

Applus+K2 provides construction services to the global oil and gas industry for newbuild, conversion and upgrade projects. At our operating centres in the key offshore construction hubs of Singapore, South Korea, Brazil, Houston and Abu Dhabi, Applus+K2 has successfully completed multiple projects for the world's largest shipyards, OEM's and oil companies.

As one of the world's largest independent derrick building companies, Applus+K2 combines rigging and lifting, mechanical, hydraulic, electrical, bolt torqueing and alignment skill sets to provide our clients with turnkey solutions.



CONSTRUCTION CAPABILITIES

- Derrick Assembly - Structure
- Mechanical and Equipment Installation
- Piping Installation
- Electrical Installation
- Commissioning
- Shipyard Services

In addition to our core services, Applus+K2 offers structural modelling and analysis as well as technical drafting through our in-house engineering department. This allows us to deliver greater value to our clients as a single service provider.

Derrick Assembly - Structure

Applus+K2 has completed over 100 newbuild derricks, including the assembly and installation in Korea of the world's heaviest drilling derricks onto two newbuild drillships of leading drilling contractors.

- Turnkey assembly.
- Mechanical, electrical, piping installation.
- Structural and dimensional alignment.
- Bolt torqueing and reporting.
- Standards such as ABS CDS and Norsok.
- Installation and commissioning.



Mechanical and Equipment Installation

Installation of all mechanical equipment, structures and ancillaries in accordance with OEM or shipyard installation instructions.

- Drilling equipment.
- Flares, flare booms and flare tips.
- Heat shielding.
- Fire proofing systems.
- Sound dampening systems.
- Mooring systems.
- Lightning protection systems.

Piping Installation

As part of a package or as a stand-alone requirement, Applus+K2 can provide experienced teams to conduct piping installation.

- Cutting, fitting and installing all pipework.
- Drilling pipework including mud and cement pipework, vent lines and compensator lines.
- Process piping.
- Instrumentation pipework.

Electrical Installation

Installation and mechanical completion of all electrical components in accordance with internationally recognized standards such as IEEE.

- Cable tray routing and installation.
- Cable pulling.
- Electrical item installation including floor lights, fluorescents, AWL's, junction boxes, CCTV cameras etc.
- Terminations.
- Testing and commissioning.

Commissioning

Multi-disciplined commissioning and installation teams support the transition from project stage to operational readiness.

- Offshore rigging and lifting teams.
- Baseline inspection and survey.
- Electrical system commissioning.
- Engineering verification
- Flushing and pressure testing services.
- Safety and technical training.

Shipyard Services

Post-scaffolding access teams are often used to achieve pressing delivery deadlines.

- General snagging work.
- Electrical system installations.
- Mechanical and hydraulic installations.
- Difficult access solutions.
- Welding and hotwork teams.
- Coating repairs.



Profile

Applus+K2, part of Applus+ Group's Energy & Industry Division, provides a comprehensive range of services that span the entire lifecycle of the global rig, FPSO and energy industry.

Applus+K2 has operating offices in Singapore, Korea, Brazil, Abu Dhabi and Houston along with representative and logistical support from our parent company who have over 350 offices in more than 70 countries globally. This allows us to source and develop local resources with local content benefits and mobilisation savings passed onto our clients.

Our Inspectors are trained and assessed according to company's Competency Management System, which incorporates internationally recognized schemes such as PCN, ASNT, CompEx, CSWIP, LEEA & IRATA by utilizing our proprietary management planning software and mobile project report tools (APPS) to deliver consistency and quality to customers.

Our Services

Inspection and Survey

- Advanced NDT Services
- Conventional NDT Services
- Critical Load path
- Derrick Inspections
- Drilling and Hoisting Equipment Inspection
- Dropped Objects Survey
- Electrical Inspection and Testing
- Hull Inspection and Class Surveys
- Lifting Gear Inspection
- Offshore Crane Inspection
- Pipework and Pressure Vessel Inspection
- Preservation
- Rig Inspection (Rig Audit)
- VAIL-Plant Risk Based Inspection (RBI)
- Wire Rope Inspection

Repair and Upgrade

- Cold/warm Stack Services.
- Derrick and Mast Repair.
- General Upgrade Services.
- General Maintenance Services.
- Heat shielding.
- Hull and Tank Repairs.
- Offshore Crane Repairs.
- Platform Repairs.
- Windwall Cladding/Weatherproofing Repairs.

Engineering

- 3D Laser Scanning/Modelling
- Engineering Design
- Equipment Integration and Interfaces
- Structural Analysis
- Turnkey Solutions

Construction

- Commissioning
- Derrick Assembly-Structure
- Electrical Installation
- Mechanical and Equipment Installation
- Piping Installation
- Shipyard Services

Electrical

- Electrical Audit
- Electrical Construction Supervision
- Electrical Installation, Commissioning, Repair and Maintenance
- Hazardous Area Equipment Register (HAER)
- Motor Inspection and Testing
- Primary and Secondary Injection Testing
- Thermography & Partial Discharging Testing

Fire & Gas

- Control and Instrumentation
- Fire & Gas Testing
- Fixed Fire & Gas Suppression System
- Fixed/Portable Firefighting systems

Training

- CompEx / IECEx (CoPC)
- Confined Space Training
- Drilling Industry Training Courses
- DROPS Training
- IOSH Safety Training
- MEDIC First Aid Training
- Rigging and Lifting
- Work At Height and IRATA Training
- Wire Rope Inspection Training

Singapore

+65 6545 7646

k2singapore@applusk2.com

Korea

+82 55 686 1974

k2korea@applusk2.com

Brazil

+55 22 2764 8034

k2brasil@applusk2.com

USA

+1 281 617 4020

k2usa@applusk2.com

Abu Dhabi

+971 2 550 2600

k2me@applusk2.com