Land Drilling Control Room

Compact cabins able to house several operators and essential drilling control and monitoring equipment

APPLICATIONS
- Land drilling operations

ADVANTAGES
- Self-supporting carbon steel unit (optional stainless steel)
- Integrated X-COM* operator chair(s)
- High-level noise and vibration dampening
- Line of sight investigated and confirmed via a clash and layout analysis using the project documentation
- Large windows with fully-automatic window-cleaning system programmed for different weather conditions
- Patent-pending electrochromatic window tinting that can reduce HVAC size
- Removable, easy-to-clean, non-slip floor tiles
- Recessed ceiling with noise dampening
- Two safety emergency exits
- Sun-filtered safety windows with protection bars and grids to protect the top windows from falling objects and the front windows and DCR from moving objects
- Control of lights, wipers, temperature, and window tinting integrated to X-COM chair

Cameron provides a range of drilling control rooms (DCRs) to the drilling industry. Each DCR is custom-designed to meet the specified drillfloor layout and requirements. Cameron delivers control rooms for installation in any position that provides good overview and proximity to the drilling equipment.

The Cameron land DCR may be designed with one or two X-COM operator chairs. The DCR is ergonomically designed to high standards with integrated controls, large windows, excellent views, a purpose-designed wiper system, and full insulation against noise and vibration.

Land DCR with various safety features.

Technical Specifications

Construction	Self-supporting, welded steel construction (stainless steel as option)
Exterior	Painted carbon steel
Lifting type	Approved pad eyes
Window type	Sun-filtered safety glass (electrochromatic glass as option)
Window protection	Top and front windows equipped with protection grid
Window cleaning	Wipers and washers mounted on top and front windows; control integrated in X-COM chair
Internal walls	Wall plates covering high-density insulation
Ceiling	Ceiling modules covering high-density insulation
Floor	Elevated antislip, mud-resistant floor tiles
Mounting	Mounting studs welded to structure
Internal noise level, dB	>65 at 85 outside
Internal lighting	Recessed light fixtures and adjustable LED downlights; dimming control integrated in X-COM chair
Forced ventilation design	Minimum 6 air changes per hour
Temperature control, degF [degC]	66.2 to 78.8 [19 to 26] at ambient range of –4 to 104 [–20 to 40]; temperature control integrated in X-COM chair
Hazardous area classification	Safe by ventilation
Temperature, degF [degC]	66.2 to 78.8 [19 to 26] inside at ambient operating range of –4 to 104 [–20 to 40]; 32 to 104 [0 to 40] transport and storage (other temperature ratings available as option)
Humidity, %	5–85
Dimensions and weight	Dependent on layout

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Scope of Supply	Options
Self-supporting, skid-mounted cabin (painted carbon steel) with vibration dampeners, and noise and thermal insulation	Cable ladder (DCR to roof)
Mounting frame placed on Sylomer® M25 (vibration-dampening material)	Ceiling-mounted LCD display unit (overhead console)
Raised floor with nonslip tiles (23.6 in × 23.6 in [600 mm × 600 mm])	Center desk behind the X-COM operator chair with space for free-issue equipment
Laminated sun-filtered windows fitted with protective bars and grids	One or two side screens for video graphics array (VGA) interface to closed-circuit TV (CCTV) system, mud logger, directional driller, etc.
Preparation for mounting of X-COM operator chair	Work desk with one chair
One Ex-type LED light fixture with battery backup integrated in the recessed ceiling of the DCR	Installation of customer-supplied auxiliary equipment, including fire and gas repeat panel, BOP or diverter panel, telephone, driller's intercom, public address (PA) speakers, ESD, flashlight, fire extinguisher, first-aid kit, and oxygen breather kit
Utility pole for telephone, talkback system, ultrahigh-frequency radio, lights, and window washer system controls	Radio and CD player
Interface panel for X-COM chair control equipment: auxiliary DCR control (internal power distribution and light control); auxiliary electrical and data interfaces (network equipment)	Electrical sun blinds
Wipe and wash system installed, including piping, washer tank, nozzles, and control equipment	Stainless steel exterior
Main door with automatic return, integral window, stainless steel lock, and gas-tight seals	Temperature ratings greater than 104 degF [40 degC]
One emergency exit hatch	Explosion-proof rating
Preparation for emergency stop button installation	Patent-pending electrochromic windows that reduce solar heating inside the DCR
White board, integrated shelving section, and coat and hat rack	Alternative seating arrangements for multiple X-COM chairs
Prepared for connection to air-forced ventilation system	Telephone system

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