Challenge us to Resolve Leak or Corrosion Anomalies
Engineered Isolation Solutions with Vision
Energise Seals by Fluid Dynamics
Comply with Well Integrity Best Practice
Regain Well Isolation Boundaries Quickly & Efficiently
Resolve Sustained Annulus Pressure Variances
Stop Packer Leaks with our Downhole Sealant Technology
Low Cost Rigless Operations with 24/7 Customer Support of Worldwide Aging Assets
Hand Portable Equipment with Small Footprint & Minimal Personnel
Reduce Costs on Greenfield & Brownfield Applications Offshore, Onshore & Subsea
Address Unique Well Challenges with our Premium Service
Extend the Life of your Assets & Reduce Future Maintenance Costs
KCI is a Global Provider of Bespoke Engineered Leak Sealing Solutions for Mature Oil & Gas Facilities.

Wellhead & Process Plant
- Wellhead Isolations
- Process Plant Pigging & Firing Products

Subsea
- Downhole Annulus Isolations
- Control Line Isolations & Plugging
- Subsea Annulars & Diverter Systems

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 provides products and services to ensure the integrity of its customers’ facilities by providing bespoke leak sealing solutions.

The KCI range of products and services includes the following:

- Mac-Seal & MS-Sealant
  - Isolation of Wellhead Weight Set & Morehead Casing
  - Provides rapid and reliable isolation of a variety of sectors, securing the company’s strong reputation & integrity values.
  - KCI products & services are recognised as examples of best practice for the industry.

- IBS (Isolation Barrier System)
  - Provides multi-phase, multi-volume leak isolation
  - Two part, time-activated, various viscosity sealant which self-energises under pressure.
  - Provides protection against high temperatures & pressures in high temperature environments
  - No issues with future valve opening

- Mac-Pac
  - Isolates Gates Valve & Wellhead Pack-Offs
  - Designed & formulated to provide isolations within annuli preventing gas migrations during Abandonments & Decommissioning
  - Simple & Effective increase in well integrity

- MHS-Protect
  - Designed & formulated for localised treatment in small pipelines & tubing running through areas where high temperatures must be maintained or isolated for maintenance work
  - Self-energising in order to apply protection for high temperatures

- MHS-Protect (Isolation Barrier System)
  - Pipeline Cleaning & Decontamination
  - Prevents corrosion & reduces emission

- K Cleanse 100
  - A Safe & Cost Effective cleaning system
  - Designed & Formulated to be applied directly on to a Fluid & Flushed Out
  - Return or high volume gels incorporating a high degree of pipeline engineering

- K MGel 101
  - Reduced Downtime costs when removing packing elements
  - Suitable for 2” to 36” Pipelines
  - Very little preparation required for corrosion or tubing

- K Cleanse 100
  - Cleaner is designed to be injected into tubing or crosslinked in place
  - Slow setting gel with a guaranteed isolation for up to 28 days
  - Ideal for small volumes or crosslinked applications

- MHS-Protect
  - Designed & formulated for application on-site to ensure the integrity of its customers’ facilities by providing bespoke leak sealing solutions.

- K MGel 101
  - Reduces Downtime Costs when Removing Packing Elements
  - Suitable for 2” to 36” Pipelines

- ISB 101
  - A Safe & Effective Flushing & Decontamination System
  - Suitable for 2” to 36” Pipelines
  - Very Little Preparation Required for Corrosion or Tubing

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KCI is a global provider of bespoke engineered leak sealing solutions for mature & aging oil & gas facilities.

- **Wellheads**
- **Process Plant**
- **Downhole**
- **Onshore**
- **Subsea**

**Onshore Engineering Oil & Gas Facilities.**

**Sealing Solutions for Mature**

**Bespoke Engineered Leaks**

**KCI**

is a global provider of

- **Wellhead & Tubing Seal Isolation**
- **Wellhead Seal**
- **Mac-Pac**
- **Gate Valve Isolation**
- **IBS-SB & IBS-SX (KES)**
- **Temperature Lubricant**
- **Micro Annuli or Porosity issues**
- **Production Packer Element Damage**
- **No Issues with Future Valve Displacement & Replace Existing Valve**
- **Provides Protection Against Water & Corrosive Fluids**
- **Remains in the Valve Cavity Much Longer than Standard Grease**
- **Temperature of -50° to +250°C**
- **Fills Ball Valve Cavity**
- **Effective Alternative to Freezing Applications**
- **MHS-Protect**
- **Reduces Downtime Costs when Removing Valves & Mandrel Casing Hangers**
- **Cost Effective**
- **Reduces Design Time & Costs, Minimise Downtime & Maintain or Increase Production**
- **Easy to Apply & Remove across Various Applications**
- **Designed & Formulated to be Applied Directly on Face Areas**
- **Designed for Degreasing & the Isolation of Wellhead Weight Set & Mitchell Casing Hangers**
- **Gate Valve Isolation**
- **Ball Valve Isolation**
- **Closed Ball Valve Filled With IBS-TG**
- **IBS-SB (Isolation Barrier System) - Anomalities, Decontamination & Packer Leaks**
- **MHS-Protect**
- **IBS-TG Compound**
- **IBS-TG Pig Former**
- **Tapered Pig Former & Valve Isolations & Pipeline Pigging**

**Anti-Corrosion Products**

- **MHS-Protect**
- **MBS-Protect**
- **MHP-Protec-GO1**

**Ball Valve Isolations & Pipeline Pigging**

**IBS (Isolation Barrier System)**

The IBS range of products has been created & formulated to meet UK certification & is now available with a new environmentally friendly alternative.

- **Available in 2” to 56” Diameters**
- **Preformed as Solid or Broken Bar for Field & Refinery Installations**
- **IBS Breaker in 377 Water & has a port of 377**

**Before After**

- **Mac-Seal & MS-Sealant**
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| Wellheads | Process Plant | Downhole | Onshore | Offshore | Subsea |

**Valve Isolation**
- Supporting Through Tubing Intervention
- Before After
- Mac-Pac Gate Valve
- Process Plant
- Ball Valve Isolation
- Pipeline Dewatering & Degreasing Pigs
- Packer Isolation & Annulus Gas Migration Issues
- IBS-S & IBS-SX (KES)

**Downhole Management**
- Cleaning & Pick up Gels
- Annulus Ball Valve Isolation
- Temperature Lubricant
- Packing Leaks

**Rigless Well Integrity & Intervention Isolations**

**Pipeline Isolation Pigging & Flushing Products**

**Anti-Corrosion Products**

**MHS-Protect**
- Designed & formulated to be applied on-surface, off-surface or within pipelines
- Specially formulated to withstand stresses induced by the most severe conditions
- Cost-effective and environmentally friendly

**MHS-Protect-O1 Foam**
- Designed for trouble free access to studs & huts
- 30 parts foam around cable to seal
- MHS-Protect is easily removed for inspection or maintenance

**KCI Innovation**
- 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**
- Recognised as examples of best practice for applications which may be difficult to resolve with conventional methods or technologies.
- Rigless Isolations successfully deployed worldwide reinstating barriers to maintain pressure activated sealants which require small gaps & high pressures to achieve isolation and results in differential pressure. Bridges large gaps & holes in seal structures unlike plastic packing & other available gel products.

**Application Examples**
- Bore Stab hole drilled in horizontal or vertical wells. Utmost care must be exercised on the field setting of the KCI Bore Stab Pig Closure Kit for Minimum Torq & Production.
- KCI’s IBS Breaker is 97% Water & has a pH Value of 6-7.
- IBS-B Breaker is 98% Water & has a pH Value of 5-7.
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**BESPOKE SEALANT MANUFACTURER**

**RIGLESS WELL INTEGRITY & INTERVENTION ISOLATIONS**

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