

Corrosion Monitoring Services and Systems

Access Fitting Protective Jackets



About Us

PMAC was formed in 2000 to offer specialised products and services to the Oil and Gas industry worldwide. With offices in Aberdeen and Singapore, PMAC covers a worldwide market and have gained a reputation for innovative solutions in the fields of Integrity, Oilfield Chemistry and Flow Assurance.

Since inception in 2000, PMAC has grown from a team of 3, designing and manufacturing analytical equipment for the chemical industry, to a team of 30, providing a range of subsea and topside products & services.

PMAC's current line of services include Flooded Member Detection (FMD), Well Test/Sand Monitoring (intrusive & acoustic), Cathodic Protection Surveys, Intrusive/Non-intrusive corrosion monitoring and field based chemical/microbiological testing

Ageing Assets

The corrosion of steel piping and its related components is a continuous and virtually unstoppable process. The end product, which is commonly referred to as rust, is simply the result of an electrochemical reaction through which the higher energy processed metal is slowly reverted back to its naturally occurring form - metal ore. An estimated one-sixth of all steel production worldwide is used to replace corroded metal.

For various reasons, ranging from declining material quality, engineering or less effective corrosion controls, corrosion activity now presents to many asset managers a potentially career altering challenge. Corrosion related failures however, are not an overnight event. Most high corrosion scenarios are the result of years of a problem condition which has gone unrecognized, unaddressed or ignored. Often it is inherited from a previous owner or operator, who was not pro-active in controlling corrosion problems, and/or having obviously less concern.

Corrosion control can be an expensive, labour intensive and complex challenge, particularly on ageing assets located in harsh geographical environments such as the North Sea. There are however countless situations where very simple and cost effective methods and opportunities to protect offshore equipment from these environments are missed. Remarkably, the very equipment which is called upon to monitor internal corrosion, is all too often rendered unusable due to the effects of external corrosion. The seizure of 2" access fitting caps and corrosion of the underlying threads are common place, resulting in limited use or complete abandonment. The indirect, and arguably most important impact of this situation is not just the cost of replacement fittings, but the loss of critical internal corrosion monitoring data for prolonged periods (years in many cases).



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Developed by and exclusively available from PMAC in response to customer requests, the Access Fitting Jacket is a cheap, durable and waterproof product designed to protect 2" access fittings from the effects of external corrosion. Even in the harshest of environments, this simple device will add years to the service life of internal corrosion monitoring access fittings and associated components.

Available for both flanged and flareweld (mechanical & hydraulic) access fittings, these jackets will substantially reduce the effects of corrosion and are recommended for all locations exposed to sources of moisture. Access Fitting Jackets are available in various sizes and colours, with or without viewing windows and are suitable for temperatures between -20°C to +70°C (High temperature option available). Each jacket can be configured with unique text i.e. tag number & monitoring type to suit customer requirements.

Benefits

- Slows the onset of access fitting and monitoring device corrosion, increasing service life by many years
- Integrated viewing window to allow pressure gauge and general condition monitoring
- Installed and removed easily by means of draw cord or Velcro
- Can be supplied with integrated access panels to allow easy access to probe/data logger connections with portable data download terminals
- Highly visible, fade resistant and durable material provides years of service
- Low cost, simple construction and available for immediate dispatch



Bespoke Protective Covers

PMAC can design and produce protective covers for virtually any piece of equipment such as pumps, valves, flanges, instrumentation panels and emergency equipment.

Our Technicians can visit your site in order to determine dimensions and any other specification requirements, such as colour, viewing windows, access panels and text. Bespoke protective covers can then be produced and ready for installation within a very short turnaround time.

Protect your investments from the ever present threat of corrosion with our cost effective protective cover solutions. Contact PMAC for further information.