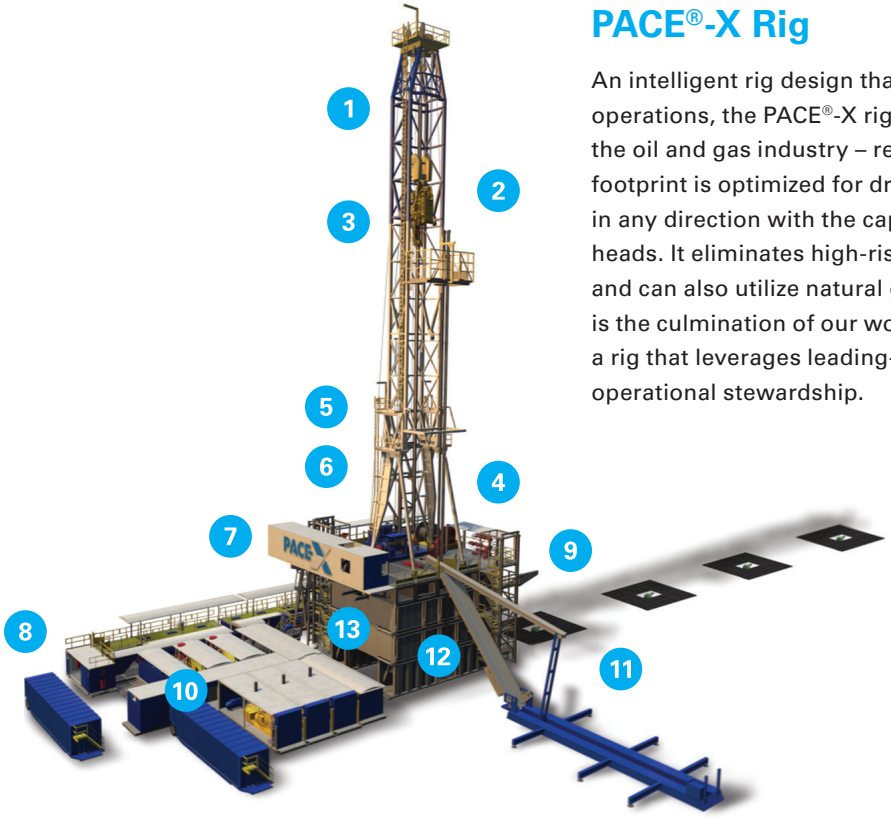

PACE®-X Rig

An intelligent rig design that advocates sustainable and responsible operations, the PACE®-X rig addresses a major challenge faced by the oil and gas industry – responsible energy production. Its reduced footprint is optimized for drilling on a pad and can efficiently move in any direction with the capability of stepping over existing well-heads. It eliminates high-risk activity during walking operations and can also utilize natural gas fuel. Conceptually, the PACE®-X rig is the culmination of our worldwide drilling expertise translated into a rig that leverages leading-edge technology while championing operational stewardship.

Responsible Design Benefits

- "Side-saddle" substructure features a 16 ft wide by 26 ft clearance which optimizes batch drilling while allowing the rig to easily walk over existing wellheads
- One-fifth the permit load of a traditional rig allows rig equipment movement at night and on weekends and holidays
- Closed-loop compatible mud system so cuttings can be hauled in environmentally sensitive areas
- Festoon electrical umbilical system allows walking up to 100 ft on both X and Y axis

1	Bootstrap mast rigs up vertically with a hookload of 600, 800 or 1,000 kip
2	500-ton Canrig AC top drive with 42,100 ft-lb of continuous torque
3	Split crown block enables wireline to be run through the drill string
4	Canrig AC Commander™ Drawworks driven by two 1,150 hp motors
5	Driller's cabin and console with latest monitoring and control system
6	RIGWATCH® 9 Instrumentation provides access to Canrig's ROCKIT® and REVIT™ systems
7	Three Derrick HyperPool™ shakers ride on the substructure when walking, eliminating the time and risk of flowline handling
8	Two HH 1,600 mud pumps with option for 7,500 psi mud system and up to three 2,200 hp mud pumps
9	Choke manifold mounted on the rig floor rides with the rig when walking
10	Three Caterpillar 3512C engines come standard with bi-fuel conversion and option available for up to four Caterpillar 3516 natural gas engines
11	Omni-directional walking system allows the rig to walk on both the X and Y axis and is integrated into the substructure, eliminating any rig-up and rig-down of the system
12	Accumulator is embedded in substructure behind blast-proof walls, doing away with the need to run hoses across the ground
13	BOP trolley enables batch drilling and reduces flat time when walking