

- 1、 Troubleshooting separation processes for mature field installations Solutions.
- 2、 Ormen Lange –NEW Field Development The 2nd largest gas field discovery in the North Sea
- 3、 Condensate:6000to8500 m³ per day
- 4、 Gas.70million 8m per day
- 5、 Approx 11 billion US\$ investment costs
- 6、 ConSepT delivers internals to totally 16 gas-liquid separators
- 7、 Liquid phases, various modes oils and water
- 8、 Gas density up to60 kg/m³
- 9、 All fabrication are sub-contracted
- 10、 Main contractors are
- 11、 IKM Mekaniske,Norway
- 12、 Reinertsen Orkanger,Norway
- 13、 Dalian New Shipyard,China
- 14、 Detail mechanical engineering are partly sub-contracted
- 15、 Optimized
- 16、 Typical design of a vertical gas scrubber suffering by poor separation performance
- 17、 Design check of vanepack loading
- 18、 Path lines colored by velocity magnitude (m/s)
- 19、 Poor velocity distribution in vessel

- 20、 Poor velocity distribution across vanepack
- 21、 Axial Flow Cyclone Technology
- 22、 Example axial flow cyclone versus vanpucks
- 23、 Tests presented by 3rd party, does not include ConSepT DC
- 24、 Typical optimization of horizontal primary separators
- 25、 Known Separator Problems
- 26、 Improved Separation by New Internals
- 27、 Statoil's K-lab test facility at the land terminal Karsto, Western coast of Norway
- 28、 K-lab test facility allows testing of full scale scrubber internals on real fluids at pressures up to 150 barg
- 29、 ConSepT is the first vendor allowed to test a complete scrubber configuration Tests will be carried out from 25.nov-1.dec 2004
- 30、 K-lab test facility at Karste
- 31、 ConSepT IVD ConSepT DC