

Contract example – Oil & Gas Industry



MOL Pump Instability Investigation

Offshore Asset Operational Problem



Problem

- MOL pump speed instability
- Oil production rate reduced
- Reasons not fully understood

Consultancy Approach

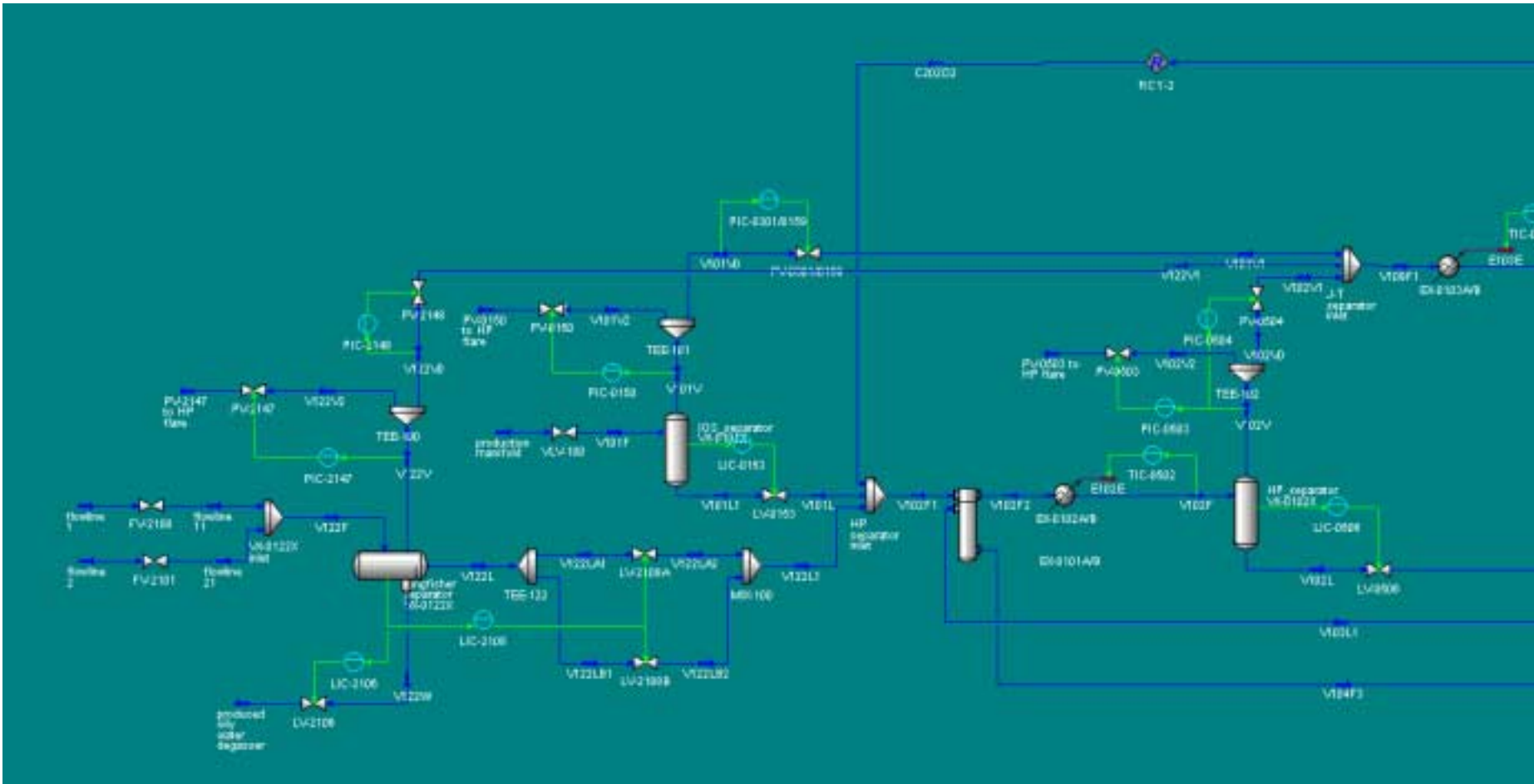
- Represent process behaviour using Hysys.plant
- Use plant simulation to understand problem
- Evaluate (change) solution options

Why use Hysys simulation tool?



- Widely used within oil & gas industry
- Ability to represent process thermodynamics
- Good productivity (high level language)
- Dynamic
- Model becomes an asset (for future use)

Hysys dynamic model environment



Front-end of oil/gas/water separation process