



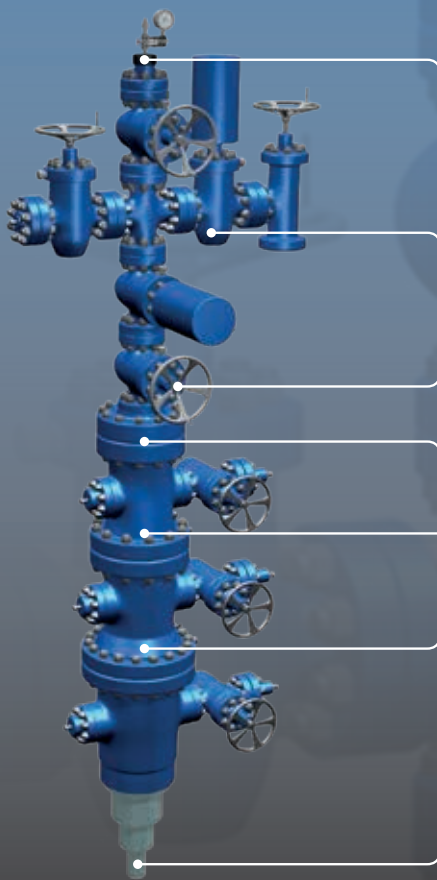
Kinetics Controls
& Innovation Ltd

MADE IN SCOTLAND



EST. 2002

FULLY ENGINEERED LEAK SEALING SOLUTIONS FOR THE GLOBAL OIL & GAS SECTOR



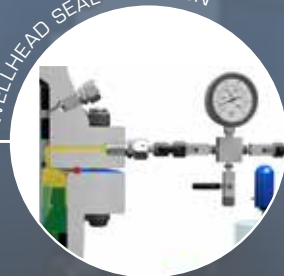
GATE VALVE ISOLATION



ANTI-CORROSION



WELLHEAD SEAL ISOLATION



PACKER & CASING SHOE ISOLATION



RIGLESS WELL INTEGRITY & INTERVENTION ISOLATIONS



kciltd.co.uk

KCI IS A GLOBAL PROVIDER OF BESPOKE ENGINEERED LEAK SEALING SOLUTIONS FOR MATURE OR AGEING OIL & GAS FACILITIES.

| Wellheads

| Valves

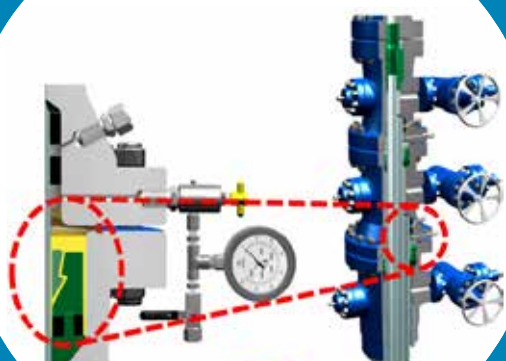
| Downhole

| Onshore

| Offshore

| Subsea

Wellhead Seal Isolation



Mac-Seal & MS-Sealant

Wellhead & Tubing Seal Isolation

Gate Valve Isolation



Mac-Pac

Valve Isolation Supporting Through Tubing Intervention

Annulus Management



Packer at
50° angle with
IBS-SB deployed
above

IBS-SB

Packer Isolation & Annulus Gas Migration Issues

Anti-Corrosion



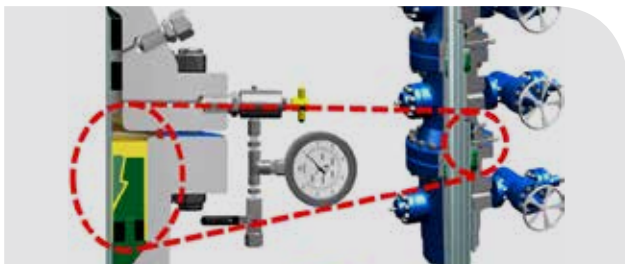
MHS-Protect

Prevent Corrosion on Metal Surfaces

The Innovation in KCI's business comes from employing its Engineering expertise to support complex problems which may be difficult to resolve with conventional methods or technologies.

KCI products & services are recognised as examples of best practice for engineered leak sealing solutions for the worldwide oil, gas, process & renewable sectors, securing the company's strong reputation & integrity values.

KCI provide fully engineered products & services which increase safety, reduce costs, minimise downtime & maintain or increase production across surface, subsea, downhole, topside, pipeline, refinery, process plant & many other applications.

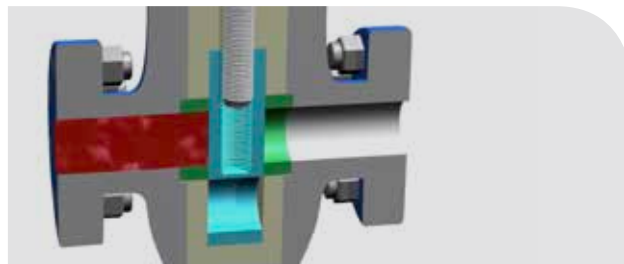


Wellhead Seal Isolation

Two part, time activated, various viscosity sealant which self-energises under differential pressure. Bridges large gaps & holes in seal structures unlike pressure activated sealants which require small gaps & high pressures to activate.

Rigless Isolations successfully deployed worldwide reinstating barriers to maintain safe & effective production.

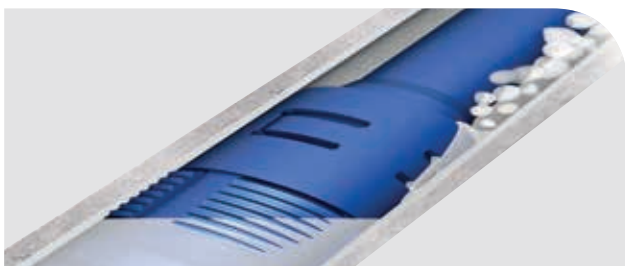
- Protect Environmental Gasket between Wellhead Spools
- Isolate Lockdown Screw Packing
- Safeguard Failed Injection Fittings
- Reinstate Void Casing Slab Seals & Pack-Off's



Gate Valve Isolation

Deployed as a high viscous fluid, very effective alternative to plastic packing & ideal for re-energising damaged "P" seals.

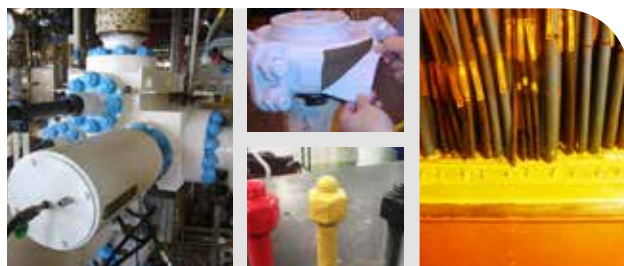
- Provides a Repeatable Isolation for Failed Gate Valves & Valve Stem Packing Leaks
- Remains in the Valve Cavity Much Longer than Standard Grease
- Provides Protection Against Well Debris & Corrosive Fluids
- Operational Temperature of -50° to +250°C
- Displace & Replace Existing Valve Grease Providing a Superior High Temperature Lubricant
- No Issues with Future Valve Operating Torque, Production Flow, Wireline or Coiled Tubing Activity



Packer & Casing Shoe Isolation

Designed & formulated to provide isolations within annuli preventing gas migration. IBS-SB can be weighted to sink through existing heavy fluids. Small volumes required, no squeezing or bull heading required. Ideal for:

- Production Packer Element Damage
- Damaged Cement Shoe
- Micro Annuli or Porosity issues
- Simple & Effective
- Very High Success Rate



Anti-Corrosion

- Designed & Formulated to be Applied Directly on to Most Surface Areas
- Very Little Preparation Required for Corrosion Protection
- Cost Effective to Apply
- Reduces Downtime Costs when Removing Nuts & Bolts

MHS-Protect extends the life of the asset. It is easy to apply & remove across various applications.

Insert to UV. Power wash to clean before & after application with **K Cleanse 100** recommended.

- For trouble free access to studs & nuts
 - Flows around cables to seal
 - Easily removed for inspection or maintenance
-



Subsea Deployment Skids

DNV Certified Subsea Deployment Skids & Umbilical Hose Reel.

Easy to fill and reload for a Fast Turnaround.

Each Deployment Skid has 8 x 5 Litre Deployment Tools giving a 40 Litre output capacity.

3000psi Output Pressure.

Suitable for Deploying Tree Valve Grease or KCI's Isolation and Sealant Products in Subsea Applications.

- The Skids are compact and easy to handle to limit vessel deck space.
- The Deployment Tools are simple to use with Diver friendly control panels.
- Designed for Subsea Valve and Pipeline isolations.



BESPOKE SEALANT
MANUFACTURER

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