

CYIENT

MEETING THE PROCESS, EFFICIENCY, AND DATA NEEDS OF THE OIL & GAS INDUSTRY

How we work with our clients to help overcome challenges
for a better tomorrow



Overview

Energy sector companies find themselves in a complicated and evolving regulatory landscape, with added challenges such as talent shortages and cost pressures, as well as the need for efficient information management and investment in new technologies. At Cyient we help the players across the oil and gas value chain navigate the changing landscape with our unique offerings in the following areas: E&P data management, geospatial solutions, and greenfield and brownfield plant engineering solutions.

Services Background

As a focused engineering and services company, we at Cyient provide end-to-end design solutions and data transformation services across the entire spectrum of the oil and gas value chain. We serve exploration firms, EPCs, rig operators, shipyards, design houses, and equipment manufacturers with the sole objective of helping them control costs, speed up time-to-market and provide reliable data for informed decision-making.

Our comprehensive range of engineering solutions stretches from conceptual design, construction and commissioning support, to core content management and its support. Our design solutions are tailored to client requirements to provide maximum reliability according to the latest regulatory norms. Our designs flow from our philosophy of simplicity of construction, redundancy, robustness, and ease of operation. Our data transformation solutions help oil and gas companies manage and organize their data, information, and other content more efficiently and effectively. We offer scale, process, and quality excellence that help transform partial and/or inaccurate data into value-added content. At Cyient we provide effective tools to manage operations, enabling swift responses to changing business situations. Our domain specialists can handle cross-regional projects of any size, whether fixed or floating, owing to our:

WE USE PROVEN PROCESSES AND METHODOLOGIES AND THE LATEST TOOLS, WHICH ARE SUPPORTED BY A DEDICATED CENTER OF EXCELLENCE AND SKILLED RESOURCES.

- 20 years of experience in providing engineering as well as data transformation and analytics solutions
- Matured quality processes
- Stringent IP protection procedures that are tailored to oil and gas industry requirements

Value Proposition

Domain Expertise

- Experience in end-to-end engineering solutions for offshore floating and fixed structures
- Multidisciplinary team consisting of: naval architects; structural and piping engineers and designers; mechanical, HVAC, process, electrical, and instrumentation engineers; drilling equipment consultants; CAD and GIS professionals
- 20 years of data management experience handling hundreds of diverse data types
- Leading GIS experts, providing integrated geospatial data processing and analysis for effective decision making
- Highly skilled remote sensing experts qualified in cartography and earth sciences

Quality and Speed

- Metrics-driven project management process ensures reliability and predictability for time-critical offshore projects
- Multi-shift operation model and cross-pollination of ideas from engineers in different domains across the organization enable us to access our large talent pool to minimize the design cycle time and manage project peaks and troughs

- Proven processes for delivering accurate and reliable data with over 98% first-time acceptance

Regulatory

- Familiarity with regulations, rules, codes, and recommended practices—SOLAS, MARPOL, NORSOK, ICLL, ITC, USCG, MODU, ASME, API, CSR, ILO, and Merchant
- Familiarity with class rules and experience in coordinating with various classification societies such as ABS, LRS, DNV, RRS, IRS, B.V, and G.L for plan approvals

How We Have Helped Our Clients

Savings of more than USD 30 million to date for a world-leading rig operator: Eliminated site testing of various client rigs by validating the design changes of the components including: derrick, spud can, mud pumps, piping, and drilling systems

Substantial savings to a leading shipyard: Innovatively designed a hydraulic jack-up system for a construction support platform

Considerable reduction of operational and capital expenses for a leading pipe laying vessel operator: Upgraded the vessel design to increase accommodations of 60 to 200 people using off-the-shelf materials and with minimal modifications

Catalogued and indexed over 1 million unstructured documents for a leading energy information provider

Real-time GPS and total station survey data processing: Quick turn-around for a leading Canadian oil and gas consultancy firm

Over 6,000 miles of pipeline CAD drafting for a leading US oil and gas firm

Service Offerings

MIDSTREAM

Vessel Owners/Shipyards/Design Houses

- Conceptual and basic and contract design
- Detailed design and fabrication support
- Surveys

Pipeline/Transportation

- Pipeline mapping
- Pipeline engineering
- Pipeline management

DOWNSTREAM

Refineries/Gas Processing Plants

- FEED
- Basic design
- Detail engineering
- Automation and commissioning support
- Procurement and construction
- As-built documentation

UPSTREAM

Rigs and Production Platforms

- Concept, basic, and detail design
- Procurement
- Commissioning and construction support
- As-built documentation
- Asset integrity management

Oil and Gas Equipment

- Product design
- Advanced engineering
- Engineering validation
- Life cycle support

Exploration and Production Data Management

- Product design
- Advanced engineering
- Engineering validation
- Life cycle support

Geospatial Data Management

- Infrastructure, cadastral, and terrain mapping
- Using GIS and remote sensing techniques

About Cyient

Cyient is a global provider of engineering, manufacturing, data analytics, networks and operations solutions. We collaborate with our clients to achieve more and shape a better tomorrow.

With decades of experience, Cyient is well positioned to solve problems. Our solutions include product development and life cycle support, process and network engineering, and data transformation and analytics. We provide expertise in the aerospace, consumer, energy, medical, oil and gas, mining, heavy equipment, semiconductor, rail transportation, telecom and utilities industries.

Strong capabilities combined with a network of more than 13,100 associates across 38 global locations enable us to deliver measurable and substantial benefits to major organizations worldwide.

For more information about Cyient, visit our website.

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