

# DrillSIM 5000

The largest of our conventional drilling and well control simulators, the **DrillSIM-5000 Classic** is based on a conventional rig floor with no automation (i.e. manual tongs etc), using a traditional drilling controls panel with analogue gauges and a manual brake.

The **DrillSIM-5000** is the perfect tool for teaching new recruits an understanding of the fundamentals around the drilling process or validating the competency of experienced operators meeting the criteria specified by IWCF and IADC for industry accreditation.

Drill-well-on-sim (DWOS) expands your value from the simulator further by allowing operations to be simulated in a safe but dynamic and realistic environment before carrying out work in the field, saving time and providing an ultimately much more efficient and safe final result.

By linking the simulated "rig equipment" to highly realistic 3D graphics for both topside operations and what is happening 5000 feet down a deviated well, students very quickly become engaged and understand the consequences of their actions or equally their in-actions, on the various different drilling operations recreating both simple or highly complex tasks or scenarios.



## Features

- Highly realistic and immersive simulation environment
- Integration of human factors and non-technical skills
- Validation of assumed skills
- Improved safety
- Improved efficiency
- Improved operational performance
- Full and accurate rig-floor drilling and well control simulator.
- Full selection of rig types for drilling and workover – land, jack up, semi-sub, deep water
- Generic or fully bespoke in-simulator rig modelling
- Classic or cyber-based control systems
- 3D Graphics hardware package
- Unlimited exercises (snapshots)
- Individual or full drill crew exercises
- Units can be connected providing a sophisticated multi-station training environment





## Operating Interface

- Drilling controls console
  - Drilling gauges console
  - Remote choke console (Swaco / Cameron) - full sized or touchscreen HMI (Human Management Interface)
  - Standpipe manifold - full sized or touchscreen HMI
  - Choke manifold - full sized or touchscreen HMI
  - BOP consoles – Surface / Subsea / Deep - water / Well Servicing - full-sized or HMI
  - Surface and Subsea diverters - full sized or touchscreen HMI \*
  - Top drive operations - console or touchscreen HMI \*
  - Motion compensator - console or touchscreen HMI \*
  - Cementing operations - Full size cementing head and pumping console or touchscreen HMI \*
  - Workover operations - Full sized well head and manifold options or touchscreen HMI \*
  - Instructor station
  - Student control stations
  - Graphic station representing downhole model
  - Quad screen display
  - On-screen display of rig floor equipment activity
- \* Package options

## Software

- DrillsIM drilling and well control software model.
  - DrillsIM student licence
  - DrillsIM Instructor licence
  - DrillsIM software 3D graphics
  - BOP surface and subsea operations module \*
  - Cement operations module \*
  - Workover operations module \*
  - Top drive operations module \*
  - Managed pressure drilling module \*
  - Enhanced chart recorder \*
- \* optional package items



For more information visit  
[www.drillingsystems.com](http://www.drillingsystems.com)

contact us at [info@drillingsystems.com](mailto:info@drillingsystems.com)

Drilling Systems (UK) Ltd  
 Hurn View House,  
 5 Aviation Park West,  
 Bournemouth International Airport,  
 Dorset, BH23 6EW,  
 United Kingdom  
 +44 (0) 1202 582255

Drilling Systems (USA) Inc  
 1427 Vander Wilt Lane,  
 Katy,  
 Houston,  
 Texas 77449,  
 United States  
 +1 281 646 8126

Drilling Systems (Middle East) FZ  
 FO5, Block 3,  
 Knowledge Village,  
 PO Box 53560,  
 Dubai,  
 United Arab Emirates  
 +971 4 438 0242

