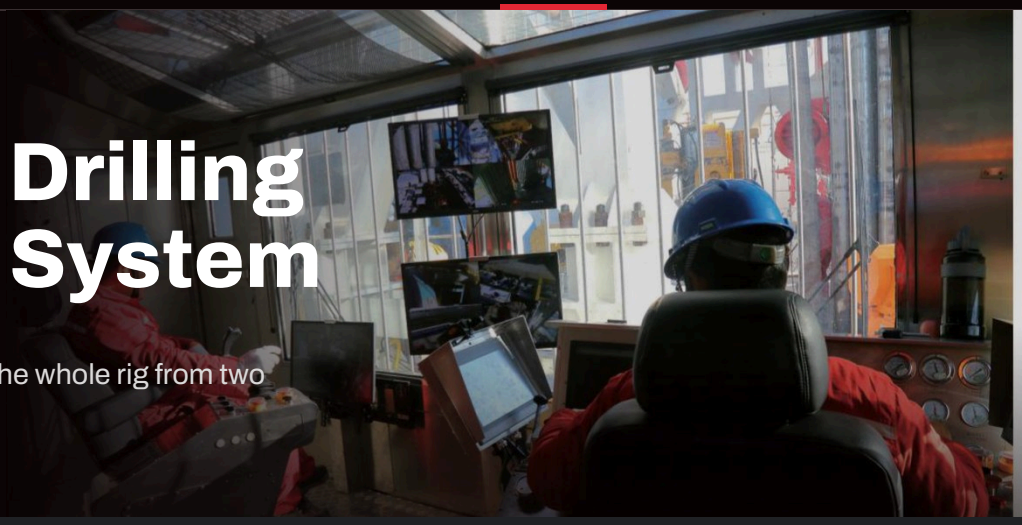
06-01 · AUTOMATED DRILLING

Automated Drilling Rig Control System

Joystick and touchscreen control of the whole rig from two integrated seats.



2	Ex-p	6	2
INTEGRATED SEATS	POSITIVE-PRESSURE CABIN	AUTOMATED TOOLS	REDUNDANT COMMS SYSTEMS

A positive-pressure explosion-proof cabin, 2 sets of integrated seats, a PLC cabinet, a positive-pressure explosion-proof system, explosion-proof air conditioning, CCTV, etc.

SYSTEM FEATURES

01 Electronic controls
Hydraulic and pneumatic controls replaced: joystick for the winch, touchscreen for rotary table, mud pump and more.

02 Graphical operation
Graphical interface and process-oriented operations.

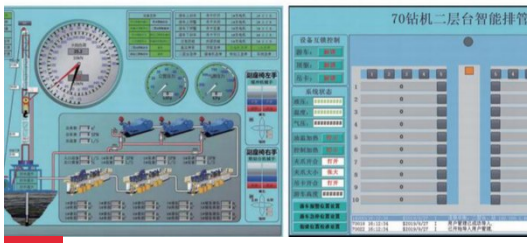
03 Integrated protection
Electrical and drilling parameters, travelling block anti-collision, interlocks and speed control, derrick lifting, tension warning, top drive anti-collision.

04 Automated tools
Power catwalk, drill floor manipulator, power slips, iron roughneck, hydraulic cathead, second-floor manipulator.

05 Integrated CCTV

06 Redundant communication
Two independent, interchangeable communication systems that back each other up.

EXPLOSION-PROOF CONTROL ROOM



DRILLER'S HMI

Tell us the rig.

Service across China's major oil fields and 30+ countries.

sales@han-de.com

www.han-de.com