

# BCG

## Certification Training Course 2024

Customer  
Information





# Course Details

## BCG Certification Training Course 2024



This highly interactive training course explains the QuantityWare (QW) BCG (Bulk Calculations - Gas) solutions' full capabilities. After successful course completion, you will receive the QW Gas Measurement Specialist BCG Certification, showing your ability to monitor, test, configure and extend quantity conversion solutions via the QW Gas Measurement Cockpit (GMC), leveraging the QW BCG customizing reference client. You will refine and deepen your existing knowledge concerning quantity conversions for LNG & dry Natural Gas, providing a foundation for designing optimized quantity value data flow in SAP Oil & Gas systems.

### Goals

- Understand and apply GMC capabilities.
- Configure measurement standards-based quantity conversions for SAP Oil & Gas systems.
- Understand 'Translation' needs between business measurement requirements and technical implementation
- Define production ready test scenarios ensuring stable production processes and fulfilment of GRC and Transparency obligations.
- Leverage the Project Assessment and Implementation Guidelines (PAIG)
- Obtain deep insights into dry natural gas and LNG measurement procedures
- Implement BCG into SAP Oil & Gas landscapes alone, or in parallel with BCP.

### Objectives

- Identify the most relevant gas measurement standards for LNG and dry natural gas products (high and low pressure)
- Set up unit of measure definitions for natural gas calculations
- Define Unit of Measure groups, reading groups & conversion groups for production
- Define production-ready conversion group test scenarios
- Print physical property data lists and explain quantity conversion results
- Define reading groups, range groups and conversion groups for:
  - LNG (Liquified Natural Gas)
  - Low Pressure Dry Natural Gas
  - High Pressure Dry Natural Gas
  - High Pressure Hydrogen Gas
- Perform chemical composition property calculations for LNG and dry natural gases
- Hold the final "Implementation Presentation"
- Obtain the BCG certification.

### Contents

- Unit 1: Gas Measurement Cockpit Overview
- Unit 2: Project Assessment & Implementation Guidelines
- Unit 3: Quantities, Dimensions & Units
- Unit 4: Natural Gas Property Conversions
- Unit 5: Natural Gas Measurement Standards
- Unit 6: Quantity Conversion Configuration
- Unit 7: Quantity Conversion Test Scenarios
- Unit 8: Basic Engineering Background: LNG & Dry Natural Gases
- Unit 9: Hydrogen Quantity Conversions
- Unit 10: Advanced Configurations: LNG
- Unit 11: Advanced Configurations: Dry Natural Gas
- Unit 12: Final Presentation
- NOTE: Condensate and NGL configurations will be briefly discussed, however they are not in scope of the BCG training; they are a part of the BCP training.

## Key Information

### Prerequisites

This is an EXPERT course. You MUST meet at least one of the following prerequisites:

- SAP Oil & Gas logistics applications Key user (e.g. TSW, Inventory Management, Transportation & Distribution) with strong SAP process knowledge
- Key user with strong engineering skills
- At least two years' experience as a technical consultant implementing SAP Oil & Gas solutions

### Dates

- An initial annual program schedule, registration and quote request are possible on the QW website.
- Visit [www.quantityware.com](http://www.quantityware.com), click "Our Solution" and then "Training Courses".

### Target Audience

- Audience: Industry gas measurement specialists (inventory managers, transmission controllers, inspectors, LNG schedulers)
- SAP consultants implementing SAP Oil & Gas logistics business processes

### Stats

- 5 days duration
- English language only
- 3 - 5 participants
- Location: Bruchsal, Germany (near Walldorf)

### Price

- 6000 Euro (excluding taxes).
- Travel, accommodation and meals are not included in the price. Refreshments and a light lunch are provided.