Oil, Gas, and Petroleum Experience

Statement of Qualifications
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Statement of Qualifications

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Profile

Hill International, Inc. (Hill) is a leading international construction consulting firm that provides program and project management, construction management, cost engineering and estimating, quality assurance, inspection, scheduling, claims analysis, innovative dispute resolution, and staff augmentation services to clients involved in major construction projects worldwide. Hill has the expertise and experience to manage major projects from concept to successful completion. We have successfully managed more than 5,000 projects with a total construction value over $250 billion, and we are the largest pure construction management firm in the country. Hill is a publicly-traded company listed on the New York Stock Exchange.

Hill is also an international leader in construction claims management, considered to be the largest construction claims firm in the world. Founded in 1976 as a multi-disciplined management consulting firm that helps construction participants minimize risks, Hill has developed a reputation for our innovative approaches to preventing and resolving construction schedule and cost overruns. We offer public and private clients a full spectrum of construction-related services that enable them to complete construction on time and within budget while minimizing claims and other problems. Hill has helped our clients resolve more than 25,000 claims and disputes valued at more than $100 billion.

Organizational Structure

Hill is structured along two primary business lines: Project Management and Claims Management. The two business lines are further organized geographically, with worldwide headquarters in Marlton, NJ.
U.S. and Canada
Atlanta, GA
Baltimore, MD
Bellevue, WA
Bensalem, PA
Boston, MA
Columbus, OH
Dallas, TX
Danbury, CT
Granite Bay, CA
Houston, TX
Irvine, CA
Jacksonville, FL
Las Vegas, NV
Lemont Furnace, PA
Los Angeles, CA
Marlton, NJ (Headquarters)
Miami, FL
Montgomeryville, PA
New Orleans, LA
New York, NY
North Canton, OH
Ontario, CA
Orlando, FL
Palm Beach Gardens, FL
Palm Coast, FL
Perrysburg, OH
Philadelphia, PA
Phoenix, AZ
Pittsburgh, PA
Portland, OR
Portsmouth, OH
San Diego, CA
San Ramon, CA
Spokane, WA
State College, PA
Tampa, FL
Toronto, Ontario (Canada)
Vancouver, BC (Canada)
Washington, DC

Latin America
Mexico City, Mexico
Parauapebas, Brazil
Rio de Janeiro, Brazil
Santiago, Chile
Sao Paulo, Brazil
Trinidad and Tobago

Europe
Athens, Greece
Baku, Azerbaijan
Barcelona, Spain
Belgrade, Serbia
Birmingham, UK
Bristol, UK
Bucharest, Romania
Daresbury, England
Dusseldorf, Germany
Edinburgh, Scotland
Exeter, UK
Glasgow, Scotland
Istanbul, Turkey
Leeds, UK
London, UK*
Madrid, Spain
Munich, Germany
Teesside, UK
Warsaw, Poland
Winchester, UK

Middle East
Abu Dhabi, UAE*
Aqaba, Jordan
Damascus, Syria
Doha, Qatar
Dubai, UAE*
Jeddah, Saudi Arabia
Manama, Bahrain

* Multiple Office Locations
Personnel

Hill employs more than 3,000 professionals and support personnel in 100 offices in 35 countries worldwide. Our staff includes architects, engineers in all construction and building-related disciplines, planners, schedulers, estimators, value engineering specialists, construction managers worldwide, resident engineers, construction inspectors and a full range of technical and support staff to represent owners. The table on the right provides a breakdown of our professional staff by discipline.

Sustainability

Hill views sustainability as an inherent and pervasive component of the building process. We have successfully managed an extensive list of LEED projects certified by the U.S. Green Building Council, ranging from Silver to Platinum. Our expertise provides us the ability to quickly surmise a project’s potential, as well as navigate and assist less experienced design and construction teams through the process, eliminating the learning curve and reducing incremental costs. Our initial cost estimating removes the guess work, providing you with a solid foundation for decision making on whether or not you choose to pursue certification.

Services

Construction Management

Successful construction management (CM) demands a detail-diligent approach, proactively managed by professionals who have the experience, skills, and technical support each project demands. Hill’s professionals are not only credentialed; they have seasoned, hands-on experience in the construction industry. This experience, gained in the trenches of construction projects across the globe, gives our project teams the practical knowledge they need to effectively manage virtually any type of capital project. Hill’s CM teams include construction managers, resident engineers, construction superintendents, estimators, schedulers, inspectors, contract administrators and construction claims avoidance experts.
Program Management

Hill’s comprehensive program management services help clients keep multiple, interrelated projects in-sync, on-time and within budget. We help owners, financial institutions, sureties and others reduce the uncertainty and risk in their capital programs. Hill’s managers review every detail of all projects; set up objectives, plans, and priorities, manage and control the process; and identify and resolve problems. Our experienced professionals and technical resources work with the client to define, plan, implement and integrate every aspect of each project. When managing an entire multi-disciplinary program, our service improves timing, cost and quality. Our client benefits from a single point of management responsibility for planning, design management, permitting compliance, construction management and ongoing operations services.

Project Management

Hill has developed its project management approach based on extensive Project Management assignments and claims experience, which gives us a unique and in-depth understanding of what can go wrong on a project. We use this knowledge to identify potential trouble spots on a project before they develop into problems and to recommend or initiate preventive action through strategic planning and controls. We vigilantly watch over all aspects of a project, from design review and long-lead items through schedule and budget updates and inspection during construction. As Project/Construction Manager or Owner’s Representatives, Hill has managed all phases of the construction process from pre-design through completion, including cost/budget controls, scheduling, estimating, expediting, contract administration, inspections, and control of contractors and suppliers.

Project Management Oversight

Our project management oversight (PMO) services support project success by independently anticipating problems, identifying setbacks and recommending solutions in every project phase. This is the essence of PMO: to give clients objective information, allowing them to make prudent decisions about key issues before major problems occur.

Hill’s PMO teams provide timely and objective reporting, from evaluating the performance of the construction manager, designer and contractors, to monitoring schedules, analyzing costs, and identifying and managing project risks. Teams include specialists in all phases of construction, so that the myriad events that occur on a project can be assessed and evaluated in a timely way by the right expert. Because Hill’s staff includes experts who are leaders in their disciplines, our clients benefit from strong recommendations that are both technically and financially sound.

Claims Consulting

Even the most carefully planned construction project can encounter claims. How those claims are handled, however, can make a difference in the success of the project. Hill’s approach to claims resolution is broad-based and relies on the participation of Hill’s multi-disciplined staff of engineers, architects, attorneys,
contract administrators, construction managers, accountants and scheduling specialists. Such a range of expertise is essential in analyzing the often complex liability, causation, and damage components of a claim. Hill’s technical and contract experts conduct a detailed analysis of the claims, break them down event-by-event and issue-by-issue, to help facilitate resolution. By reviewing and analyzing all relevant project documents and performance data, our team can help get to the root of any dispute.

**Staff Augmentation**

Not all of today’s organizations have the internal resources to handle every type of assignment. Hill’s experienced project managers, construction managers, engineers, architects, designers, schedulers, financial analysts, contract administrators and other professionals are available at a moments notice to staff virtually any type of project at any phase. Hill’s staff augmentation teams are developed based upon the unique needs of each individual assignment and are available for durations that range from days to years. Our professionals take a results-driven yet cooperative approach to meeting our clients’ goals; this two-pronged methodology effectively complements existing permanent staff throughout the globe.

**Project Controls**

Hill provides state of the art project controls systems and as part of our project management services. Our systems incorporate schedules, budgets, and contract administration meeting the needs of today’s clients for successful control of and timely, accurate information on cash flow needs, costs, schedules, changes, progress (status), claims, material, equipment, and labor. Hill provides state-of-the-art project controls using software customized to meet client needs.

We have worked extensively with performance measurement techniques to manage project schedules. Our computerized system helps monitor schedule and cost information by keeping track of thousands of activities and flagging those requiring management attention. Hill’s nationally known experts in CPM scheduling can analyze contractors’ project schedules, advise management of the accuracy of these schedules, and present effective assessments and recommendations, thereby minimizing potential problems.

Hill provides estimating services in order to provide a basis from which to award bids and to forecast and manage total capital cost. Contract administration is an important function that supports the project through change order management control resulting in minimal claims costs for the project.

**Cost Estimating**

Hill has successfully prepared cost estimates on projects ranging from thousands to billions of dollars. Our estimates support planning, design, construction, renovation, operations and maintenance, change order negotiations, and claims support. We assure accurate estimates of construction costs through the involvement of the client and the architectural and engineering staff.

We develop budgetary and detailed cost estimates in accordance with our client’s standards. We solicit vendor quotes, where appropriate, and obtain local material costs from suppliers in the vicinity of the

Hill’s Estimating and Cost Management Services include:

- Master Budget Planning,
- Conceptual Budget Estimates,
- Estimates at 60%, 95% & 100% CDs,
- Project Work Schedules,
- Constructability Reviews,
- Value Engineering,
- Change Orders Administration,
- Long Lead Items Identification and Document and
- Information Control Systems.

Scheduling

Hill’s nationally known experts in CPM scheduling can analyze contractors’ project schedules, advise management of the accuracy of these schedules, and present effective assessments and recommendations, thereby minimizing potential problems. A team of Hill professionals with in-depth industry experience shall evaluate your project’s schedule and identify all possible pitfalls in scope, logic, sequence and duration. They shall help sort out critical vs. non-critical activities, evaluate resource loading and perform “What If” and “Time-Window Based” analysis. Hill’s experts utilize the most sophisticated methods for establishing and evaluating schedule conflicts, analyzing delays/acceleration, conducting productivity analysis, auditing costs, and determining damages.

Commissioning

Hill has in-house capabilities to provide commissioning services and recognizes that each building has a unique set of requirements that need to be met for a successful project to be realized. Our approach is one that is not only tailored to each project but also follows well-established guidelines.

While following guidelines as established by the Building Commissioning Association (BCA) and as provided in Guideline 0-2005, The Commissioning Process, from the American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Hill develops commissioning plans and documentation customized to meet our clients’ needs while maintaining the flexibility necessary to achieve the project’s goals.

Project Labor Agreements

Hill helps both public and private organizations who have large, complex construction projects save time and money through a type of collective bargaining agreement called a Project Labor Agreement (PLA). PLAs create efficiencies through standardization of project participant contracts. They help avoid conflict issues between contractors who are working a large project and help protect against strike conditions. Hill shall work with all parties involved with the project: owners, contractors, and unions to unify their contractual relationship. The end result is a tremendous savings in both time and money through standardization efficiency.
Labor Compliance Management

Our leading state-of-the-art web-based software — MyLCM® — is a service application used to collect, monitor, and manage certified payrolls. This service can replace labor- and paper-intensive manual processes of complying with local, state, and federal Davis Bacon prevailing wage laws or Project Labor Agreements. Reporting processes that traditionally entailed hours, weeks, or months to gather, analyze, and format data for submittal can now be accomplished in a matter of minutes. Within secure and encrypted databases and architecture, Hill maintains prevailing wage rates that are applicable to our clients. The system uses this data to validate wage requirements by comparing contractors’ certified payrolls against applicable prevailing wage rates, and quickly alerts the client to possible errors or omissions by a contractor. This process is cost-effective and assures verification on every submitted certified payroll while allowing clients to focus attention on enforcement.

Troubled Project Turnaround

Hill offers remedial services to turn troubled projects into productive investments. Hill has successfully rescued projects from poor management and planning, work stoppages, regulatory intervention, labor issues, and countless other factors which resulted in extensive delays, cost overruns and expensive construction claims exposure. Our clients for these projects have included private corporations, lending institutions, and public agencies.

Construction Dispute Resolution Services

As a world leader and innovator in the field of construction claims management, Hill has participated in the resolution of thousands of construction claims. We have developed a staff of professionals who are expert at examining construction documents, schedules, and inspecting work to identify relevant issues and solutions. Our claims services include claims resolution, case strategy, issue analysis, establishing causation, cost recovery, damage analysis, delay analysis, litigation support, expert witness testimony and support, mitigation, prevention programs, training programs, and other management support.

Summary

The combined resources of the Hill staff allows us to provide such services as project management, project controls, engineering, design, construction management, and claims management to major commercial and industrial, federal, state, and local government clients. Hill provides a level of expertise not available elsewhere, and can offer clients the professional consulting services necessary to successfully manage all aspects of capital projects, from inception through close-out and occupancy.
Industry Sectors Served
For over a quarter century, clients worldwide have selected Hill as consultants on their most complex projects. Each client has unique needs and goals, yet they choose Hill because they need experts who can prevent problems, minimize risks, and eliminate surprises. Our mission: to meet our clients’ diverse needs in handling project risk and exceed their highest expectations. Hill offers a full spectrum of services to assist our clients in successfully managing major capital, investment, and technical assistance programs, from initial feasibility studies, to planning and design, to procurement and construction, to start-up and operation, and finally, through implementation and contract close-out. Hill has served public and private sector clients in a wide range of sectors, including those listed below.

### Oil & Gas & Petrochemical – PMC Consultancy / Owners’ Engineers
- Compressor Stations
- Oil Batteries
- Oil & Gas & Condensate
- Pipelines
- FEED studies (selected process partner)
- Chemical Plants
- Petrochemical Plants
- UCS (Underground Cavern Storage)
- Off-shore Facilities (selected partner)
- All On-shore facilities
- Basic + Detailed Design Reviews
- Integrated PMC within Owners’ PMT
- Project Master Schedule + Cost + Contract Management + DCC
- Quantity Surveying
- QA/QC
- Site HSE
- Site Construction Management

### Transportation
- Airports
- Bridges
- Ports and Harbors
- Rail and Transit
- Roads and Highways
- Tunnels

### Industrial and Process
- Cement and Aggregates
- Chemical
- Pharmaceutical
- Pulp and Paper
- steel and Metal

### Environmental
- Hazardous Waste
- Sewerage and Solid Waste
- Water Supply

### Manufacturing Facilities
- Vehicles

### Power
- Cogeneration Facilities
- Fossil Fuel Power Plants
- Hydroelectric Facilities
- Nuclear Power Plants
- Renewable Energy
- Waste-to-Energy Facilities

### Buildings
- Apartment/Housing Facilities
- Commercial Office Buildings
- Educational Facilities
- Entertainment Facilities
- Government Facilities
- Hospital/Healthcare Facilities
- Hotels, Casinos and Resorts
- Religious Facilities
- Retail Facilities
- Sports Facilities
- Theme Parks and Zoos

### Telecommunications/Technology
Relevant Experience

Hill International has significant experience in the Oil, Gas, and Petrochemical Sector, including offshore and onshore facilities, pipelines, process plants and refineries.

As an example, Hill provided consulting services on the $3.5 billion Dolphin Project, supporting the development of upstream facilities for the production, transportation, and supply of natural gas from Qatar to Abu Dhabi. The project entails:

- Development of gas wells and installation of two platforms in Qatar’s North Field;
- Two multiphase sea lines from the wellheads to the processing plant;
- A processing and compression plant in Qatar;
- Offshore pipeline from Ras Laffan to Taweelah in the UAE;
- Gas receiving facilities at Taweelah.

The positive effects of the project reach beyond the natural gas industry in Qatar, and also impacted the political, economic, and financial sectors.

Hill has worked with some of the most prominent clients in the industry. Our consulting services helped The World Bank to develop an overall assessment of Afghanistan’s supply and demand profiles for its oil and gas markets and performed a pre-investment study for the rehabilitation of the country’s gas processing facilities and infrastructure.

Hill’s client list also includes Sunoco, Arco, Valero, Jotun FPSO (ESSO), CITGO, and RasGas.

We have earned a unique reputation throughout the world, in the design and construction industry and in the legal community, as the premier claims consulting firm with unmatched resources providing us with the ability to timely, effectively, and economically respond to our clients’ needs.
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Three (3) Emergency Pipelines in Upper Egypt

On January 04, 2011, EGAS awarded the three (3) emergency pipelines to Hill Petrol. These pipelines are considered as top priority as they will feed addition p/l gas to the existing power plants in order to prevent the re-occurrence of last summer’s sporadic black-outs. They are:

- Abu Madi to Gamase (24” x 15KM) – currently at 37% complete (with only 6 farmer compensations to resolve to complete the rest of the line)

- Belbees to Al Asher (24” x 32KM) – currently at engineering & procurement stage with no permits yet issued by Military or Ministry Decree for Farmer Compensations.

- Abu Sultan to Al Shabab (24” x 40KM) – currently at engineering & procurement stage with no permits yet issued or Ministry Decree for Farmer Compensations.
Dahshour Compression Station

Dahshour, Egypt

Hill International Petrol Egypt, Hill’s affiliate company, provides project management services for a compression station of natural gas in Dahshour. The station will enable maintenance of the required pressure in the Upper Egypt Pipeline to ensure the continuous supply of natural gas to industrial and commercial users along the pipeline route.

In addition to the above Compressor Station at Dahshour, Hill Petrol Egypt have also been awarded the GASCO Pipeline Station Tie-in contract to manage the engineering and construction contractors.

Once completed in early 01Q11, this will complete both the Dahshour Compressor Station start-up as well as its tie-in into the main North-South pipeline lateral.
Nubaria – Sadat – Dahsour Gas Pipeline

West Desert, Egypt

Client:
Egyptian Natural Gas Holding Company (EGAS)

Service:
Project Management

Total Project Value:
$ 300,000,000

Completion Date:
On-going

Hill International Petrol Egypt, Hill’s affiliate company, provides project management services for Nubaria - Sadat - Dahshour Gas pipeline Project. The Pipeline is the main source to supply Upper Egypt with the required Gas through Dahshour Gas compression Station. This pipeline consists of 155 Kms of 36” and 42” natural gas to feed upper Egypt.
HAZOP study and Risk assessment for loading off-specs condensate from Dahshour loading Station to Qarun offloading area by using trucks

Egypt

Client:
Khalda Petroleum Company

Service:
Lead HAZOP Meeting & Issue HAZOP Report

Total Project Value:
N/A

Completion Date:
2011

Hill completed a detailed HAZOP Study and Risk Assessment Process for Khalda Petroleum. Role was to lead the HAZOP meeting and provide technical engineers to attend and prepare the HAZOP reports.
Current Submitted Tenders under Evaluation by Clients

1) Saudi Aramco – PMCS for the Central/Western Region
   $8.2 Bio of TIC – 4 year services contract

2) Dow-Aramco JV (SADARA) – CM for 4 x 120000K Polyethylene Plant Expansions
   $465 Mio – 3 year services contract

3) ETHYDCO Egypt – PMC Engineering & Project Staff Augmentation for their PMT for the
   Ethylene Plant in Alexandria, Egypt
   $1.4 Bio – 4 year services contract

4) ERC – PMC / CM services
   $2.6 Bio Refinery in Cairo, Egypt

5) EHC – PMC / CM services for the NH4NO3 plant in Ain Soukhna, Egypt
   $355 Bio – 3 year services contract for the Off-sites & Utilities
Hill performed a feasibility study for infrastructure reconstruction and private sector investment in Afghanistan’s Oil and Gas Sector. The objective of the project was “evaluation of options for the development of oil and gas production infrastructure in Afghanistan”.

The project included development of options for rehabilitation of natural gas processing and fertilizer plants, evaluation of the feasibility of constructing a small refinery in country, preparation of a gas utilization analysis for Kabul and surrounding areas, and evaluation of the feasibility of constructing a gas pipeline from the Mazar-i-Sharif region to Kabul to provide natural gas operations at a power plant in the Kabul area.

Economic, strategic and financial considerations were evaluated for each option. The various options were also being evaluated under three different scenarios of high, medium and low over the economic life of the facilities. Options for promoting private sector investment included a comparative analysis of Joint Venture partnership (with and without Government participation), Build-Own-Operate; Build-Own-Operate and Transfer; and others.

A Human Resources and Organizational structure assessment was performed for the Ministry of Mines and Industry (MMI). Ministry Capacity Building
was provided under a “twinning program” involving members of the Ministry of Mines and Industry and local plant technical and operations personnel, in addition to formal training programs with international institutions.

Preparation of the appropriate regulations, pricing policies and structures, and a regulatory institution and process were included, as well as an extensive technical and managerial training program toward capacity building within the Ministry and at the plants. Funded by a grant from the U.S. Trade and Development Agency, the project was performed under the administration of the World Bank.
Hill International, Inc., in joint venture with Stanley Consultants, Inc. and Michael Baker, Jr., Inc. (Stanley Baker Hill, LLC), was selected by the U.S. Army Corps of Engineers, Transatlantic Programs Center (TAC), to provide Construction Management and general Architect-Engineer services to support the reconstruction of Iraq. Specific services required under the contract, comprised of a base year and four options years, include construction management, service contract performance management, and design management.

Under the indefinite-delivery, indefinite-quantity contract, Stanley Baker Hill supports various agencies of the U.S. government in their reconstruction efforts by monitoring and managing construction, maintaining computer systems that track the progress of individual projects, and train employees of various Iraqi agencies in the use and maintenance of the country’s new infrastructure.

To date, Stanley Baker Hill has been issued more than 40 task orders under the five-year contract. The reconstruction program spans all eighteen of Iraq’s governorates and encompasses six market sectors, including oil and gas, electricity, public buildings and healthcare, transportation and communications, security and justice, and public works and water. Projects
Iraq Reconstruction Program

total an estimated $18 billion in construction value, and have included the construction or rehabilitation of schools, hospitals and health care clinics, roads and bridges, airports, water and wastewater treatment plants, power plants and distribution systems, courthouses and police stations, government buildings, telephone and communications systems, landfills and other crucial infrastructure.

Stanley Baker Hill’s construction management services include quality assurance support, review of submittal, inspection and testing of construction materials and methods, and development of computerized systems to monitor construction costs. Stanley Baker Hill also helps the Corps prioritize the work, prepares construction schedules, verifies completed work, and helps to review and process requests for payments.

The team’s design services include the preparation of plans, specifications, design analyses, and cost estimates. Stanley Baker Hill also prepares record drawings from as-built annotations on contract drawings as received from construction contractors, and conducts engineering investigations of existing field conditions, noting and recommending solutions for potential problems where applicable. The team also prepares detailed engineering studies before and during construction.

The massive program calls for the involvement of Iraqi sub-contractors and professional personnel. To ensure that all members of the project teams are working cohesively, Stanley Baker Hill has implemented aggressive and rigorous training in project and construction management tools. Implementation of U.S. Army Corps of Engineers’ project systems, including CEFMS, PROMIS, RMS and others is an integral part of this training.
This $30 million project involved the replacement of the existing fuel farm facility at the Boeing manufacturing facility in Everett, WA, with new tanks, a control building, piping and fuel containment. It also involved the replacement of hydrant fueling pits at the aircraft stalls, as well as the replacement of aircraft stall compressed air and water lines. Hill provided cost estimating services.
The Pointe-a-Pierre, located on the west coast of Trinidad on 2,000 acres of land, is the only refinery in the world to co-exist with a wildlife park. Hill provided Construction Consulting Services on the refinery during its recent upgrade to produce larger volumes in a wider range of high-value petroleum products.
Whessoe Projects Limited (Whessoe) and Trevi SpA (Trevi) entered into a contract for Trevi to undertake civil works in connection with the construction of two liquefied natural gas tanks in Point Fortin, Trinidad. The scope of work was generally limited to the construction of the reinforced concrete foundations and reinforced concrete outer walls for the two tanks. The parties included Whessoe, a British design/build subcontractor to Bechtel, who was the EPC contractor for the overall project; and Trevi SpA, an Italian subcontractor and its Venezuelan subcontractor, Aliva Stump, CA.

Although a formal contract was never fully executed, a number of documents were intended to govern the relationship of Whessoe and Trevi. Whessoe was responsible for issuing a final Bill of Quantities based on the final design, which was never done. Trevi diligently pursued the work through June 1997 when, because of Whessoe’s failure to provide any cost or schedule relief, it entered into an agreement with Whessoe for Whessoe to take over completion of the work.

Trevi engaged Hill International to evaluate its performance during the period preceding the takeover, and to evaluate the changes, variations and impacts caused by Whessoe’s actions and failure to act. Hill prepared a Request for Equitable Adjustment showing that Trevi incurred substantial extra costs for additional work and for schedule delay, disruption and acceleration. Hill’s report was used by Trevi in negotiations with Whessoe over the claim.
The EU-funded INOGATE Program stands for Interstate Oil & Gas Transport to Europe. The Program’s overall objective was to improve the security of Europe’s energy supply by promoting the regional integration of the oil and gas pipeline systems and facilitating their transport both within the region and towards the export markets of Europe, while acting as a catalyst for attracting private investors and international financial institutions to these pipeline projects.

The overall objective of the Inogate Support Group Project was to facilitate co-operation, disseminate and coordinate information, and promote investment amongst key players of the INOGATE Program; namely, beneficiary countries, INOGATE contractors and potential investors. This project was a function of a long-term EU energy strategy aiming at a diverse, secure, environmentally friendly and cost-effective EU energy supply.

The project focused on three major objectives: Facilitating and reinforcing co-operation with producer, transit, and consumer countries with a view to supporting the achievement of the INOGATE Program’s specific objectives; ensuring an effective flow and co-ordination of information by establishing a network of regional INOGATE Officers; and promoting European investments in transport and production of oil and gas pipeline systems.
INOGATE (Interstate Oil & Gas Transport to Europe) Support

For the most part, activities included preparation of Terms of Reference for new INOGATE projects, organization or participation in working group meetings, preparation of technical documentation, updating of member countries energy profiles, preparation of proposals for future action programs, evaluations of proposals during tendering, and assisting and participating in exhibitions, conferences, and campaigns.
The joint venture of Technip, JGC, and KBR was awarded a $2.5 billion EPCC contract by Yemen LNG Company Ltd. to construct the country’s first LNG Plant. The project scope includes the construction of a two-train LNG processing plant and associated support facilities. 3 months into the project, the JV faced delays caused by abnormal difficulties in clearing the material and equipment upon delivery in Yemen. These delays are likely to cause the JV to miss the practical completion date and face substantial LDs.
When Roblett Industrial Construction began mobilization on the $22 million Terengganu Crude Oil Terminal in Malaysia, numerous and unexpected problems were to handicap the contract. The first of these, Visa restrictions, limited the importation of Roblett’s skilled Filipino work force. Instead, the contractor was forced to hire and train unskilled locals to perform highly specialized project tasks. As a result, loss of productivity and delays occurred. The Owner, Esso Production Malaysia, issued over 100 change orders to the construction work, which raised the contract value 33% and increased the scope of work. In order to meet project schedules, the contractor was compelled to increase the total number of man-hours and accelerate construction.

Roblett submitted a $14 million claim against Esso, requesting additional compensation for cumulative impact costs. Hill International was retained by Roblett to document and evaluate contractual entitlement to claim issues and compensation damages. Hill conducted interviews with personnel regarding major project impacts. A review of contract documents, claim files, project scheduling and methodology was performed. Hill also examined the cost accounting system and overheads, and estimated the range of potential recovery.

A comprehensive claim report with schedules and exhibits was prepared and issued to Roblett for possible use during litigation. The report was used during settlement negotiations, and was instrumental in providing a fair, timely, and equitable settlement to Roblett.
Oil Storage Terminal  
*Freeport, Bahamas*

Hill International provided construction consulting services, including contract review and procurement services to Vopak for the installation of three new, above-ground oil storage tanks at the company's oil storage terminal in Freeport, Bahamas. Vopak had recently purchased the facility, capable of storing three million cubic meters (or 20 million barrels). Vopak is expanding the terminal, already the largest in the Caribbean, to handle up to five million cubic meters for the storage and handling of crude oil, fuel oil and clean petroleum products.

Vopak is an international tank terminal operator that specializes in the storage and handling of liquid and gaseous chemical and oil products. Its terminal in Freeport, Bahamas, is located just 80 miles off the coast of Florida, with deepwater jetties to accommodate even the largest ships. The terminal also provides blending, trans-shipment and bunkering services.
Hill provided staff augmentation to support Sunoco’s capital construction projects in Philadelphia, Marcus Hook, and Tulsa, OK refineries.

Services included assisting the project manager in organizing and documenting the status of engineering deliverables and logging requests for information between project team and engineer. Our team also prepared cost reports and other detailed reports to notify the project manager of delays or prospective delays in response time.

- Provided project scheduling services for the small project Sunoco Capital Improvement Team
- Provided cost estimating services for the Project Control Team
- Managed the internal invoice auditing process for the Sunoco Capital Improvement Team
Hill International provided project planning assistance to Sunoco for the development of the program schedule for the Clean Fuels Projects at its three refineries; Philadelphia, Marcus Hook and Toledo. Hill worked with the Sunoco Clean Fuels Team to evaluate base plans and options to assess their impact on schedule and manpower for the development of the overall program plan.

Hill prepared the overall coordinated Milestone Schedule for the Toledo Facility. The Milestone Schedule was reviewed by Sunoco senior management and subsequently issued as part of the program bid documents. The Milestone Schedule included the full scope of the projects from front end loading activities through detailed engineering, procurement, construction, start up and commissioning.

Additionally, Hill provided an evaluation of the project schedule critical path(s), opinions on the current contracting strategy, schedule risks, and considerations for schedule improvement and risk avoidance.
Awarded a $335 million contract for the conversion and operation of a Floating Drilling, Production, Storage and Offloading unit ("FDPSO") on the deepwater Azurite development in the Mer Profonde Sud Block offshore the Republic of the Congo. This is the first time an FPSO will be developed comprising a mobile drilling rig. A large number of variation orders were issued, which included the addition of a moonpool and a drilling facility causing substantial delays and approximately $90 million cost overruns.
Vista Chemical Ethylene Plant

*Lake Charles, LA*

Vista engaged Stone & Webster Engineering Corporation (SWEC) to provide process studies on the feasibility and cost of expanding and modernizing the ethylene production plant at Lake Charles.

As a result of the studies, SWEC provided an estimate for executing the work of $98.3 million. Vista and SWEC met to develop scope reductions and a project budget was established at $80.0 million in 1989. SWEC at this phase had issued P&ID’s for Owner comments.

The Owner subsequently issued several hundred comments on the P&ID’s which changed the design of the plant. A definitive estimate was not prepared until September 1989 for $87 million. The “final” P&ID’s were not issued until 1990. In addition, Vista continued to modify the design throughout 1989-1991. Vista was responsible for cost control functions and construction management.

The final cost of the project was $131 million and Vista sued SWEC and the construction contractor.

Hill International analyzed the cause of the cost overruns and assisted the SWEC attorney in defending the lawsuit. Hill addressed issues including cost estimating, the numerous design changes, cost control and construction management.
Hill International was retained by a leading manufacturer and constructor of refinery equipment to provide claims analysis services in connection with a dispute over cost overruns incurred during construction of an Air Separation Unit at a Delaware refinery. The manufacturer alleged that it had encountered numerous delays, impacts, additional costs and damages during construction of the air separation unit, part of a larger gasification project at the Delaware City refinery.

Hill provided comprehensive claims analysis services, as well as a detailed report of its findings for the manufacturer’s use in negotiating its claims.
The Mechanical Contractor, ABB Sveca Sade, S.A., filed a claim for $15 million against M. W. Kellogg Company, the Construction Manager, on the Pequiven Ethylene Refinery rehabilitation project in Venezuela. Hill International provided an initial claim review on the assignment.
Hill International was retained by Southwest Industrial, Inc., a subsidiary of Swinerton & Walberg to perform an impact schedule analysis of the Farmland Project from the start of construction in April 1997 to the start of the scheduled plant shutdown on or about July 6, 1997.

Hill examined schedules labor cost reports, the project estimate, as well as design drawings and specifications. Causal connections between owner-caused delays and impacts to the project schedule were determined, as well as causal connections between client-caused delays and impacts to the project schedule. Hill performed a preliminary productivity analysis to determine an order of magnitude for additional compensation to which the client might be entitled. The client was able to negotiate a favorable settlement.
Hill International was retained by Consolidated Contractors International Company (CCIC), to prepare a delay and disruption claim for the main contractor on the Ruwais Refinery expansion project.
Dung Quat Refinery

Dung Quat, Vietnam

The Technip Consortium (TCP), comprised of Technip France, Technip Geoproduction, JGC and Technicas Reunidas, were awarded a lump-sum, turn-key contract by owner PetroVietnam for the engineering, procurement, construction and commissioning of the Dung Quat Refinery Complex. The $2.5 billion (USD) project, located in central coastal Vietnam, was the country’s first crude oil refinery.

During the course of the 42-month project, TCP was delayed and disrupted as a result of a number of events it alleged were outside its control, and began working on a formal claim for an extension of time and associated costs. Hill was retained by Technip to analyze the nine-month delay and provide a detailed time impact analysis for Technip to use in its claim against PetroVietnam. Hill’s efforts helped TCP establish entitlement to the time extension by demonstrating and substantiating the causes and effects of various owner-caused delays.
Hill International was retained to perform a claims assessment and develop a claims strategy for Hyundai on the construction of an oil refinery in Athens - the largest refinery in Greece. The 21 month, $36.8 million project had experienced problems that developed into financial hardship for Hyundai. Hyundai had prepared a draft claim, and they requested Hill to assess the draft claim to determine its potential effectiveness and to develop a strategy to achieve successful recovery of additional costs and relief from liquidated damages for late completion.
The Murphy Oil Refinery produces 125,000 barrels a day of low sulfur diesel and gasoline for the Gulf Coast market. After terminating the construction contract with its subcontractor for poor performance, the owner retained Hill International to provide an independent assessment of the owner’s completion status. Hill analyzed the installed quantities.
Titan Methanol Plant

Point Lisas, Trinidad

Client:
Damus Ltd

Service:
Claims Analysis
Expert Testimony

Total Project Value:
$4,750,000

Completion Date:
2000

Mechanical engineering services supplied all resources to transport, fabrication, blast, paint, inspect, test, erect structural steel and piping and mechanically complete on the Titan Methanol Company plant constructed by Lurgi Carabbean, Ltd.

Lurgi contracted Voes - Alpine Gmbh branch office Trinidad (VA/MCE), the sub-contractor to direct, supervise and sub-contract the relevant works to be done.

Project had continuous disruption/planning problems including compression of schedule, rain lost time, transport of extra materials, technical queries, and large increase of scope.

Hill provided claims support, expert witness, and delay analysis.
Dolphin Energy Gas Initiative

Abu Dhabi, UAE

The Dolphin Gas Project is a unique strategic energy initiative designed to supply large quantities of natural gas from offshore Qatar to the United Arab Emirates in 2006. The mandate of Dolphin is to produce, supply and transport natural gas from a dedicated section of Qatar’s North Field to customers in Abu Dhabi, the UAE capital, and Dubai, its commercial hub. The costs of the complex upstream gas gathering and processing plant in Qatar’s Ras Laffan and the overall investment in the Dolphin Gas Project makes it one of the largest energy-related ventures ever undertaken in the Middle East.

Dolphin Energy’s Dolphin Gas Project produced, processed and transported by pipeline, natural gas from Qatar’s North Field to the UAE, to power long-term industrial growth in the United Arab Emirates. Dolphin Energy Limited was the Operator of all Upstream, Midstream and Downstream phases of the Dolphin Gas Project.

The gas came from Qatar’s North Field, the largest single non-associated natural gas field in the world. It was produced 80 kms offshore, then transported to Qatar’s Ras Laffan industrial city by pipeline for processing. The Gas Processing Plant at Ras Laffan stripped out valuable commercial products—such as condensate, LPGs, ethane and sulphur - so that ‘lean, sweet gas’ was transported by pipeline to the UAE. The 48-inch pipeline ran...
Dolphin Energy Gas Initiative

over 400 kms from Ras Laffan to the UAE where gas receiving facilities were constructed to facilitate local gas distribution. The pipeline initially carried gas at the rate of 2 billion cubic feet per day, with provision for this to be expanded to 3.2 billion cubic feet per day, when required.

Hill International prepared and administered the project’s services, Front End Engineering and Design (FEED) and Engineering, Procurement and Construction (EPC) Contracts for the $4 billion Gas Project. Hill also assisted during prequalification and tendering, and with contract administration and closeout.
Abu Dhabi Oil Refining Company (TAKREER) retained Hill International to review and enhance its standard contracts to improve the contract terms and conditions with respect to legal, technical, commercial and risk issues and to incorporate worldwide best practices. The intent was also to improve Takreer’s contracts performance by reducing tenderers’ exceptions to Takreer conditions, reducing potential claims and improving delivery, cost, quality and financial/cost control. Hill International reviewed all contracts and recommended changes to reduce risk. A master Information Technology contract was developed for Takreer in addition to an Information Technology contract checklist to assist Takreer’s project and Information Technology staff in contract review.
The Sohar Refinery

*Batinah, Oman*

**Client:**
JGC Corporation Japan

**Service:**
Claims Analysis

**Completion Date:**
2006

Our client had an EPC contract to construct $1 billion refinery in Sohar for Oman Oil Company. Hill prepared a claim which entailed a detailed review of documentation, schedule analysis, advice on the claim preparation, review of cost and labor etc. records, and possible negotiation assistance.
Technip and Chiyoda were awarded a $4.6 billion contract for the engineering and construction of the LNG train project in Ras Laffan, Qatar. Hill has been instructed to carry out a review of the baseline schedule and carry out a time impact analysis on the baseline schedule to determine Technip’s entitlement to an EOT claim and any associated costs. Work is being carried out in Yokohama, Paris, and Qatar.
In July, 2006, Northeast Biofuels, L.P. (NEB) contracted under an EPC contract for the design and construction of a 100 million gallon per year ethanol plant in Fulton, New York. The project site is an old Miller brewing facility. The original contract price was $121 Million with completion originally scheduled for December 2007. Interim Completion was achieved in August, 2008. At that time, the project had experienced significant delays and Substantial Completion had yet to be achieved. The EPC contractor submitted a series of change order requests for time extensions and additional compensation.

On behalf of NEB, Hill provided an independent assessment of the cause and responsibility for schedule delay and cost growth experienced on the project. Hill also reviewed previously approved and proposed change orders affecting the project. The overall objective of Hill’s efforts was to evaluate if the proposed change orders submitted by the Contractor were appropriate and reasonable. Hill also assessed the cause and responsibility for critical project delays to assess the imposition of liquidated and other actual damages against the Contractor.

NEB and the Contractor attempted to resolve the open change order issues with meetings between the respective Project Representatives and CEO’s for NEB and the Contractor. These efforts were not fruitful and the project proceeded to Arbitration.
At the same time, NEB was also working with the Contractor and others in an attempt to restart the plant after encountering some unforeseen issues related to system infections and other operational problems. When the original Contractor left the site, Hill assisted NEB in developing contracts with a replacement contractor and reviewing estimates for the completion of the project.
Bayamon Refinery Project

_Cataño, Puerto Rico_

Harbor Bunkering Corp. was storing fuel oil at a terminal owned by Caribbean Petroleum Refining (Capeco). During the period the fuel was being stored, a devastating fire occurred at Capeco’s facility.

Alvarado, Vazquez, Fernandez selected Hill to assist Travelers Insurance in seeking recovery of damages incurred by Harbor, to perform evaluations of the events surrounding the fire and subsequent loss, to perform evaluations and assessments of the extent of the loss and damages incurred, and to advise in the recovery of damages.
PHARE project 586.04.08.04, The Technical and Economic Study for Oil Pipeline in Romania, was implemented to assess the feasibility of constructing a crude oil transit pipeline from the Black Sea port of Constanta in Romania to the Adriatic Sea, with a link to the Trans Alpine Pipeline network at Trieste.

The project addressed all key issues concerning the pipeline as whole and specific issues concerning the realization of the pipeline in Romania. The findings were presented in six task reports. The Final Report summarized the finding of each task.

The project was undertaken by a consortium led by Hill International and was executed between April 2004 and February 2005. The Ministry of Economy & Commerce’s Directorate for Programs with International Organizations controlled implementation and the Commission was contracted by the CFCU of the Ministry of the Public Finance. Project funding was provided under the European Union’s Phare program.

The main objectives of the project are:

- To review previous feasibility studies, utilizing all available data on route selection to prepare the detailed design for each road section.
- To select a viable route for the pipeline, and to give inputs from technical and environmental considerations.
- To define the geological challenges, and to engineer for the transit through a seismic region.
- To ensure that the economics of the project allow the construction of a pipeline to be feasible.
- To ensure Health and Safety issues are addressed and implemented.
- To ensure that the route selected has the minimum impact on people, land-use and environmentally sensitive areas.
- To assist with an application to the IFC’s for finance.

**Cost and Schedule Performance**

The Project was completed on time and within the original budget. Hill International has presented the findings of the study at Minister level to the transit countries. Intergovernmental discussions are currently underway exploring ways to advance the project.
Guadalupe Dunes Clean Up Project
Santa Maria Valley, CA

This project involves the cleanup of an environmentally sensitive beach area in the Santa Maria Valley known as the Guadalupe Dunes. Between the 1950’s and 1994, over 12 million gallons of diluent, a refined petroleum product, leaked from pipes at Unocal’s 2,700 acre oil field near San Luis Obispo. Unocal agreed to pay $43.8 million in penalties and to remediate the contaminated area.

Issues of consideration are that the fragile sand dune habitat is an extremely environmentally sensitive area that hosts several endangered species, and the remediation effort must have minimal impacts on these animals. This cleanup effort will involve permitting and approval with numerous government regulatory agencies. The site involves over 80 separate plumes, with the half of the diluent beneath the field’s main diluent tank battery. Proposed technologies are still being evaluated but may include limited excavation, monitoring plumes for spread of contamination, and injecting hot water into the plumes and pumping out the contamination using a series of wells. Unocal will remediate 17 of the contaminated plumes.

Hill is part of the Jacobs Engineering team that is responsible for remediation. Hill is providing the Project Controls Manager for the site and is responsible for cost control, scheduling, document control and change management. Additionally, Hill’s scope includes reviewing invoices for payment, producing monthly performance reports, and assisting with permitting and approvals for more than ten government agencies.
Hill provided contract administration for the recording, valuing and recovery of change orders and variations with regards to the construction, mechanical completion, pre-commissioning, and commissioning of topside facilities and hull appurtenances at the Erha Deepwater site. Contractual and commercial advice for preparation and evaluation/defense of claims from subcontractors for extension of time and acceleration was also provided. Hill drafted contractual correspondences and researched and investigated for the provision of specific legal opinion on contentious matters under the contract utilizing Hill UK in-house law library and legal professionals.
Illinois Biodiesel Plant

Chicago, IL

Biodiesel Systems LLC is building an $80 million biodiesel plant in Chicago, IL. The plant will produce approximately 60 million gallons per year of biodiesel fuel from soybean oil and animal fats. Construction is expected to start in October, 2007 and be completed in December, 2008.

Hill is acting as the Owner’s Representative and is providing Pre-construction and Construction phase services. Responsibilities include cost estimating and budget preparation, schedule review, EPC contract negotiation, permitting, design oversight, procurement support, construction management, commissioning, and contract closeout.
Champion West Phase III EPF Platform

Brunei

Client:
Malaysia Marine and Heavy Engineering Sdn Bhd

Service:
Claims Analysis

This project involves engineering, procurement, fabrication, pre-commissioning, load out, and commissioning support for a drilling platform fabricated and installed in Brunei. Hill is assisting the shipyard with preparation and submission of change orders during construction to installation. Hill is also providing advice to the shipyard on dispute resolution procedures in order to settle final account.
Hill defended our client against a £26M claim in relation to the fabrication and erection of the Naphtha Minus Plant. We prepared a detailed “cause and effect” analysis on all aspects of activity on shop fabrication, overseas transport, inland transport, site erection, commissioning, snagging, and performance testing. Settlement was achieved at less than 10% of the original claim amount.
Awarded a $335 million contract for the conversion and operation of a Floating Drilling, Production, Storage and Offloading unit ("FDPSO") on the deepwater Azurite development in the Mer Profonde Sud Block offshore the Republic of the Congo. This is the first time an FPSO will be developed comprising a mobile drilling rig. A large number of variation orders were issued, which included the addition of a moonpool and a drilling facility causing substantial delays and approximately $90 million cost overruns.
Hill was selected by the Federal Energy Regulatory Commission to assist in preparing the Project Management Procedures by which changes, claims and disputes were resolved on the $44 billion Alaska Gas Pipeline, the largest construction project in history. Hill advised how to adjust the new Incentive Rate of Return scheme (for controlling costs) when changes occur.

Hill’s scope of services included the preparation of the categories of the changes that should be included in the adjustment; procedures by which changes on the Pipeline are identified, reported, monitored, verified and priced; the organizational structure necessary to administer the procedures; the means to resolve disputes over whether or not adjustments in price should be made; and, finally, the actual method by which the adjustment is made.
The Gorgon Project is one of the world’s largest natural gas projects and the largest single resource natural gas project in Australia’s history. The project will develop the Greater Gorgon Area gas fields, located about 130 kilometres off the north-west coast of Western Australia. It includes the construction of a 15 million tonne per annum (MTPA) Liquefied Natural Gas (LNG) plant on Barrow Island and a domestic gas plant with the capacity to provide 300 terajoules per day to supply gas to Western Australia. Gorgon LNG will be off loaded via a four kilometre long loading jetty for transport to international markets. The domestic gas will be piped to the Western Australian mainland. The complexity and sheer scale of Gorgon is unprecedented. This project is subject to the strict requirements of the Security of Payment and Construction Contracts Act of 2004 (WA). Hill is providing contract, commercial, and claims related advice assisting the offshore contractor Boskalis to prepare timely analyses to meet the CCA timetable for claims from its subcontractors and for onward processing with the Client.
Kashagan Development
Kazakhstan

The Kashagan Oil Field covers an area of over 5,500 sq km in the Caspian Sea, with sea ice being present in winter and temperatures ranging from -35°C to 40°. Hill was engaged by KazMunaiGas in 2007 to undertake a major audit/review of the Kashagan Experimental Project and Full Field Plan which involved reviewing the design integrity and QRA, management of major contracts, involving evaluation of the administration, management and performance of the main contracts and the responsibility of all parties involved from ‘concept definition’ through ‘execution’ to completion, suitability of chosen contracts, adequacy of defined scopes of work, claims, change management procedures, reasons and responsibility for cost escalation. Hill performed a comprehensive management review of this project. This involved detailed audits of the project management processes, contract administration, organizational structures, health and safety issues, quantitative risk assessments, FEED design and procurement processes.
Reliance Dhirubhai 1 & 3  
Gas Fields Development Project  
Krishna Godavari Basin, India

Hill supplied a number of contract consultants and delay analysts to work in the client offices in the Netherlands undertaking both day-to-day contract administration duties in relation to Employer and Sub-contractor issues and preparation of delay claims for a major offshore Oil and Gas facility on the North East coast of India. Our client is an international EPIC contractor who was contracted to design and build the major part of the overall facility, primarily the offshore section. Hill was initially commissioned to review contractor entitlement to, and prepare claims for, extensions of time to key milestone dates. The project was suffering delays and there are substantial delay damages attaching to these dates for which the client was being burdened. An important early action in our engagement was to gain maximum relief for our client from being levied these damages. Throughout the early stages of this brief it became clear that in addition to these claims there was also a need to protect the contractor with effective contract administration procedures and commercial services. Hill was appointed to carry out this function in parallel in addition to preparing financial claims for submission to the Employer. Throughout this process Hill were also tasked with commercial account and claims management of some major subcontract works. Although these matters are not concluded at this juncture there has been significant progress made in resolving these matters and the initial relief from delay damages has been a very important stage in protecting the contractor’s commercial position throughout the overall resolution process of these accounts.
Tweedsmuir Platform
North Sea, UK

Hill supplied a number of contract consultancy staff to supplement the client project team in Aberdeen to assess and analyze commercial matters in relation to the progress and settlement of the contractor’s account.
YLNG Project, Yemen

The joint venture of Technip, JGC, and KBR was awarded a $2.5 billion EPCC contract by Yemen LNG Company Ltd. to construct the country’s first LNG Plant. The project scope includes the construction of a two-train LNG processing plant and associated support facilities. 3 months into the project, the JV faced delays caused by abnormal difficulties in clearing the material and equipment upon delivery in Yemen. These delays are likely to cause the JV to miss the practical completion date and face substantial LDs.
Low Sulphur Diesel Production (LSDP) Project
Bahrain

JGC provided design, procurement, construction management and commissioning assistance services. The contract is worth an estimated $690 million. The low sulphur diesel project is the main element of BAPCO’s strategic investment program at this current time. JGC are well acquainted with the refinery, having conducted four previous modernisation and construction projects there already.

JGC is undertaking the construction of facilities that include the hydrocracking unit, a hydrogen production unit, two sulphur recovery units and off-site utilities, as well as increasing processing capacity of the existing mild hydrocracking unit from 54,000bpd to 70,000bpd and revamping it to an ultra-deep desulphurisation unit, achieving a reduction in sulphur in the diesel product down to below 10ppm. An expansion to the steam methane reforming unit is also planned.
Hill has been requested by Intrepid Energy to undertake a review of the invitations to bid for the jackets, installation, sub-sea, pipelines, process, and utilities on the Buzzard project. Our review will entail a review of the contract, the programmes, the design and construction programmes, the risk management packages, and the full ITT packages. We will provide a report which identifies the risks associated with those works and determine the current risks to the client. The parties associated with this project are Encana, Intrepid, Edinburgh Oil, and British Gas.
Dolphin Project Phase II

Paris, France and Abu Dhabi, UAE

Client:
Dolphin Energy (Limited)

Service:
Staff Augmentation

Total Project Value:
$3,500,000,000

Hill provided staff augmentation services for the development of upstream facilities for the production, transportation and supply from the natural gas formation in offshore Qatar to Abu Dhabi.
Hill International was retained by Chevron Overseas Petroleum, Inc. and its outside law firm to provide claims analysis and expert testimony on a marine lien claim.

The project involved the refurbishment and conversion of two offshore production rigs with oil production and processing facilities. The conversion work was performed in Texas and the rigs were installed in Nigeria.

The mechanical subcontractor was not paid by the general contractor for portions of the structural, equipment installation, and piping work. However, Chevron had paid the general contractor for this work under a fixed price contract. The subcontractor filed a marine lien (total cost) claim based on the value of its work, seeking recovery of its unpaid costs from Chevron.

Hill analyzed the project costs incurred by the subcontractor, the contract value of its work based on the general contractor’s work breakdown structure schedule of values, and issues that may have increased the subcontractor’s costs. Hill prepared an expert report on the adjusted value of the work, including an assessment of delay, rework, and loss of productivity caused by the contractor and subcontractor.
On Jotun, a Floating Production Storage and Offloading Unit built by Kvaerner Oil & Gas for Esso Norge AS with a Contract Value of US $243 million, Hill was called in on a claim by WEMED against ESSO (Norway) to analyse the paint and paint techniques on Jotun B.

Hill International’s scope of work included a written technical report with recommendations concerning the responsibility for the failure and the reasonableness of the original programme. Subsequently, Hill was asked to review the implications of the failures and to provide some financial advice concerning the options to correct the failures. Hill concluded that there were several paint failures with the International Paints’ 1H system. Finally, in discussion with the parties, Hill provided recommendations for remedial work. Another litigant, KOGas agreed to the complete paint rectification suggested by Hill.

Subsequently, Hill monitored the progress of the works and advised on performance and reasonableness of costs incurred.

Type of services provided:

- Technical appraisal
- Risk management
- Financial assessment
- Management consulting
Keppel Fels constructed an FPSO facility for Statoil and claimed $10 million for late payment. Statoil counterclaimed $20 million for defects and warranty claims. Hill is engaged as the expert to qualify the damage under the counterclaim which will involve ratification of Singaporean prices and productivity rates. The appointment is very late in the proceedings and Hill will have to undertake a review of other work and possible reliance which will lead to expert testimony.
Melut Basin Oil Development Project

Sudan

Hill was appointed by various Malaysian EPCC Contractors to provide advice on EOT & Loss & Expense Claims, Change Order Claims and Retainer Services. The project involved Process Facilities, Pipelines, Pumping Stations and Port Facilities.
Nam Con Son Gas Project

Vietnam

Hill provided contractual and commercial advice for preparation of claims for extension of time, loss and expense, prolongation and acceleration in relation to an EPC contract for an onshore gas processing facility. The processing plant includes 20km of offshore pipeline and 40km of onshore pipeline in Southern Vietnam. Upon completion of this task, Hill continued to provide contract administration for assessing value and recovery of further change orders to preserve the clients' position in relation to an agreed MOU.
Hill reworked the client’s claim/application for additional payment in connection with this contract for the on-shore and off-shore geotechnical and geophysical investigations for the construction of a major LNG installation complete with breakwater, and provided ongoing advice.
Hill provided claims analysis to review and comment on Delta CPM’s work product (Phase I) and proposed a plan to develop the appropriate document for submission to Pacific Pipeline Systems, Inc. (PPSI) that recovered costs experienced by ARB for which PPSI was responsible.
PLUTO LNG - Independent Schedule Review
Perth, WA, Australia

Client: Woodside Energy Pty Ltd
Service: Audits
CPM Scheduling
Total Project Value: $12 Billion
Completion Date: 2010

The Pluto LNG project is located about 190km north-west of Karratha, Western Australia, in the Northern Carnarvon Basin. Hill conducted integrity audits to confirm contract scope, timing, logic linkage, that the critical path was reasonable, planning methodology and assumptions were appropriate, and confirmed engineering, procurement, fabrication, and installation were correctly modeled. Project progressing methods and data were audited to confirm the reliability of schedule forecasting. Change orders, carryover work, and growth work were audited to determine if these items were included and accurately modeled in the program. Commissioning and start-up planning were audited for alignment between onshore and offshore efforts. Hill also reviewed and audited the Schedule Risk register to confirm completeness of schedule related risks. Woodside’s Pluto LNG Project is set to become the fastest developed LNG project, from discovery of the gas field in 2005 to first gas from the field in late 2010 and first LNG in 2011.
The Pearl GTL project includes the development of offshore natural gas resources in Qatar’s North Field, transporting and processing the gas to extract natural gas liquids and ethane, and the conversion of the remaining gas into clean liquid hydrocarbon products through the construction of the world’s largest integrated GTL complex in Ras Laffan Industrial City. The complex will be converting natural gas into 140,000 barrels per day of clean-burning liquid transport fuel and other products. The project will also produce 120,000 barrels of oil equivalent per day of natural gas liquids and ethane. Hill will provide consultancy work and claim defense services for the project.
Hill has been engaged by the Chiyoda / Technip Joint venture (CTJV) to perform delay analysis work on the QCS Qatargas 3 & 4 project situated at Ras Laffan, Qatar. This is a high profile project consisting of two LNG Liquefaction Trains that are the largest under construction in the world at 7.8 MTA. Two further trains of the same capacity are also being constructed by CTJV under a separate contractual agreement. This project is approximately one year in advance of the Qatargas 3 & 4 project. Hill prepared a Phase I report to provide advice to CTJV on delay analysis efforts.
Hill International will provide claims and consulting services for the Ras Laffan Port Expansion Project. The new port will be a world class facility constructed in phases to accommodate the developing industries that are expected to operate in the industrial city. This phase consists of the new LNG berths, liquid cargo berth, dry docks, and repair yards. The dredging, reclamation, and breakwaters will form a part of a single contract that will enclose the area around the port and provide adequate land for utilities and services to be able to access berths that will be built inside the port. The berths will be built on an incremental basis with provision for at least the next 20 years. Provision has also been made for industries that are likely to be based at Ras Laffan. The joint venture has the Construction contract EPIC for dredging, land reclamation and construction of breakwaters.
Hill provided contract review services to identify potential contractual risks in relation to the construction of a US $2 billion LNG Terminal, processing plant, and two LNG trains with a combined annual capacity of 7.6 million tons, as well as all associated support facilities and infrastructure. Hill has continued in an advisory role to provide contractual advice in relation to claims for extension of time, loss and expense, acceleration and Change Orders for the duration of the contract.
Oil Storage Terminal
Freeport, Bahamas

Hill International provided construction consulting services, including contract review and procurement services to Vopak for the installation of three new, above-ground oil storage tanks at the company’s oil storage terminal in Freeport, Bahamas. Vopak had recently purchased the facility, capable of storing three million cubic meters (or 20 million barrels). Vopak is expanding the terminal, already the largest in the Caribbean, to handle up to five million cubic meters for the storage and handling of crude oil, fuel oil and clean petroleum products.

Vopak is an international tank terminal operator that specializes in the storage and handling of liquid and gaseous chemical and oil products. Its terminal in Freeport, Bahamas, is located just 80 miles off of the coast of Florida, with deepwater jetties to accommodate even the largest ships. The terminal also provides blending, trans-shipment and bunkering services.