

# SAP QCI For Decision Makers



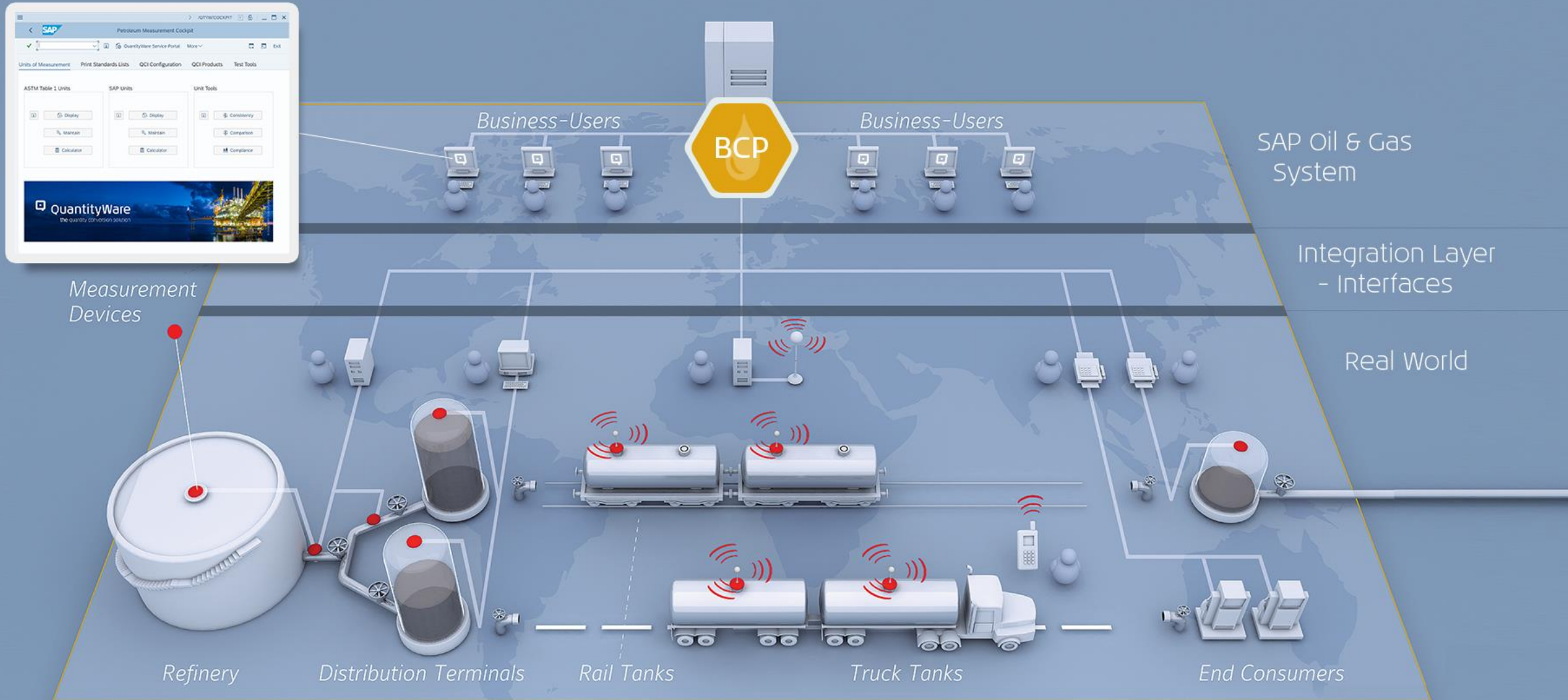
# The Current Situation

- SAP Oil & Gas comes with an open interface – **SAP QCI (Quantity Conversion Interface)**.
- SAP **does not** deliver any validated, measurement standards-based conversion implementation.
- Owing to complexity and risk, measurement standard-based conversion implementation **has always been a customer task**.
- Between 1990 and 2005, business process orchestration was in focus – **the entire topic of quantity value data flow has been neglected**.

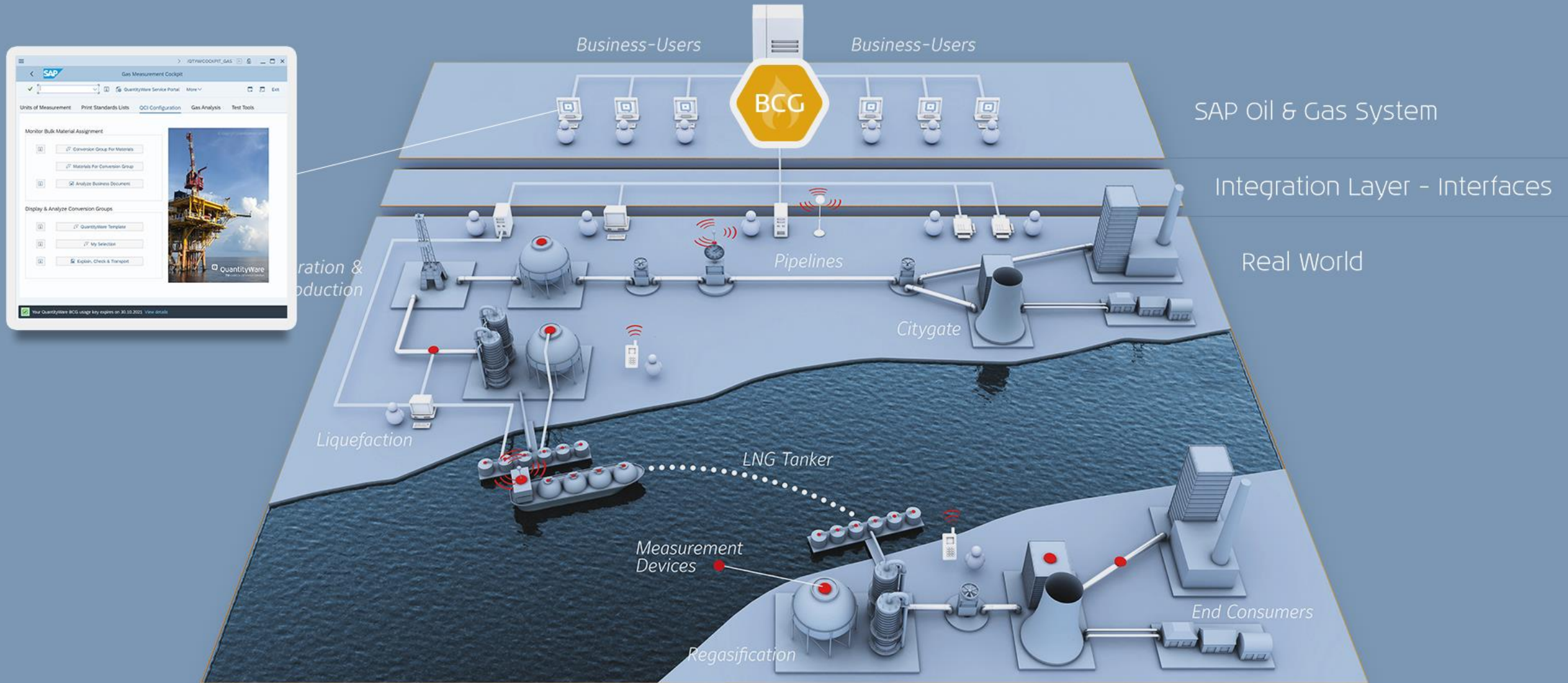
# Why a Dedicated Quantity Conversion Solution?

- A dedicated quantity conversion solution for your SAP system using the SAP Oil & Gas must be plugged into the SAP QCI, **or business processes will not work:**
  - Thousands of internal SAP QCI calculations are **required for daily business process execution** – a quantity conversion solution is essential.
  - Such SAP QCI calculations are also responsible for the control and enrichment of **thousands of external measurement data sets processed daily.**

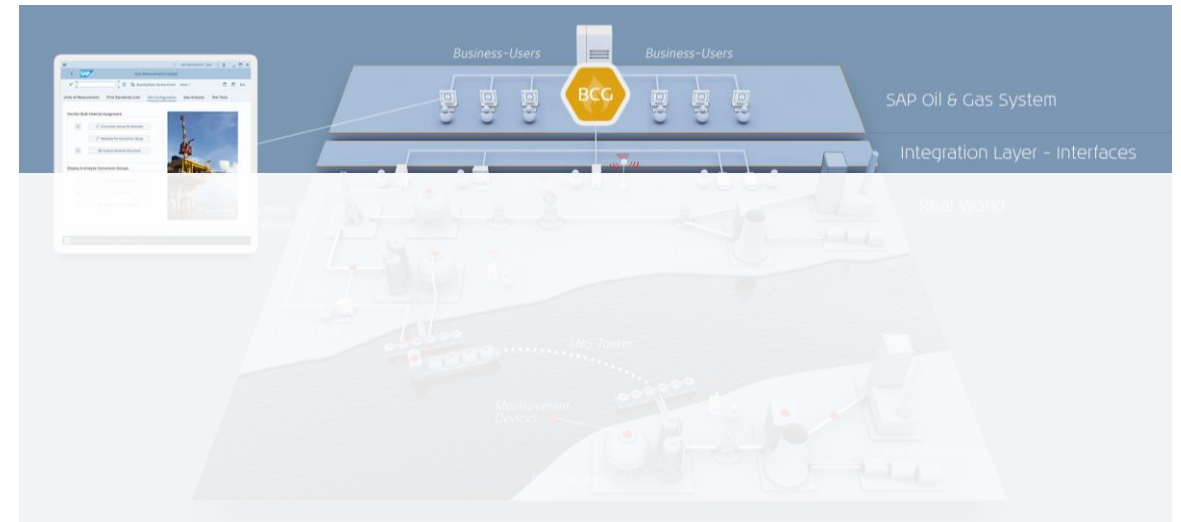
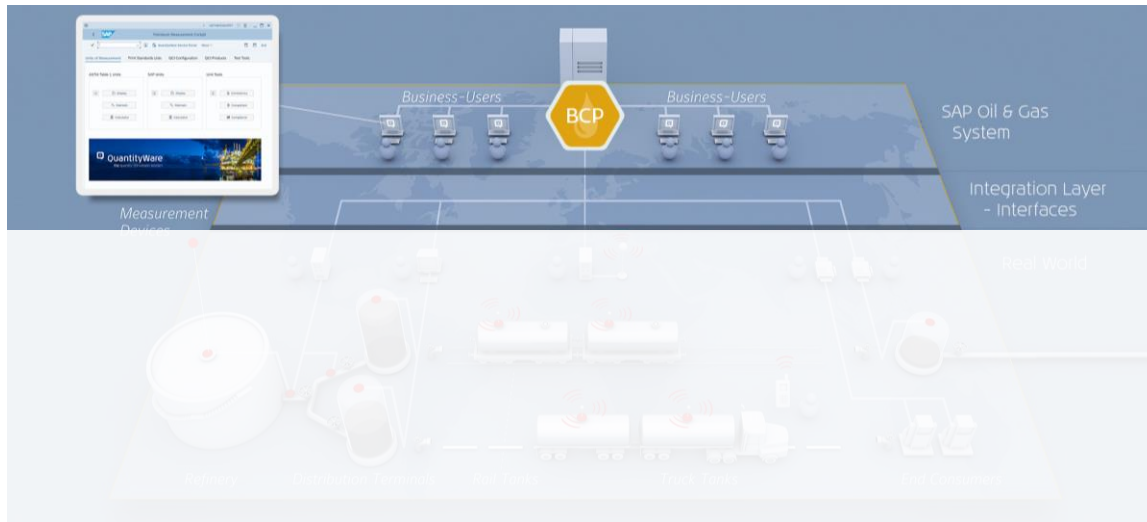
# SAP QCI Integration (Petroleum)



# SAP QCI Integration (Gas)

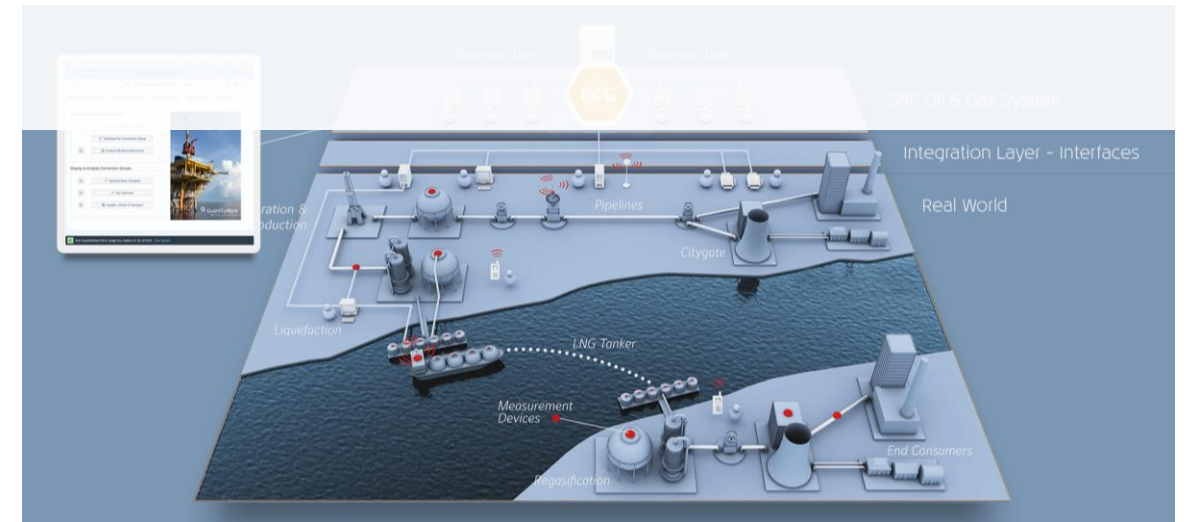
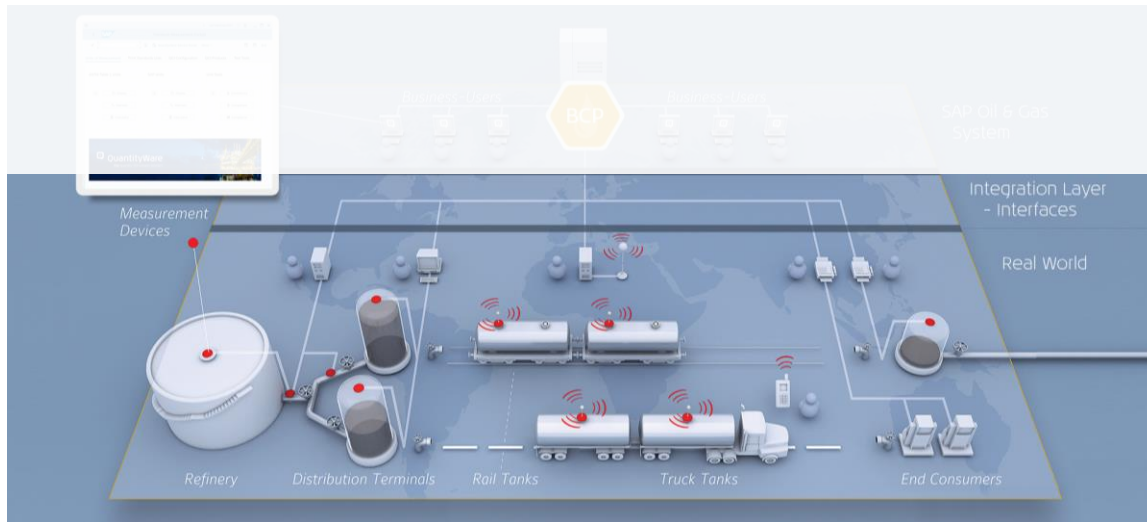


# Integrating SAP Quantity Conversions...



- QuantityWare BCS and SAP Oil & Gas are a tightly and seamlessly integrated solution **within the SAP layer**
- **BCS acts as a gatekeeper and data enrichment engine**, with Compliance and Transparency tools within the Petroleum and Gas Measurement Cockpit.
- **All QCI-relevant SAP Oil & Gas processes are automatically supported** by QuantityWare BCS.

# ...and the Real World



- In the operational **“real world”**, various real-time measurement software packages are available.
- These solutions cover detailed processes (e.g., within a refinery) on a single movement level, providing the raw measurement data which is then passed into the SAP Oil & Gas system via the SAP QCI. **BCS ensures that only good data is passed to the SAP system, and that data is enriched** (additional required data is calculated) for all relevant SAP Oil & Gas business processes.

# Available Calculations

- There are three known SAP Petroleum liquid conversion products on the market, at the time of analysis:
  - **QuantityWare GmbH** – SAP certified ABAP solution – BCS
  - **Flow – Cal Inc.** – C source integration “API – C 2004”
  - **Implico GmbH** – C Source integration “API – C 1980” (OpenTas® QCM)
- Note: There are **no known comparable calculation solutions** for the Natural Gas, Hydrogen and LNG calculations provided by QuantityWare BCG for gaseous products.



# Calculation Comparison - Method

- Using publicly available information from each of the supplier web sites, we have developed a set of comparisons between the petroleum calculation offerings.
- Comparison characteristics have been selected by QuantityWare, based on our experience of customer requirements.
- The comparison of these characteristics is displayed on the following slide.

# Solution Comparison - Results

Feature	QuantityWare BCS	Flow-Cal API-C 2004	Implico QCM
Integration via standard SAP QCI	Yes	Yes	Yes
SAP Certified Add-On	Yes	No	No
SAP ABAP – OS independent	Yes	No	No
Supports all products (incl. Petrochemicals, LPG and Asphalt)	Yes	No	No
Supports all volume correction measurement standards	Yes	No	No
Supports all mass to weight measurement standards	Yes	No	No
Supports all unit of measurement (UoM) standards	Yes	No	No
Supports all conversion model standards	Yes	No	No
Supports legacy standard versions	Yes	No	No
Configuration and control via central transaction	Yes	No	No
Global configuration template (four languages)	Yes	No	No
Easy-to-use implementation methodology	Yes	No	No
Petroleum measurement expert training & consulting	Yes	No	No
Automated installation tests and production test scenarios	Yes	No	No

# Solution Comparison - Summary

- QuantityWare BCS 3.0 is the only **SAP – certified** quantity conversion group solution for the SAP Oil & Gas solution, which meets all global customer requirements
- QuantityWare BCS is the only quantity conversion calculation solution **holistically designed** to fulfil all technical & transparency, “Governance, Risk Management & Compliance” requirements of modern energy companies.
- QuantityWare BCS has a transparent, openly published, **self-assessment based pricing system**, for its annual subscription model, including all service, support, licensing and upgrade rights.

# Contact Data

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# Notes

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