



EMK3 Plant Ops – Meters and Production Module

Make responsive decisions with accurate, timely, reliable volume information Natural Gas NGLs Oil

Access to accurate, timely, and reliable meter status and volume information is critical to plant operations. This can impact producer allocations and system balancing. For this, EMK3 offers the Meters and Production Module.

The **Meter and Production Module** stores basic information on all meters behind the plant. It provides a single portal for all volume information critical to plant operations. It integrates with your production system to receive volume information and gas analysis from the field. In addition, it stores plant measurement volume such as Plant Fuel, Plant Flare, Plant Inlet, Residue Gas, each NGL component and more.

Key Features

- **Configurable Plant Setup:** Manage multiple plants each with their own liquids, meters, segments, shrink factors, recovery factors, and more.
- **Manage Meter Information:** Manage basic information on all meters on the plant. Information includes meter name, meter no., meter type and status, operator, segment, capacity and more.
- **Calculate Fuel and L+U:** Set up multiple segments to model field fuel and L+U then calculate appropriate contract volumes.
- **Support Multiple Allocation Methodologies:** For each meter, specify the allocation methodology (PDA).
- **Track Producer Allocation Percent's:** For each producer on a meter, enter their fixed allocation percent's.
- **Store Production Data:** Store daily "Estimated Actual" and "Actual" production information in both MCF and measured MMBtu.
- **Store Gas Analysis Data:** Store various gas analysis information such as BTU, Pressure, Temperature, CO2, N2 and more. Also, store full liquid (NGL) composition
- **Store Metered Plant Volumes:** Store gas plant metered volumes like Plant Fuel, Plant Flare, Plant Inlet and Plant Residue Gas. k.
- **Store Recovered Liquid Volumes:** Store gas plant volumes for each recovered liquid like Ethane, Propane, Iso Butane, Normal Butane, Natural Gasoline and Condensate.
- **Integrate with Production Systems:** Integrates with your production system to receive daily meter readings and gas analysis.
- **Define Information Alerts:** Set up various types of automated user alerting, such as a change in production volume or a meter added.
- **Generate Reports:** Meter Information, PDA by Meter, Monthly Production, Average Production, and more.

Fig. 1 – List of Plant Meters

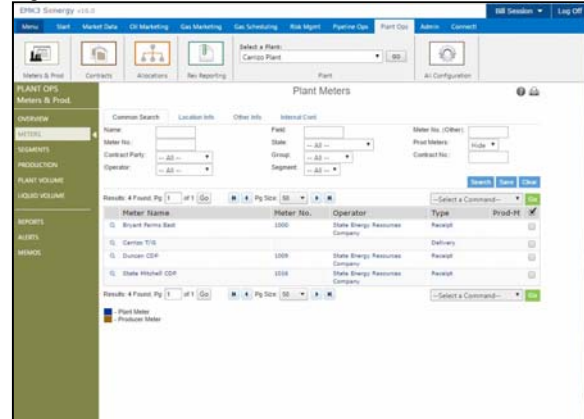


Fig. 2 – Meter PDA Information

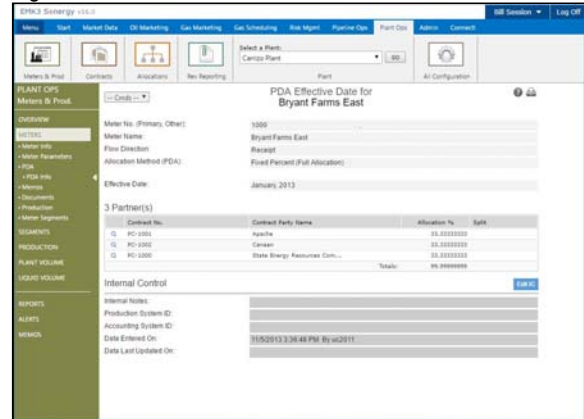


Fig. 3 – Meter Production

