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Mator News

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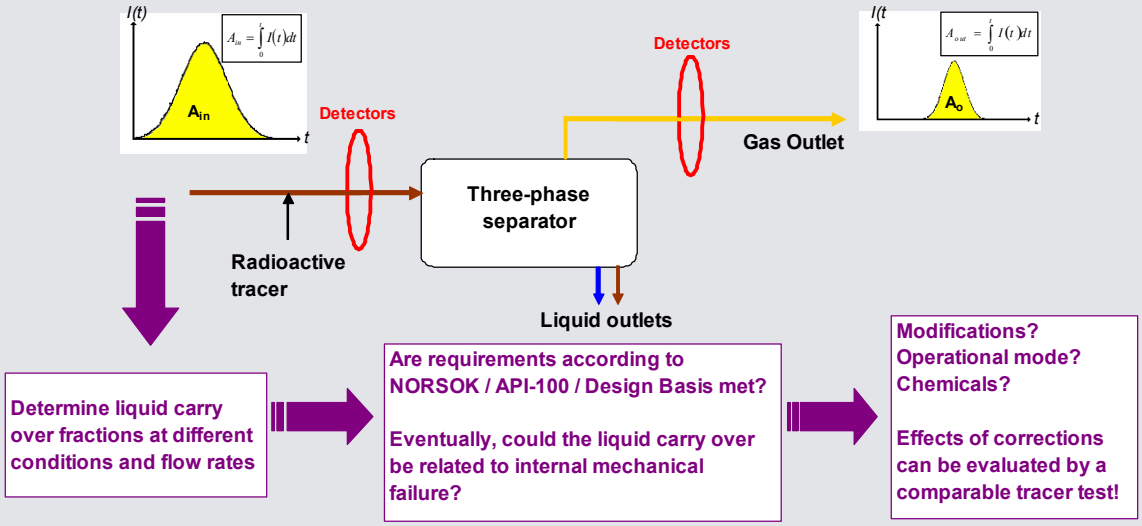
Mator AS – the separation specialist

Separator liquids carry over quantification

Mator AS has in cooperation with **Institue for Energy Technique IFE**, developed tools and techniques in order to quantify the fraction of liquid entrainment in the gas phase from three-phase separators. The technique is based on injection of short-lived radioactive tracer isotopes, and by detecting the level of radioactive emissivity upstream versus downstream of a separator, the fraction of entrainment is given. Mator AS/IFE has recently successfully accomplised a tracer based study of a three phase separator in order to verify effects of internals modifications.



Special considerations when executing radiotracer testing:

- selection of appropriate tracer isotopes
- selection of appropriate injection solvents
- location and shielding of detectors
- influence on existing instrumentation
- HES for personnel and the environment

Radiotracer technology enables non-intrusive diagnosis of process and equipment behavior. Please contact us for further information on application areas and methods.

Resent Mator projects:

- **StatoilHydro Troll C:** Produced water Troubleshooting
- **StatoilHydro Fram:** Verification of liquid carry-over by radioactive tracers.
- **Kanfa AS:** Frøy re-development – topside EPCI.
- **Teekay Foinaven:** Desander testing.

Mator AS

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