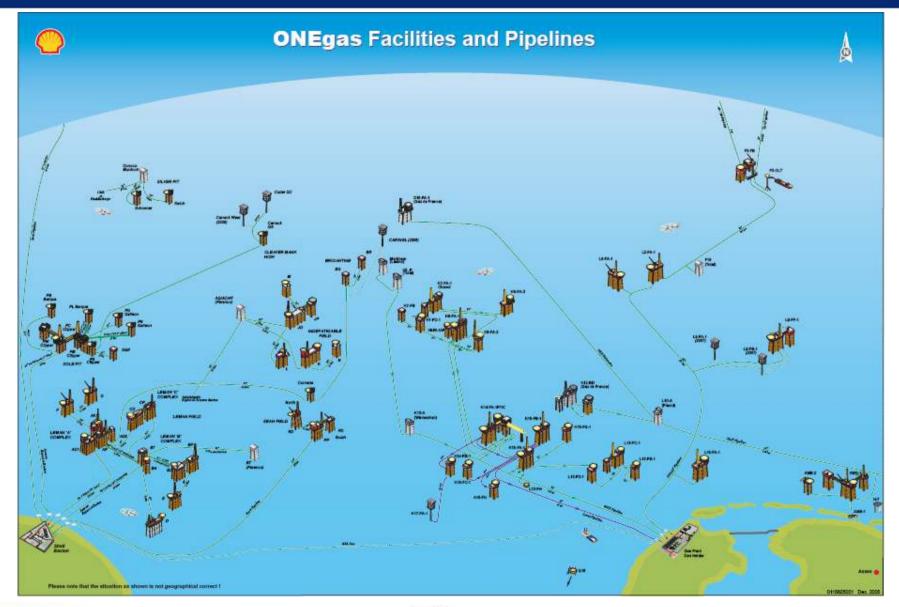
Amec, Jacobs en Stork (AJS-ISC)







Glycol Offgas Emission Reduction

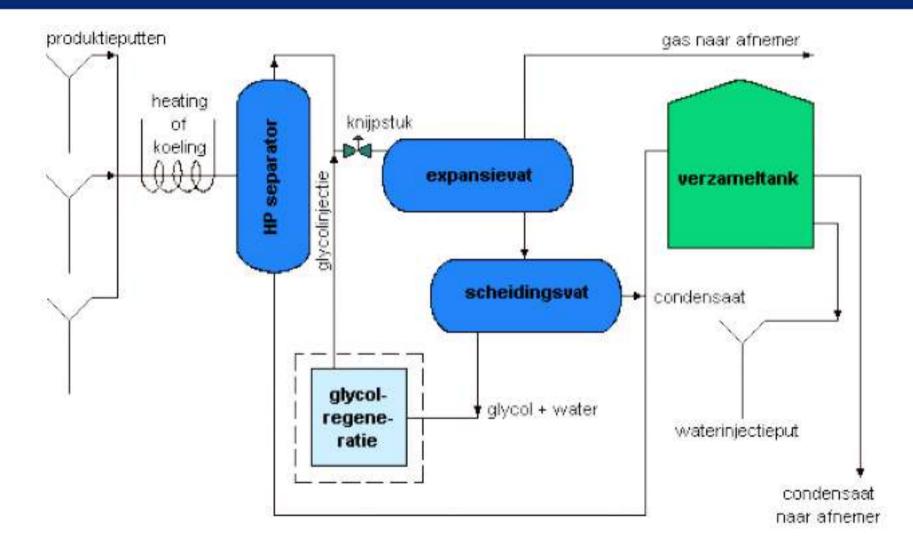




't verschil







Principeschema gasbehandelingsinstallatie - expansie en glycolinjectie





Off-course = start route

Problem:

ONEgas has committed themselves to reduced carbon emmissions from their offshore installations. In order to meet the target emissions levels and dates, they have agreed with the Dutch Government and NOGEPA (Netherlands Oil and Gas Exploration en Production Association)

L15-FA-1, L5-FA-1 & L02-FA-1

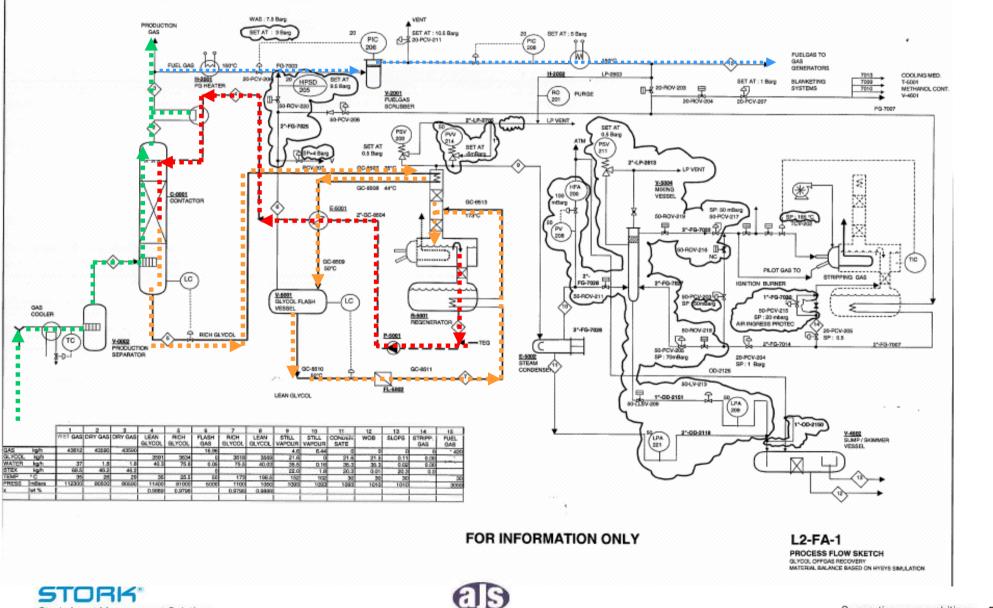
Solution is given by Shell.

Start February 2005.





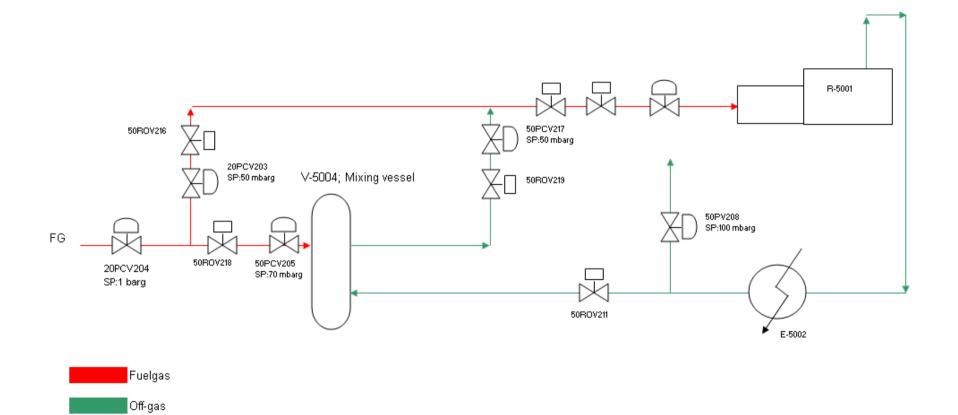
Process overview



Stork Asset Management Solutions

Supporting your ambitions 5

Glycol Offgas mixing Vessel







Off-course = vanzelfsprekend??

Design Principles

- Is the process safe guarding.
- •Does it meet the proces requirements.
- Proces conditions from input to output.
- Questions raised by AJS
 - •As input: variable gascompositions.
 - •As output:Steady gas consumption at furnace





AJS is streamlined to take it on.

- •Designing disciplines:Process, Piping and Mechanical, Instrumentation, Electrical, Structural.
- •Workpack, support construction, construction it self, welding, vendors, software, electriciens, scaffolders,
- •Inhouse services: Shell, Nam, Painting, Scaffolding. 2Rent (tools and Equipment).
- Short lines with suppliers weekly updates,
- •Planning department, each asset, flightscheduling, vessels, boatsupplier, warehouses
- •From projects to maintenance

AJS can deliver as asked.













Off-course = afwijking van de route

Operations point of view	AJS point of view
 Gasproduction (no downtime) 	•Restart Project
 Safeguarding for everyone 	Woodstork =>AJS
 24hrs alarm standby 	•enviromental.
•Don't want an unstable system	Waves, wind, waste
 Dont want the extra administration on offgas emission, 	Project Duration:
 Other projects have more priority, maintenance, Fire&Gas, well services, drilling, unwanted shutdowns. 	through planning by prioritizing; missing materials, sickness
 16 beds, 8 taken by operations, cook, steward, and crane-operator and 5 operations crew. 	 New project people

300% budget overspend, (initial budget 3,4K)

March 2009, glycol offgas reduction is taken in production.







Off-course = start route

Off-course = vanzelfsprekend

Off-course =afwijking van de route

What can you learn??





Any Questions??

Otherwise thank you, for your interest.

With regards Wobbe de wit

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