Vapour phase Corrosion Inhibitors (VpCI)

Corrosion costs industry billions of pounds each year. HITEK-nology Solutions Limited can, using Cortec's VpCI products, prevent assets and high value spares from corroding, we can also reclaim parts etc. that have corroded. This both saves money and increases the life of the equipment.

VpCI's are environmentally friendly and have little or no Volatile Organic Compounds (VOC's). VpCI can be delivered in a variety of ways, including misting, fogging, spraying, brushing, dipping and wrapping etc. Depending on the individual task would dictate the method used and the type of product chosen. VpCI's are available in such forms as powders, liquids, emitters, impregnated paper, plastics and cardboard etc. and can give protection in any environment for up to 25 years.

VpCI works by conditioning the enclosed atmosphere with a protective vapour which migrates to all recessed areas and cavities, the vapour condenses on the metal surface and the ions dissolve in the moisture layer (water electrolyte). These protective ions are attracted to the metal surface forming a monomolecular protective layer, this protective layer re-heals and self replenishes through further condensation of the vapour. The picture below shows this.

HITEK-nology Solutions Limited is the only approved European applicator of the Cortec Corporation VpCI products