

# Mator News

4/2009

Mator AS – the separation specialist

The Mator office wishes you a  
Merry Christmas and a Happy New Year!

## Compact topside process design

Mator has conducted several independent studies regarding compact topside process design. Overall study objectives have been to obtain practical solutions with minimum weight and space demand, and reduced capital investment and operational expenditures.

Extensive search for state-of-the-art compact technologies has been conducted, including evaluations of both commercial and non-commercial technologies.

Equipment evaluated for efficient and compact oil dehydration:

### Separator internal coalescer technology

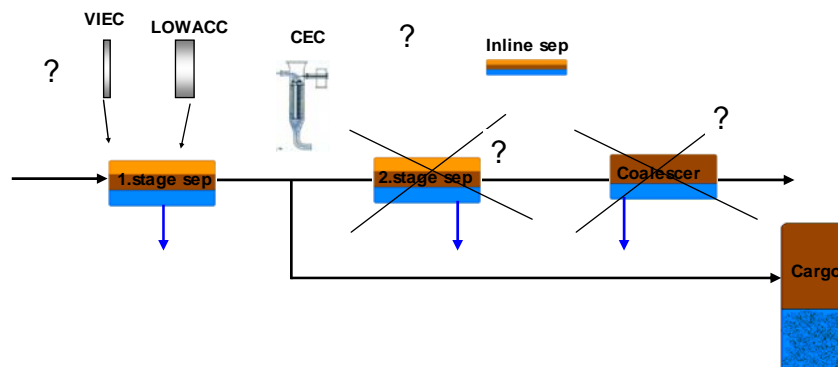
- Conventional electrostatic coalescer technology
- VIEC
- LOWACC
- Vertical electrostatic grid system

### Compact separation

- CEC – Compact electrostatic coalescer
- CDS inline separators degasser, deliquidiser.

Cargo tank for final oil polishing down to 0,5% BS&W in periods with challenging operation.

**Mator has gained valuable experience on compact equipment which will be put to use for other installations and as input to engineering projects.**



### Recent Mator projects:

- ◆ **Statoil Staffjord C:** Process baseline and CTour optimization.
- ◆ **Statoil Veslefrikk:** Produced water mapping and troubleshooting.
- ◆ **Statoil Kristin:** Separator scanning and produced water optimization after Tyrihans.
- ◆ **ConocoPhillips Eldfisk:** 3<sup>rd</sup> party verification of produced water technology.
- ◆ **Sevan Piranema:** Produced water treatment study.

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