



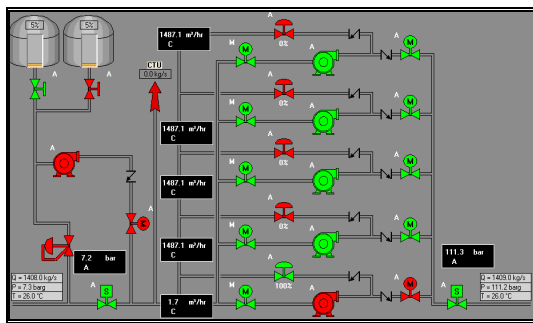
## BTC Leak Detection and Training Simulator

- System** : Baku – Tibilisi - Ceyhan
- Location** : Azerbaijan
- Scope** : Oil Pipeline Management and Leak Detection
- End User** : BTC
- Installation Date** : Trainer System - 2005  
Leak Detection - 2006
- Pipe Length** : 1760 km
- Fluid** : Crude Oil - Slack Line



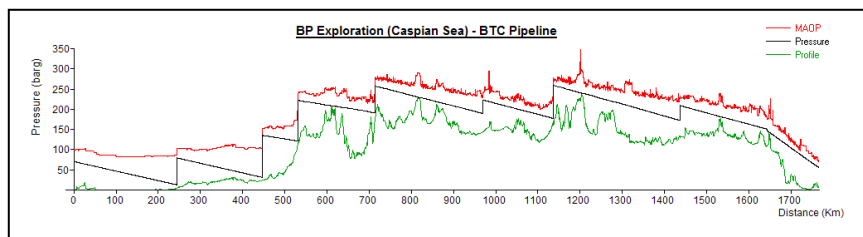
### Simulator Scope

The simulator scope of supply includes for the entire 1760 km of pipeline that includes 9 intermediate pumping stations, over 90 intermediate valves and the supply and delivery sites. This complex simulator includes all equipment, the control scheme, the tanks, and the surge suppression equipment. It also simulates the formation of slack line flow regimes.



### System Benefits

The simulator provides a complete picture of the flow, pressure, temperature and the gas breakout volumes that develop with slack line flow operation. This information assists the operator in controlling stable pipeline operation. The results are made available to the leak detection and pipeline integrity functions. Leak detection is conducted independently on each pipeline section to provide high sensitivity capability and accurate leak sizing / leak location data. In offline mode, the simulator supports a flight simulator style-training environment. The operator being trained interacts with the training simulator as though operating the SCADA system. Not only do the trainees become fully familiar with the pipelines normal behaviour, they also become familiar with abnormal / hazardous operations without being exposed to the actual pipeline.



For more information about our products and services, please contact us at

[info@sim-soft.co.uk](mailto:info@sim-soft.co.uk)

Phone +44 (0) 113 281 9038

Simulation Software Limited.  
Mill House  
Hawksworth Road  
Horsforth  
Leeds  
LS18 4JP

[www.ssl-int.com](http://www.ssl-int.com)

