

### TLP design based on flow assurance

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Flow Assurance Reservoir Oil&Gas가 Onshore/Offshore  
 / 가 . Flow Assurance Subsea  
 Assurance TLP(Tension Leg Platform) Flow  
 TTR(Top Tension Riser) Insulation  
 , FTL(Fluid Transfer Line) Jumper Flexible  
 Flow Assurance . TTR Insulation  
 FWHT(Flowing Wellhead Temperature) CDT(Cool-down Time)  
 EVR(Erosional Velocity Ratio) . Initial Start-up, Shut-In,  
 Ramp-up  
 TLP가 . Pigging  
 Depressurization Surge Volume 가 Separator .