



Kinetics Controls  
& Innovation Ltd

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## MD-Sealant

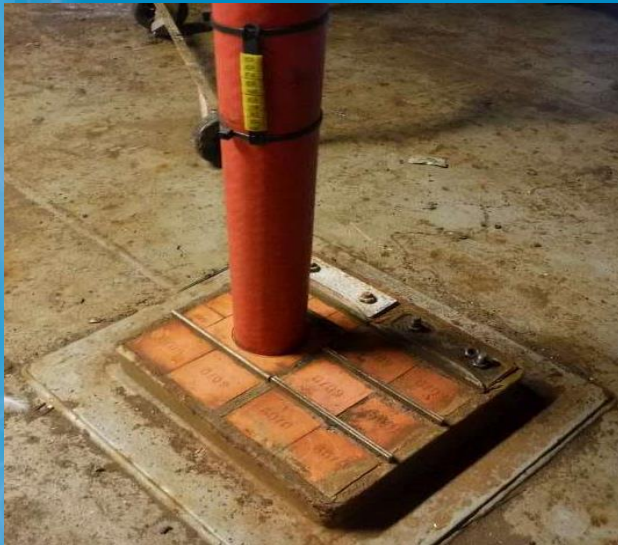
Anti-Corrosion Coating & Leak Sealing Solution



*“Successful Cable Transit Box Isolations  
on a UK Platform Using MD-Sealant”*

# Cable Transit Box Isolation Using MD-Sealant

## As found condition



## Background

- ❑ Transit box was not compliant with customer operating criteria :
  - \*Water & Salt ingress into the switch room
- ❑ Leak discovered to be coming from the rubber blocks fitted in the transit box
- ❑ KCI were requested to propose a solution for the resolution for the fluid ingress
- ❑ KCI proposed a MD-Sealant coating applied using a paint brush and a large volume syringe for tighter areas to fill between the cables on the top of the transit box
- ❑ KCI used two different viscosities of MD-Sealant
  - ❑ MD-Sealant 04 (Standard viscosity)
    - ❑ For vertical areas
  - ❑ MD-Sealant 01 (Low viscosity)
    - ❑ To flow and seal around cables

## Cable Transit Box Isolation Using MD-Sealant

### MD-Sealant Applied



### Deployment Detail

- ❑ A wire brush was used to remove surface rust and debris that had built up on and around the transit boxes. A soft bristle brush was then used to clean up all the dirt and dust
- ❑ The transit boxes were masked off to ensure that the sealant left a clean straight edge
- ❑ Two coats of MD-Sealant 04 was applied to the outer edges of the boxes to create a strong base to hold and bond with the MD-Sealant 01
- ❑ A thick coat of MD-Sealant 01 was applied to cover and seal the top of the transit boxes which flowed around the cables to ensure a strong bond which created a tight weather proof seal
- ❑ All eight Transit Box isolations were successfully completed

