



SapuraKencana  
P E T R O L E U M

Well Services



# Subsea Intervention Device (SID)

Specialist device for riserless intervention into subsea wells

The key to our subsea riserless light well intervention (RLWI) services is the Subsea Intervention Device (SID). It is a self-contained modular subsea lubricator package, complete with electro-hydraulic control system. It can operate on both horizontal and vertical trees, with the ability to control the tree, if required.

The SID allows slick line or electric line tools to be run into live wells to carry out a number of operations throughout its life cycle, including:

- ▶ Plug installation and removal
- ▶ Stroking/cycling mechanical valves

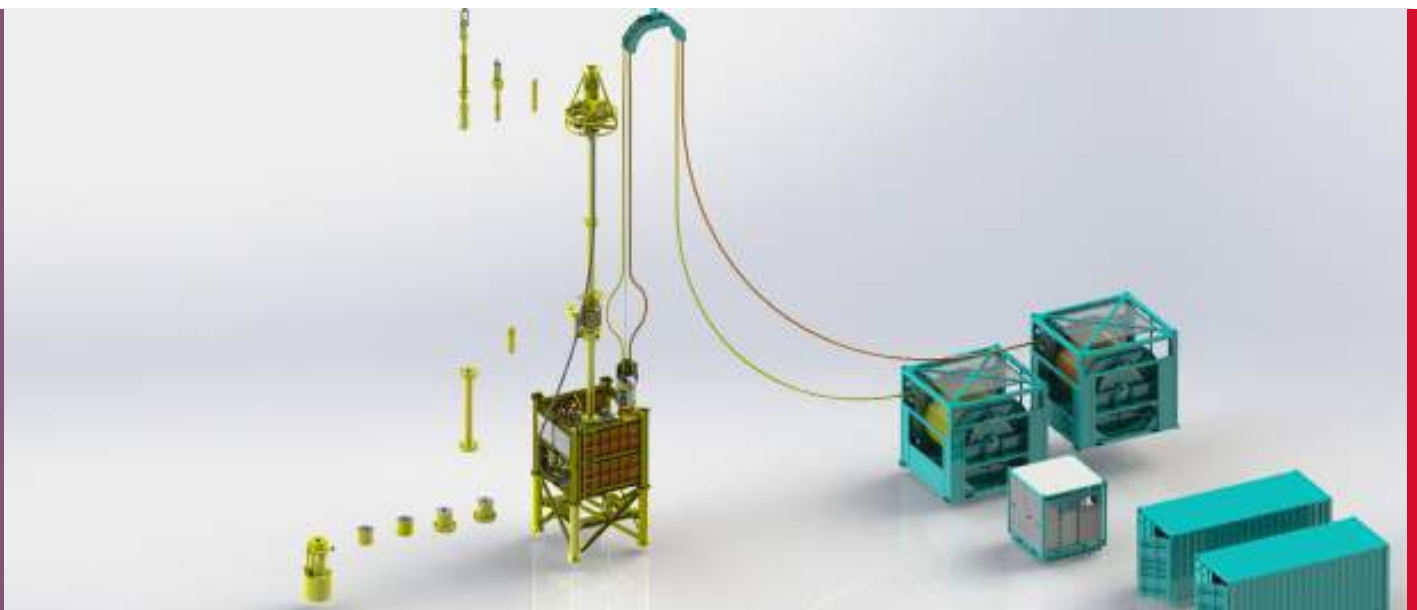
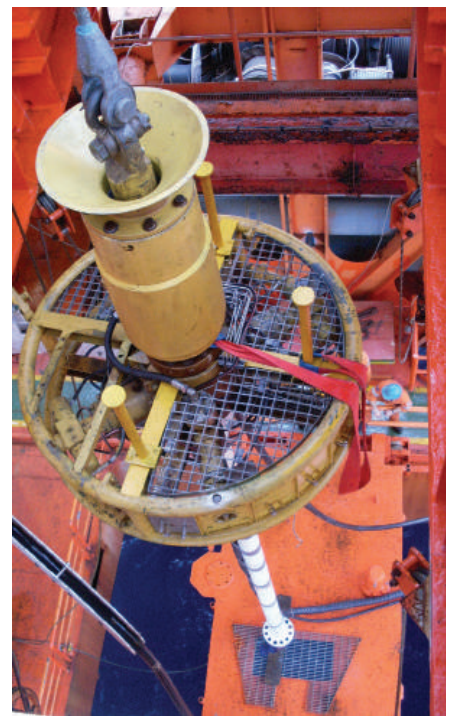
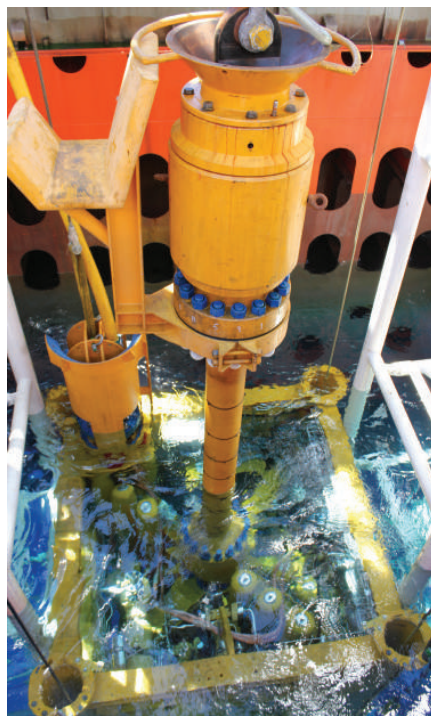
- ▶ PLT/MPLT logging
- ▶ Perforating, punching and cutting
- ▶ Milling out obstructions and debris removal
- ▶ Changing out down-hole gauges and valves

The SID enables faster, more convenient access to the well bore for easy data acquisition, safety valve remedial work, well intervention, maintenance and repair; making scheduled and emergency subsea well intervention immediately practical and cost effective.



Together with SKWS' proprietary Vessel Deployment System (VDS) or Intervention Compensation System (ICS), SID can be deployed from any suitable vessel of opportunity. This reduces the dependency on specialist rigs or vessels, allowing the system to be in the field quicker at a reduced cost.

Utilising the SID system can significantly reduce the risk of production deferment and improve reserves recovery through planned data acquisition or emergency well maintenance.



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## CERTIFICATION

Pressure Containing : API 6A and API 17D (DNV and BV verified)  
Lifting : DNV 2.7-1

## FEATURES

7<sup>3</sup>/<sub>8</sub> inch clear bore, 5<sup>5</sup>/<sub>16</sub> inch upper latch

Water depth : 800 m  
Maximum working pressure : 5,000 psi (upgradable)  
Maximum wire diameter : 3.175 mm (1/8") slick line  
: 7.938 mm (5/16") electric line

H<sub>2</sub>S service

Accommodates 39' tool strings (upgradable)

Full subsea well control capability

Safety Pressure Lock : Engages at 150 psi internal pressure

Transport Weight (approx.) : 35 Te

## BENEFITS

Significantly lower costs

Deployable from a vessel of opportunity

No hydrocarbons brought back to the vessel

Faster task completion with less downtime

Rapid mobilisation and deployment using a vessel of opportunity

Diverless operation

Bore selector provides quick access to annulus and production bore

## SID COMPONENTS

Stuffing box assembly

Upper single BOP

Upper lubricator

Mid connector

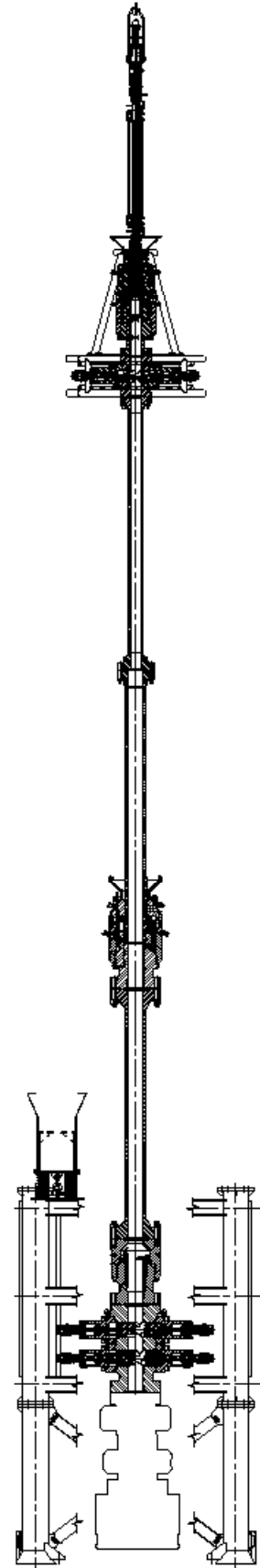
Lower lubricator

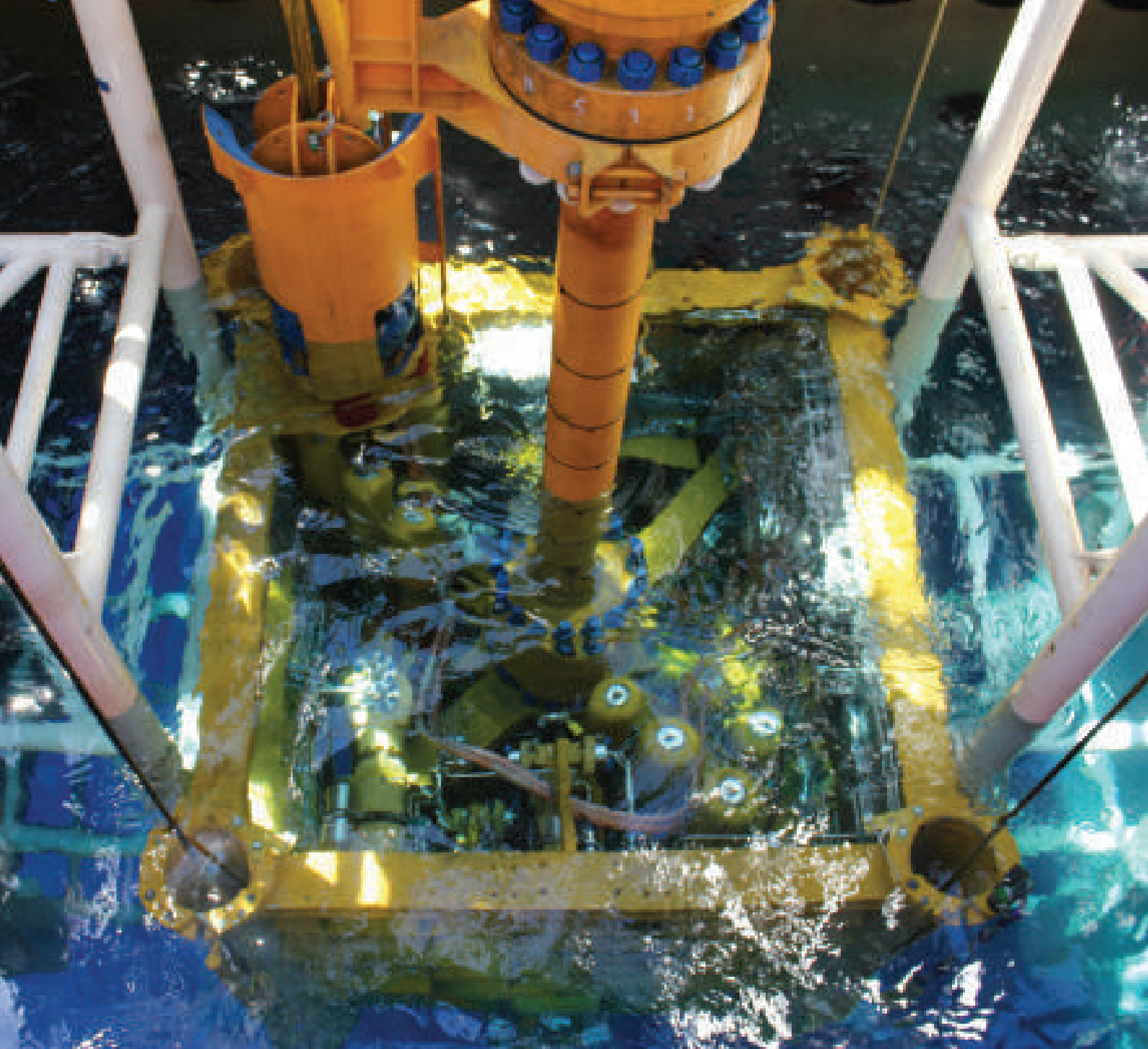
Tool trap

Lower BOP

Bore selector

Connector (client specific)





SapuraKencana Well Services  
is operated by subsidiaries of SapuraKencana Petroleum



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