

CYIENT

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

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



CELEBRATING
25
YEARS

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 four major areas: E&P data management, geospatial solutions, offshore/onshore structures greenfield and brownfield plant engineering solutions, and oil field equipment solutions.

Value Proposition

Domain Expertise

- 1.5 million+ hours of greenfield and brownfield project engineering experience in fixed and floating offshore structures
- 1 million hrs of product engineering for oil field equipment including downhole tools and subsea
- Multidisciplinary team providing complete project life cycle support—from design to procurement to construction support
- 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

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

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 99.9% first-time acceptance

Regulatory

- Familiarity with regulations, rules, codes, and recommended practices—SOLAS, MARPOL, NOORSOK, ICLL, ITC, USCG, MODU, ASME, API, CSR, ILO, 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

Services

At Cyient we provide comprehensive solutions and services across the entire oil and gas value chain, serving leading oil and gas exploration firms, EPICs, rig operators, shipyards, design houses, and equipment manufacturers to control costs, speed up time-to-market, and provide reliable support for aftermarket services.

Service Offerings

UPSTREAM

Rigs and Production Platforms

- Concept and basic design
- Detail engineering
- Asset maintenance and management
- Procurement and construction support

Oil Field Equipment

Downhole/Subsea/Surface equipment

- Product and advanced engineering
- Prototyping and testing
- Reverse engineering

Exploration and Production Data Management

- Geological data management
- Legacy data migration and classification
- Software support
- Database management

Geospatial Data Management

- Infrastructure mapping
- Cadastral mapping
- Terrain mapping
- Using GIS and remote sensing techniques

MIDSTREAM

Vessel Owners/Shipyards/Design Houses

- Concept design
- Basic design
- Detail design
- Procurement
- Fabrication support

Pipeline/Transportation

- Pipeline mapping
- Pipeline management

DOWNSTREAM

Refineries/Gas Processing Plants

- FEED support
- Detail engineering
- Procurement and construction support

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

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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