

# Alkylation plants

Oil refineries worldwide.

# The Alkylation process

Produce high octane gasoline

Catalytic process using HF (or sulphuric acid)

Called HFAU = HydroFluoricAlkylationUnit

Isobutane is mixed with propylene and butene

# Requirements and solution

Measure HF

Quick response time for early warning

Explosion proof equipment

LD500 with Eexp or Eexd receiver

Long fibres and cables

Analyser in safe area or Eexp cabinet

# Why not conventional

Does not cover as large area

Requires more maintenance

Not as accurate

Not as fast respons

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# Example layout

