WELLVENE

ENGINEERED WELL SOLUTIONS

PRODUCT OVERVIEW

WellHOP™

SHALLOW APPLICATION
SLICKLINE SYSTEM

PATENT PENDING

THE CHALLENGE

Operating companies have an HSE obligation to carry out annual wellhead maintenance on all xmas tree valves, wellhead valves and DHSVs. With a significant number of tests on any given platform, failure of numerous valves may occur, resulting in the requirement for wireline to be mobilised to plug the well for surface valve repairs or to complete remedial work on the DHSV. Securing space on any platform schedule post maintenance campaign can prove challenging and when a slot does become available, there is then further justification required as value adding well work is always a strong contender for these available slots.

Recognising the need for a more efficient solution to address shallow plug installation for xmas tree / wellhead repairs and DHSV remedial work, Wellvene have developed the WellHOP™.

THE CURRENT INDUSTRY OPTION
(SLICKLINE PACKAGE)

The current option for the installation of shallow plugs and DHSV remedial work is to mobilise a slickline package which includes a significant amount of equipment and personnel to prepare, mobilise and operate.

The disadvantage of this option.....

- Significant volume of equipment including mast and wireline unit
- Increased space required on supply vessel and platform working area
- Approximately 3 days to prepare, spot and rig up on first well
- 12-24 hrs to move equipment between wells (full rig down, re-spot and rig up)
- 3 slickline crew per shift plus bridge plug and xmas tree / wellhead specialists
- Platform schedule, access and POB challenges

This is not operationally efficient and limits work completed within a planned maintenance campaign whilst significantly increasing risk, time, cost and POB.

THE WELLVENE OPTION - WELLHOP™
(SHALLOW APPLICATION SLICKLINE SYSTEM)

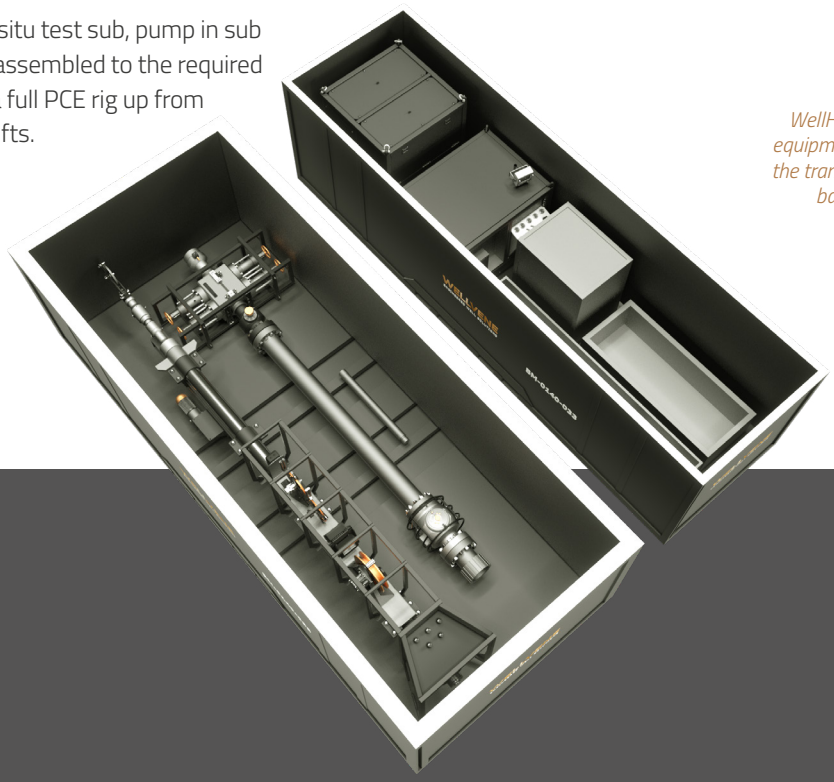
With a wire drum c/w 3,000ft of 0.125" slickline, measuring head and toolstring winch installed directly onto a frame around the lubricator, the WellHOP™ challenges the traditional slickline rig up and operating methods by eliminating the need for a mast and separate wireline winch whilst also simplifying PCE rig up without compromising well control requirements.

The complete WellHOP™ package can be transported to location in 2 transport baskets for reduced lifts from vessel to platform, ensuring a smaller footprint on deck is required.

THE COMPLETE WELLHOP™ PACKAGE CAN BE TRANSPORTED TO LOCATION IN 2 TRANSPORT BASKETS FOR REDUCED LIFTS FROM VESSEL TO PLATFORM, ENSURING A SMALLER FOOTPRINT ON DECK IS REQUIRED.

With the specialised BOP's consisting of built in insitu test sub, pump in sub and flanged lower connection, the BOP's are pre-assembled to the required riser length and shear valve onshore to allow for a full PCE rig up from basket directly onto well that consists of only 2 lifts.

Purposely designed to make the system more efficient for shallow depth slickline operations, the WellHOP™ ensures a reduction in operational risk, time, cost and POB whilst improving overall operational efficiency by achieving more repairs in a single campaign.



WellHOP™ equipment in the transport baskets

BENEFITS OF THE WELLHOP™

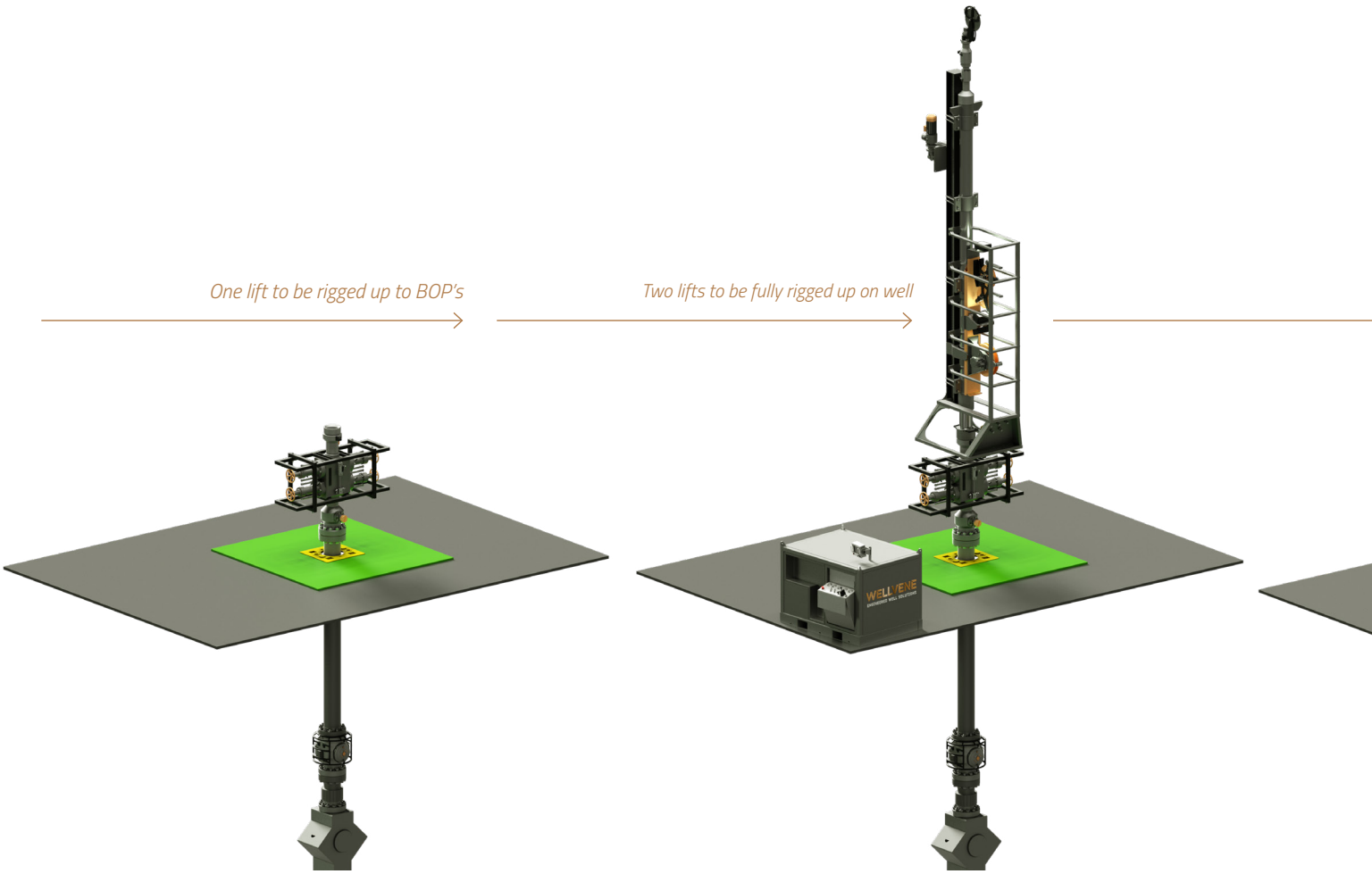
- Purposely designed to set shallow plugs for xmas tree and wellhead repairs or emergent plugging operations
- Purposely designed for DHSV remedial work
- Achieve more xmas tree and DHSV repairs within a single campaign compared with conventional slickline
- Free up platform schedule for value adding well work
- Smaller footprint compared with conventional rig up's
- Option for simops. Deck space can accommodate 2 systems if required
- No mast or wireline unit required
- No slickline wire across open deck area
- Significantly reduced rig up time. 2 lifts from basket to fully rigged up on well
- Move from one well directly onto the next well in a single lift. Eliminating rig down and re-position of conventional equipment such as masts, wireline units etc
- Reduced operational risk, time, cost and POB to operate the system
- Increased operational efficiency
- Reduced connections for reduced leak paths
- No compromise to well control requirements
- Side mounted winch system that offers the same line speed, overpull and jarring capability seen with conventional wireline units

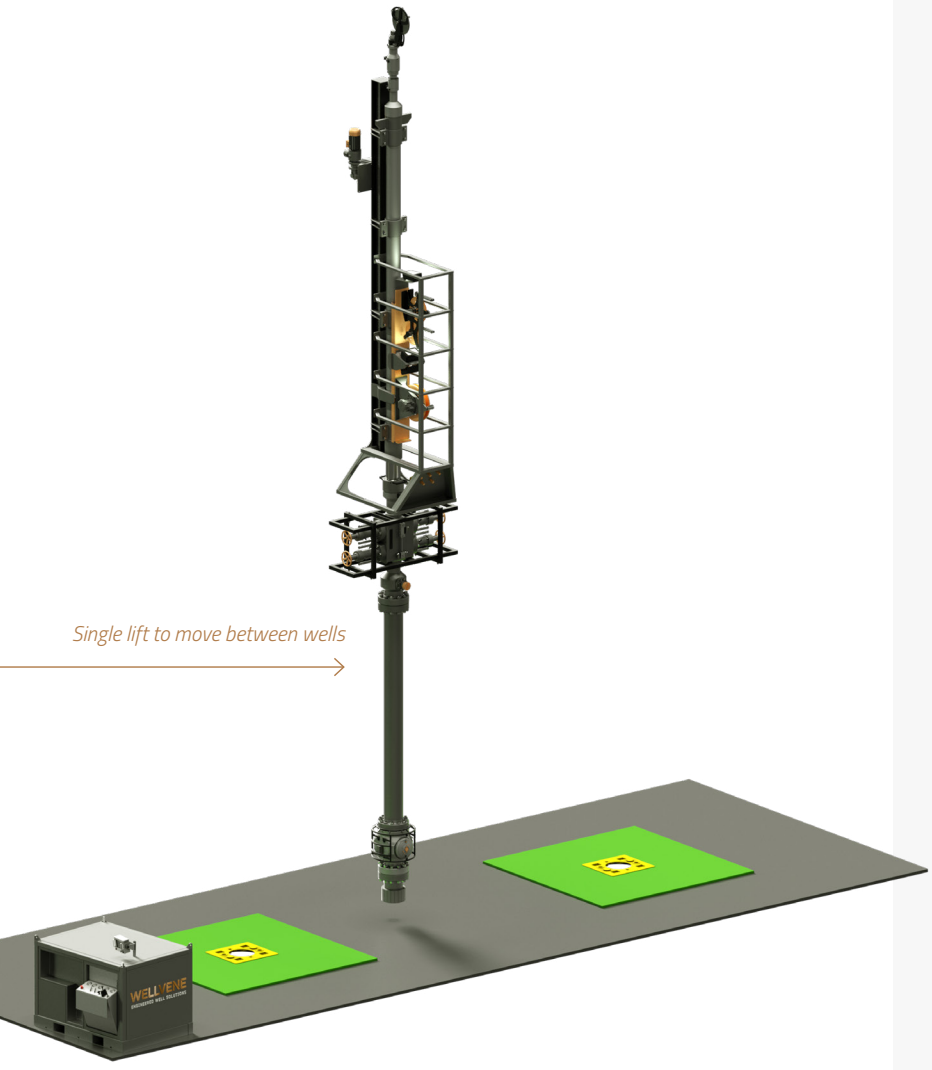
THE COMPLETE PLUGGING AND DHSV PACKAGE

Wellvene specialise in the design, manufacture and supply of flow control nipple plugs, DHSV remedial tooling and P&A tool packages which shall allow us to offer our clients a single source solution to meet their operational and well integrity requirements.

In addition to this, we pride ourselves on collaborating with other industry leading intervention companies to ensure we consistently offer effective and efficient solutions to align with our One Package, One Campaign, One Result philosophy.

One lift to be rigged up to BOP's → *Two lifts to be fully rigged up on well* →





Single lift to move between wells

SPECIFICATIONS

- All PCE 10k rated
- Combined Ezi load stuffing box & tool catcher
- Dual hydraulic Ezi close BOP
- In-situ type connections (above BOP)
- Custom made well control panel c/w remote ESD
- Flanged riser connections (metal to metal seals)
- Ezi-Shear Seal (slimline ball type shear valve)
- Zone 1/ATEX, direct drive hydraulic winch
- Custom made DNV/Zone 2/ATEX power pack
- Digital tension and depth readout system with independent back-up system
- Benchmark's field proven Hammerhead measuring head system
- Built in gas detectors with high level alarm triggered shut down system
- 3000ft of GD31MO 0.125" slickline installed
- Built in Red Rooster 500kg electric zone 1/ATEX toolstring winch
- 2.80" Compact toolstring
- Ability to disconnect from platform crane without need to lay down winch/lubricator
- Incorporated lifting ram to allow operator to break/stab on lubricator connection

WE PRIDE OURSELVES ON COLLABORATING WITH OTHER INDUSTRY LEADING INTERVENTION COMPANIES TO ENSURE WE CONSISTENTLY OFFER EFFECTIVE AND EFFICIENT SOLUTIONS

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