

USING



MODEL

Professional Certificate in
**ADVANCE CIVIL MEASUREMENT
PRACTICE IN OIL & GAS**



Global
Institute of
Quantity Surveying

GULF ORIENTED

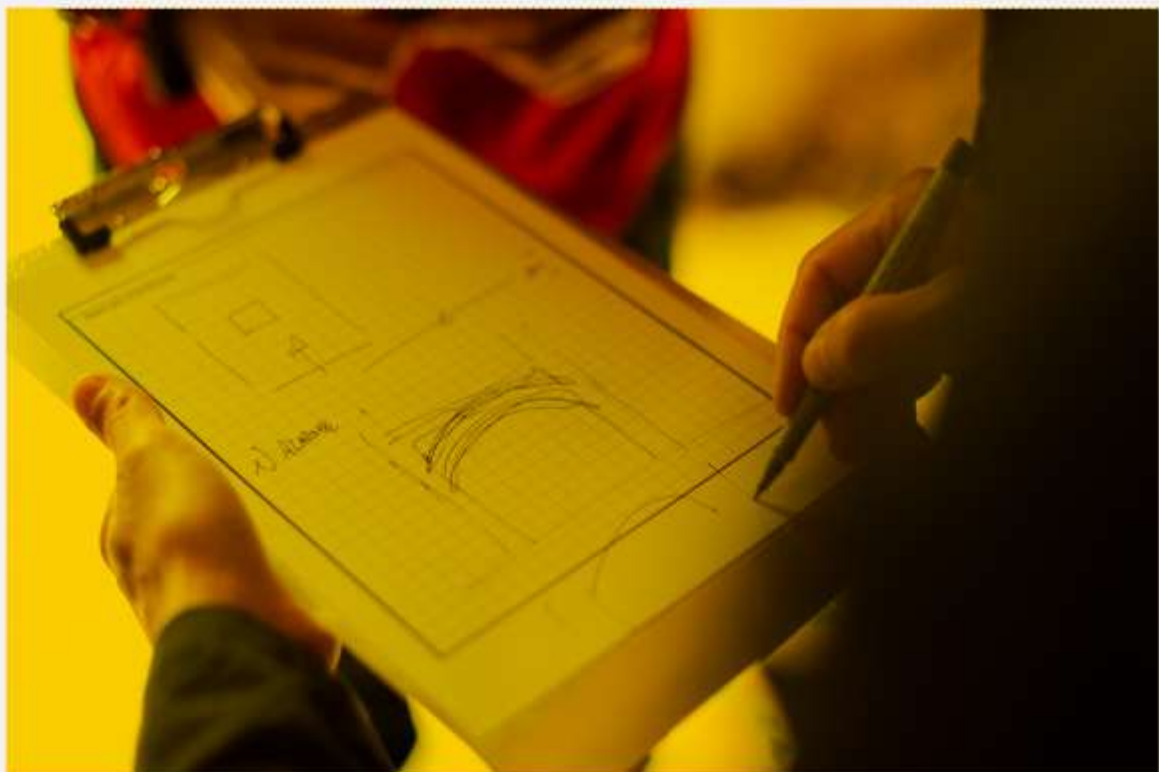
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COURSE OVERVIEW

The Advanced Civil Measurement Practice in Oil & Gas course is designed to provide professionals in the energy sector with a comprehensive understanding of advanced measurement techniques and practices relevant to civil engineering within the context of oil and gas projects. This course goes beyond the fundamentals, delving into sophisticated methodologies that are essential for accurate and efficient measurement in the dynamic and complex environments of oil and gas infrastructure.

By the end of this course, participants will have gained the knowledge and skills necessary to implement advanced measurement practices in civil engineering within the unique challenges posed by the oil and gas industry. This course is ideal for civil engineers, surveyors, project managers, and professionals involved in the planning, design, and construction of oil and gas infrastructure.



1 COURSE OUTLINE

A) Standard Method of Measurements

SMM7

POMI

NRM2

CESMM4

Qatar Standard Measurement of Building Works

Why We Need Standard Method of Measurements?

Format of the BOQ

Preambles

Query Sheet & Clarification

B) Quantity Take-Off for Building Works

Understanding of Middle-East Drawings

Preparation of Measurement Sheet for Various Items

Performing Quantity Take-Off

- Preliminaries

- Site Preparation (Cutting & Filling)

- Underground Survey

- Earthworks

- Concrete Works

- Grouting

- Embedded Steel

- Reinforcement Steel

- Formworks

- T and M Protection

- Masonry Works

- External Finishes

- Internal Finishes

- Doors and Windows

- Furniture

- Metal Works

Preparation of Tender Clarification

BOQ Preparation

1 COURSE OUTLINE

C) Quantity Take-Off for Other Major Structures

Understanding of Middle-East Drawings
Preparation of Measurement Sheet for Various Items
Performing Quantity Take-Off
 Piperack Foundations
 Platform Foundations
 Transformer Foundations
 Equipment & Package Foundations
 Drain Pits
 Pipe Supports
 Other Foundations and Civil Works
Preparation of Tender Clarification
BOQ Preparation

D) Quantity Take-Off for External Infrastructure

Understanding of Middle-East Drawings
Preparation of Measurement Sheet for Various Items
Performing Quantity Take-Off
 Road Works
 Slop Protection
 Paving and External Development
 Fencing Works
 Ramp Construction
 Storm Water Drainage Construction
 Culverts
 Crossovers
 Benchmarking
 Barriers
 Traffic Signages
 Windsock
 Other Minor Works
Preparation of Tender Clarification
BOQ Preparation

1 COURSE OUTLINE

E) Quantity Take-Off for Pipeline Related Civil Works

Understanding of Middle-East Drawings

Preparation of Measurement Sheet for Various Items

Performing Quantity Take-Off

- ROW

- Trenching Works

- Road Works

- Road Crossings

- Drainage Crossings

- Pipeline Crossings

- OHL Crossings

- Signages and Markers Installation

- Etc.

Preparation of Tender Clarification

BOQ Preparation

F) Quantity Take-Off for Electrical and Instrumentation Related Civil Works

Understanding of Middle-East Drawings

Preparation of Measurement Sheet for Various Items

Performing Quantity Take-Off

- Duct Banks

- Cable Trench Works

- Cable Duct, Warning Tape and Warning Mesh

- Various Manholes

- Normal & Deep Well Earth Pits

- Various Sleeves Installation

- OHL Pole Hole Drilling

- Etc.

Preparation of Tender Clarification

BOQ Preparation

2 WHO CAN ATTEND?

- ✓ Freshers
- ✓ Quantity Surveyors
- ✓ Civil Engineers
- ✓ Estimators
- ✓ MEP Engineers
- ✓ MEP Quantity Surveyors
- ✓ Mechanical Engineers
- ✓ Electrical Engineers
- ✓ Auto CAD Draftsman
- ✓ Document Controllers
- ✓ Cost Professionals
- ✓ Engineering Students
- ✓ Quantity Surveying Students
- ✓ Sub Contractors
- ✓ Freelancers
- ✓ Other Construction Professionals

3 OTHER INFORMATIONS

Course Duration

- ✓ Approx. 50 Hours
- ✓ 2 Months
- ✓ 3 Classes / Week, 2 Hrs each

Delivery Method

- ✓ Online Live Session (Via MS Team)
- ✓ Pre-Recorded Video Course

Medium

- ✓ Tamil
- ✓ English

You Will Get

- ✓ Powerpoint Slides
- ✓ Project Drawings
- ✓ Quantity Markup Drawings
- ✓ Measurement sheets
- ✓ Complete BOQ
- ✓ Real Working Templates & Formats
- ✓ GCC Data Bank
- ✓ Reference Books
- ✓ Completion Certificate

Method

USING



MODEL

4 SAMPLE CERTIFICATE



Global
Institute of
Quantity Surveying

Certificate of Completion

Your Full Name

Has successfully completed the course

**Professional Working Practice in
XXXXXXXXXXXXXXXXXXXX (Gulf Oriented)**

at Global Institute of Quantity Surveying (GIQS), Sri Lanka
in the month of August 2023 for 50 contact hours

Course Instructor

Course Director
Global Institute of Quantity Surveying



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Sri Lanka



Certificate No:
GIQS-CIVIL-09-2023-167
Verify this certificate
by emailing this certificate no to
courses@thegiqs.com



E - CERTIFICATE

Value addition to your resume

5 CONTACT INFORMATION

Want **New Skills?** Get in touch!



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