

Petrostreamz Resource Management

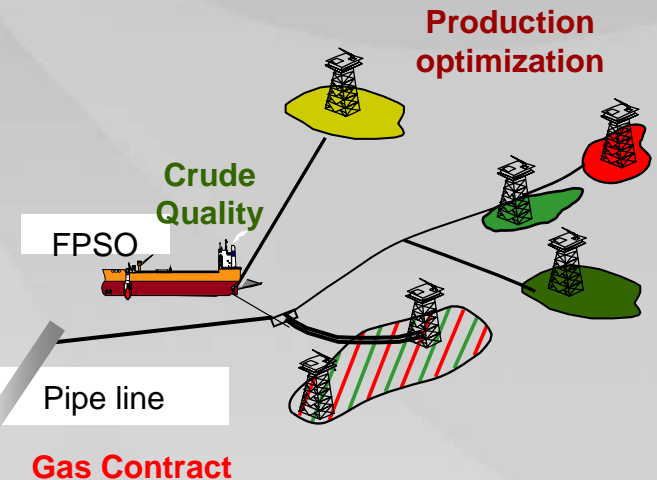
Crude Oil Assay Module

Objectives

- Composite crude property estimation.
- Marketing & sales.
- Added value & quality control.

Deliverables

- Dynamic forecasting module.
- Optimization / planning module.
- Detailed & composite crude assay module.



Petrostreamz Resource Management

Crude Oil Assay Module

- **Dynamic forecasting.**

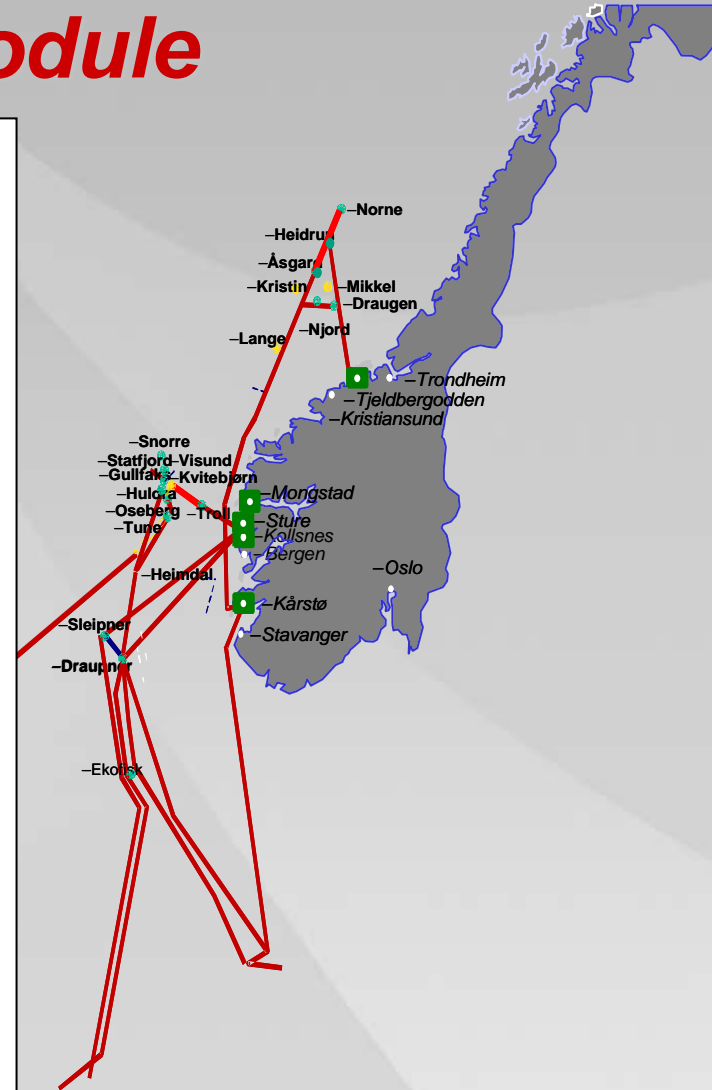
- Consistent conversions from simulator model results to detailed compositional information.

- **Automated composite crude assay module.**

- Detailed composite crude oil properties at any given time.
- Automated link to crude assay sheets.

- **Automated optimization/planning tool.**

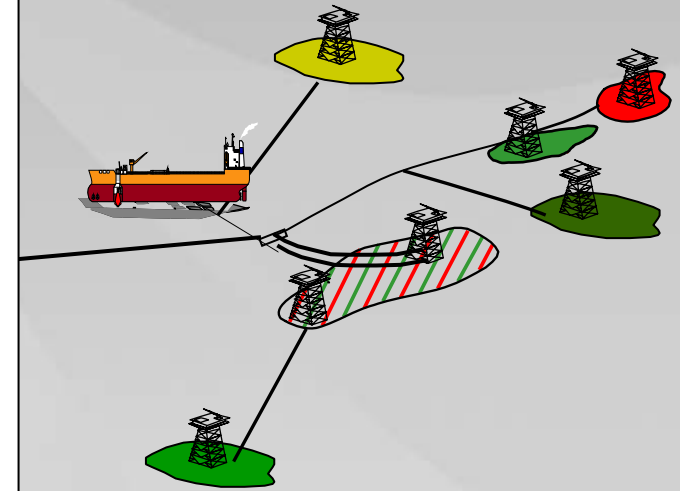
- Optimization on product value and product quality specifications.
- Honor contracts, field constraints, facility constraints and crude quality etc.



Crude Oil Assay Module

Dynamic Forecasting

- **Automated link to simulation model results.**
 - Conversions to detailed compositional information.
 - Forecasting short-term and long-term.
- **Automated surface process calculations.**
 - Detailed product forecast (Sales gas, NGL, LNG, Crude Oil, etc.)
 - Detailed crude oil mixture properties



Petrostreamz provides detailed crude oil properties at all times!

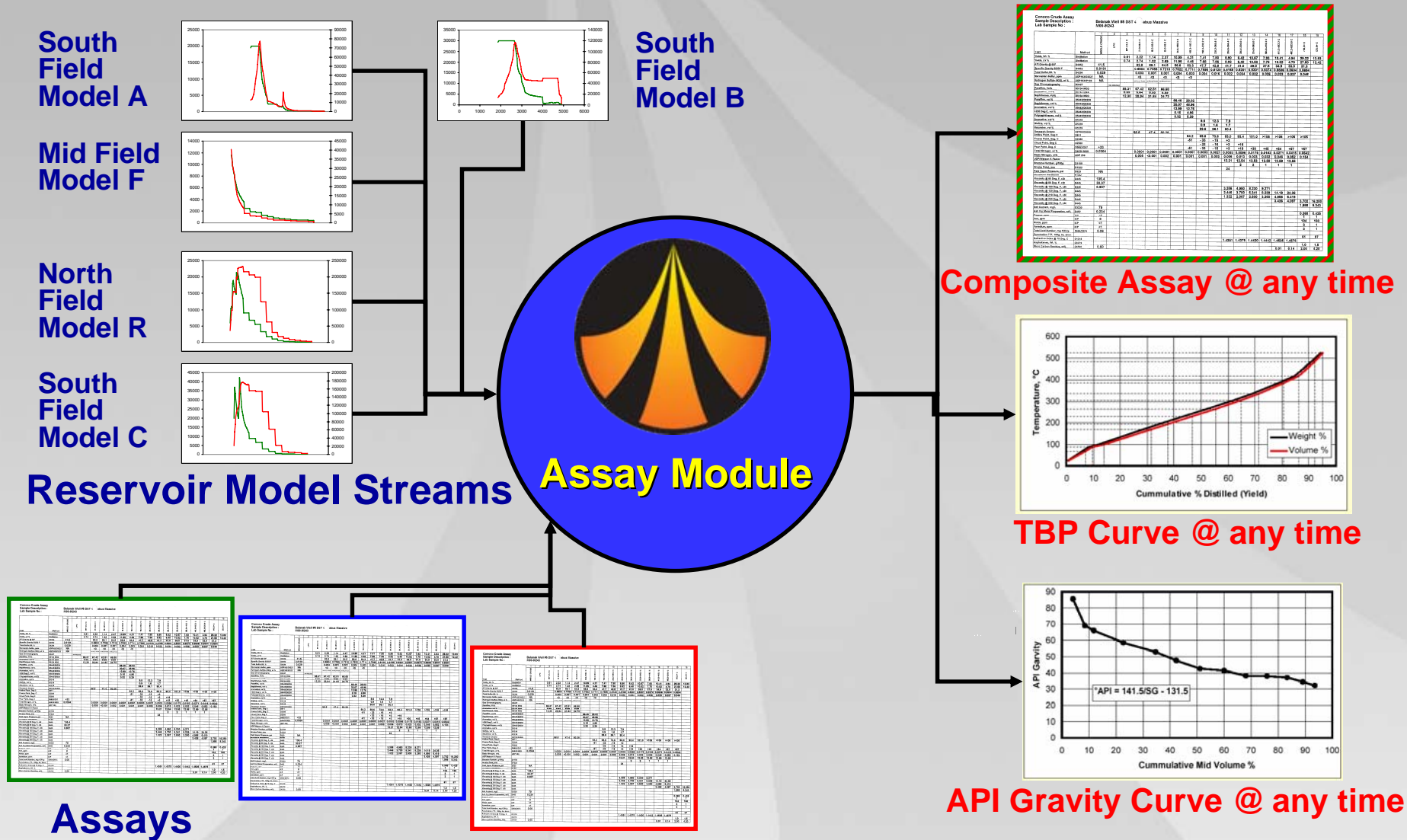
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Crude Oil Assay Module

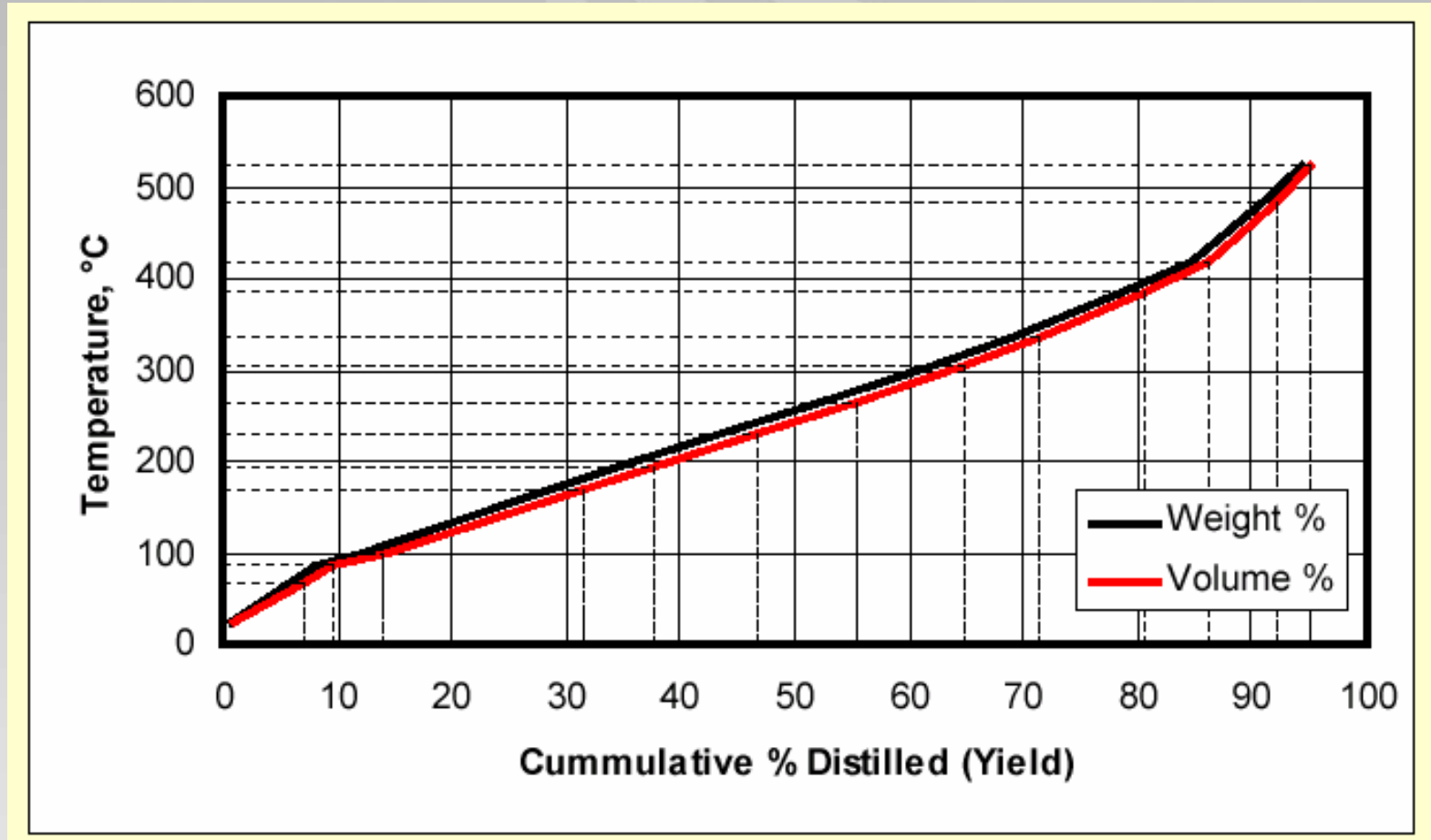
Petrostreamz

- **Multi-field development.**
- **Centralized common processing.**
- **Single “oil” product with composite properties.**
 - **API**
 - **Viscosity**
 - **Distillation curve**
 - **CO₂, H₂S, N₂, Sulfur, Paraffins, Aromatics, Napthenes, etc.**
 - **Freeze point, Pour point, Aniline point, etc.**
 - **Total acid number.**

Crude Assay Module – At a Glance



TBP Curve @ any time



Composite API gravity @ any time

