

## 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 H<sub>2</sub>S. 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.