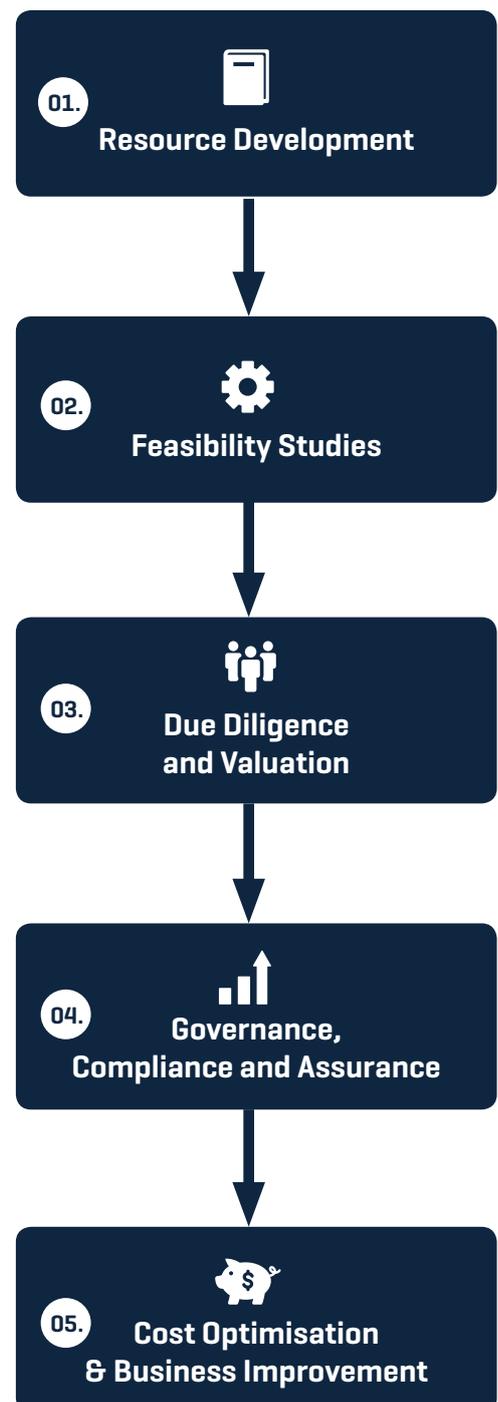
We provide advisory services on independent technical and commercial assessment of energy assets to exploration, resource, infrastructure and investment groups. Our due diligence and valuation group is a multi-disciplinary team consisting of geologists, sub-surface engineers, facilities engineers and valuations experts, and provides complete valuation services in accordance with the VALMIN Code.

4. Governance, Compliance and Assurance

We have extensive experience in the establishment, review and improvement of governance models for energy and resource operations. Our team is intimately familiar with statutory requirements and adept at navigating the complex and often conflicting array of legislation, standards, codes and stakeholder requirements to provide robust advice on how to establish and maintain compliance.

5. Cost Optimisation and Business Improvement

Identification, development and integration of process, cost and performance improvement initiatives that are endorsed and embedded within the client's organisation to drive down unit operating costs and infrastructure integrity risk.



Our team has worked for a number of prominent energy and resource projects and organisations across Australia and internationally. This experience is leveraged in partnering closely with our clients to produce realistic and sustainable solutions that improve bottom-line results through rapid implementation.

CASE STUDIES

01. Resource Development **BHP**

Siecap Advisors assisted BHP in completing an opportunity assessment of the gas resources on one of its Queensland tenements. Our advisors provided a detailed opportunity assessment which included, resource assessment and production forecasting, preliminary field infrastructure design, market research, gas processing, market options, capital and operating cost estimating, risk analysis and ranging, commercial analysis and financial modelling.

02. Feasibility Studies

Siecap Advisors were engaged by Energy Developments as its owner's representative for an appraisal study to maintain gas throughput to one of its power generation facilities. The scope of the study included professional advice on operating strategies together with a comprehensive capital cost estimate, schedule, financial model, commercial model, technical review and a suite of project execution and operational transition options.

03. Due Diligence & Valuation

Siecap team members conducted due diligence on numerous coal assets in Queensland, and based on the work done managed to secure the relinquished New Saraji coking coal license from the QLD Government. The coal seam gas resource was incorporated into the evaluation and the greenfield asset was optimised with an 'out of the box' mining methodology that the previous exploration license holder did not contemplate. After initial scoping and project development the asset was sold to BHP Billiton Alliance for \$2.45 billion.

04. Governance, Compliance and Assurance

Siecap was engaged by South32 to review its gas drainage and commercialisation operating model. The scope of this review included, recommendations to maintain compliance with mining and energy legislation and directives from the regulator and adopted technical risk management and operating practices consistent with relevant infrastructure codes and standards.

05. Cost Optimisation & Business Improvement

As part of Energen's emphasis on driving down electricity costs to customers, Siecap developed an optimal distribution strategy for the business. This included a review of all current outbound activities and processes to identify areas of improvement.

CLIENTS






























SENIOR TEAM

**David Irvine****Chief Executive Officer****d.irvine@siecap.com.au | +61 413 544 456**

David has nearly 20 years' technical experience as a business improvement and supply chain expert, providing innovative solutions to help minimise costs and increase project efficiencies. His technical qualifications include engineering and design solutions for large, complex projects from detailed design, board level approval and full implementation. Clients David has worked with include Energex, Origin Energy, AGL, Caltex, Qantas, Super Retail Group, Downer, BHP, Rio Tinto, Thiess and Wesfarmers.

**Tim Crossley****Advisory Board Member****t.crossley@siecap.com.au | +61 448 848 680**

Tim is the former President and Chief Operating Officer with BHP Billiton's West Australian Iron Ore business. He was COO of ASX-listed Gloucester Coal and most recently Executive Chairman of Trans Tasman Resources in New Zealand. Tim has extensive experience in managing large complex operations with a focus on identifying innovation and improvement opportunities.

**John Henderson****Advisory Board Member****j.henderson@siecap.com.au | +61 417 893 783**

John has over thirty-five years' experience in major and mega project development that includes executive roles with oil and mining multi-nationals, to mid-tier and start-up energy companies. John has been certified as a Practicing Project Manager (CPPM) and has a thorough understanding of the theory and application of the entire project management life cycle. John has spent many years in energy and mining developments across Africa, South East Asia and Australasia, holding a range of director, project manager and general manager positions.

**Matt Cooper****Executive Director - Energy****m.cooper@siecap.com.au | +61 449 955 815**

With nearly 20 years experience in the energy space, Matt has an impressive track record of successfully developing and operating large multidisciplinary energy infrastructure assets and resource tenements ranging from offshore wet hydrocarbons to coal seam gas. A certified practicing project director (CPPD), Matt has held project and operations management, general management and project director's roles for clients and contractors alike. His point of specialization is that he spans both the full lifecycle of sub-surface and surface aspects of resource and associated infrastructure development and operation.

**Richard Mulder****Executive General Manager - Projects****r.mulder@siecap.com.au | +61 417 136 363**

Richard has over 15 years professional experience in the energy and resources sector specialising in capital procurement processes, feasibility studies, legislative compliance policy & procedures and supply strategy & implementation. He has successfully led and delivered projects in Australia & North Africa for Caltex, BHP Singtel Optus, Crosslands Resources (a Mitsubishi Corporation Company), Lion Ore, Barrick Gold and Celamin Ltd.

OUR CULTURE

Our culture is built on respecting the relationships with our people, clients and partners, innovating, improving and adding value wherever possible, leading ourselves and operating with integrity in everything we do.

OUR VALUES

**Respect:**

We will respect and value all relationships, we work together, we remain flexible, we listen and strive to understand and serve our clients.

**Innovation:**

We are resourceful. We solve problems, adapt, develop and continually improve.

**Leadership:**

We initiate. We constantly look to add value, take responsibility and are open and accountable.

**Integrity:**

We commit. We keep our word, deliver results, and are professional and ethical.

CONTACT

Brisbane Head Office

Level 7, 300 Adelaide Street
Brisbane QLD 4000

Email

brisbane@siecap.com.au

Phone

+61 7 3157 4400

Resource
Development

Feasibility
Studies

Due Diligence
and Valuation

Governance,
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and Assurance

Cost Optimisation
and Business
Improvement