

Refinery Gas Applications

Application Typical applications in a refinery include hydro-cracking or “cat-cracking”

Problem The cracking process releases potentially corrosive compounds such as H₂S. The corrosive effect of this gas is greatly magnified when excessive levels of water are present.

Solution Since the cat-cracker is very hot, direct sampling is not possible. Therefore, an extraction line is used to bring the gases down to ground level for monitoring.

Equipment Continuous monitors can be installed at a location where the gas is cool enough to sample. Portable instruments can be used during equipment startup.

Advantages Our portable instruments have the integral drydown chamber. This allows for rapid sampling, point-to-point, during startup.