

ABU DHABI

UAE

22~23 NOV 2023

CTMC

Custody Transfer and Metering Conference

HIGHER SKILLS, BETTER MEASUREMENT



TEMPRETURE

PRESSURE

FLOW

DENSITY

PLC & SCADA

CTMC

Custody Transfer and
Metering Conference

HIGHER SKILLS, BETTER MEASUREMENT

CUSTODY TRANSFER

STRATEGIC CONFERENCE

CUSTODY TRANSFER & METERING CONFERENCE



22~23 Nov 2023



ABU DHABI, UAE

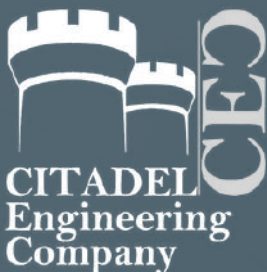
CTMC VISION AND MISSION



CTMC is a platform that provides opportunities for all stakeholders in the custody transfer and flow measurement industry to broaden their knowledge and discuss new techniques, as well as providing an opportunity for companies active in this field to gain direct access to primary stakeholders involved in detailing upcoming project plans, budget allocations, timelines, technical challenges and opportunities for your business.

Through a significant presence in each industry and geographical market our events leverage the latest insights to ensure they remain relevant and practical in today's business environment.

AN EVENT BY
**CITADEL
ENGINEERING
COMPANY**





ABOUT UAE

The United Arab Emirates (UAE) is one of a kind key area, flanking the Gulf of Oman and overlooking the southern way to deal with the Strait of Hormuz, an indispensable travel point for world oil.

The economy of the United Arab Emirates is the second largest in the Arab world (after the Economy of Saudi Arabia), with a gross domestic product (GDP) of \$407.52 billion in 2022 (nominal).

About 96% of the country's roughly 100 billion barrels of proven oil reserves are located in Abu Dhabi, ranking number six worldwide. The UAE produces an average of 3.2 million barrels of petroleum and liquids daily.

Hydrocarbons continue to play a critical role in the UAE economy, with 30% of the UAE's GDP directly based on oil and gas industry and 13% of its exports.

ABOUT ABU DHABI

The city of Abu Dhabi is the largest city in the United Arab Emirates (UAE) after Dubai. With a land area of 67,340 square kilometres, the Emirate of Abu Dhabi is also the largest emirate in the UAE, making up 87 percent of the total area of the UAE.

Abu Dhabi's economy is supported largely by natural resources. However, it is making efforts to diversify its economy by growing its non-oil knowledge-based sectors. The emirate of Abu Dhabi is ideally located for doing business with the rest of the world, with outstanding trade links with Africa, Asia and Europe.

The emirate is within an eight-hour flight of 80% of the world's population. For businesses looking to scale up, Abu Dhabi is the gateway to huge market opportunities, including emerging economies.

PARTNERS & SPEAKERS

- Ministry of Oil of the Republic of Iraq
- State Company For Gas Services
- Basra Gas Company
- North Gas Company
- Midland Refineries Company
- North Refineries Company
- South Refineries Company
- Oil Pipelines Company
- North Oil Company
- Basra Oil Company
- Maysan Oil Company
- Dhi Qar Oil Company
- Midland Oil Company
- KAR Group
- Bazian Power Plant
- Kurdistan Pipeline Company
- DNO
- HKN
- TAQA
- Rosneft Oil Company
- Gazprom
- Intertek
- BP
- ABB
- Baker Hughes
- Krohne
- Emerson
- General Electric



WHAT WILL BE PRESENTED IN CTMC

MINISTERIAL SESSION

The energy transition is driving many industries, including power and water utilities. What strategies do governments have in place to achieve net-zero? What are the challenges in implementing these strategies and how can they be overcome? Given the central role of Gas and Petroleum Products within so many industries, what steps are needed to futureproof electrical grids and Gas distribution systems and ensure utmost resilience?

The use of renewable energies has increased significantly over the past decade. However, this has led to a reduction in the amount of electricity generated by fossil fuels such as coal, gas and oil, thus reducing carbon emissions but also increasing costs for consumers.



GLOBAL LEADERSHIP PANEL

As the world's population continues to grow and improve living conditions, the demand for gas and petroleum products will increase. At the same time, utility companies are under pressure to decarbonize their operations. Although renewable energy is getting more affordable and competitive, its intermittent nature poses significant implementation challenges. What will be the driving offset factors: storage technology advancements, reliance on natural gas or hydrogen, or demand side management? What is the role of new technologies in the energy transition and how can they help improve efficiency and decrease emissions? What will enable reliable and resilient green electricity and water networks of the future?



INDUSTRY DEBATE

Flow computing has the potential to revolutionize the way we approach measurement systems, sampling and proofing. With this new platform, we'll need to check how OEMs will develop new methods and technologies that will allow government to better understand how their products are performing as they move through the supply chain. How Government also be able to work more closely with the partners, OEMs and customers to ensure that they have access to the best data possible.



WHAT TECHNICAL INFORMATION YOU WILL RECEIVE

DAY 1 FLUID AND GAS METERING SYSTEM AND FLOW METER TYPES

The oil and gas industry is one of the most challenging industries in which to work. The industry is reliant on technology innovation, as well as the ability to transfer custody of oil and gas from one company to another with minimal risk. The custody transfer process relies heavily on the principles of flow, pressure, viscosity, volume, continuity and energy law (Bernoulli's).



In the world of liquid flow measurement, there are a lot of options. If you're looking for an ultrasonic flow meter, you can use magnetic flow meters. Positive Displacement (PD) Flow Meters, Venturi nozzles, pitot tubes and Coriolis flow meters are also good options. Rotor, oscillating piston and oval gear are all viable solutions for differential pressure (DP) flow meters.

DAY 2 FLOW MEASUREMENT SYSTEMS & CUSTODY TRANSFER

The purpose of flow meter calibration is to ensure that the flow meter is accurately measuring the quantity of product being measured. The flow configuration (flow profiles) must be known before calculating metering rates. Flows in pipelines are either laminar or turbulent.

It is important that this calibration be performed on a regular basis so that the flow meter will be accurate in measuring the correct amount of fluid being measured.

There are several different methods for calibrating a flow meter. The most common methods are master meter calibration, water draw calibration and gravimetric calibration.



WHAT TO EXPECT IN CTMC

- 400+ ATTENDEES
- 20+ SPONSORS
- 4 STRATEGIC PANELS
- 4 TECHNICAL PANELS
- 30+ PANELISTS
- OPEN DISCUSSIONS
- TECHNICAL DIALOGS
- TECHNICAL WORKSHOPS
- MANUFACTURER
EXHIBITIONS
- SHOWCASE AND DEMOS
- BUSINESS WORKSHOPS
- GLOBAL SUPPLIERS
- INTERACTIVE EVENTS



In this intensive two-day program, you will gather new technology innovation ideas and create new connections within the metering community.

You will learn about the latest innovations in metering. You can expect to hear from leaders in this field who will share their knowledge and experiences with you.

This program is an excellent opportunity for professionals to meet people in their field, network with their peers, and discuss new ideas.



Attendees gain an appreciation of the technical and economic aspects of the metering industry, terminology, features of O&G environments, business cycle as well as the Global context.





As the largest conference of its kind focusing on metering technology, CTMC 2023 will provide space for more than a hundred companies and international brands to participate and showcase the value they can bring to the industry.

The event will include presentations from leaders in the field of metering technology, including keynote speeches from experts in their fields. There will also be opportunities for attendees to network with other professionals and make connections that can help grow their business or career.

THIS CONFERENCE IS IDEAL FOR

- REGULATORY BODIES
- PROFESSIONALS AND ADVISORS
- CONTRACTORS
- O&G BUSINESS OWNERS
- METERING ENGINEERS
- EPC CONTRACTORS
- INTERNATIONAL OIL COMPANIES
- GAS OPERATORS
- ENDUSER AND CUSTOMERS
- GAS DISTRIBUTION COMPANIES

HIGHER SKILLS BETTER MEASUREMENT

- IOCs
- OEMs
- EPCs

SPONSORS

ABB

ABB IS A LEADING GLOBAL TECHNOLOGY COMPANY THAT ENERGIZES THE TRANSFORMATION OF SOCIETY AND INDUSTRY TO ACHIEVE A MORE PRODUCTIVE, SUSTAINABLE FUTURE. BY CONNECTING SOFTWARE TO ITS ELECTRIFICATION, ROBOTICS, AUTOMATION AND MOTION PORTFOLIO, ABB PUSHES THE BOUNDARIES OF TECHNOLOGY TO DRIVE PERFORMANCE TO NEW LEVELS. WITH A HISTORY OF EXCELLENCE STRETCHING BACK MORE THAN 130 YEARS, ABB'S SUCCESS IS DRIVEN BY ABOUT 105,000 TALENTED EMPLOYEES IN OVER 100 COUNTRIES.



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INVITATION OF PANELISTS

WHY TO BE A PANELIST

CTMC is a platform to bring together thought leaders with diverse perspectives, highlight Oil and Gas advocates, raise awareness and knowledge, and give us the opportunity to gather many business owners, technical entities, and governmental authorities to discuss the importance of metering and its' effect on the local and global market.

CTMC aims to be a global event where all stakeholders in the metering industry gather once every year in order to share their experiences, and find new solutions to challenges faced by them during their daily activities.

The main objective of the conference is to provide a platform for sharing knowledge, experience and best practices in order to have better measurement and export process that will bring the growth of economy in the region.

As a event organizer dedicated to quality, we want CTMC to be as high in quality as possible, hence we believe you can be an added value to this event. Your participation will help our development.



OUR PART

We are thrilled to invite you to participate as our panelist and discuss any of the panel topics you prefer. You can find the panel subjects in the following section.

We understand that many people are busy and need to prioritize their time, so we want to make this process as easy as possible for you.

All you need to do is browse through the list of topics that interest you, select one or more topics and provide us with a title and abstract of your topic(s), then we will take care of the rest! More than one hundred companies and international brands will be participating in this year's event, including Honeywell, ABB, Baker Hughes, PetroWeld and Citadel Engineering Company. We invite you to join us and experience first-hand the innovative solutions that we have to offer!

YOUR PART

We would be glad to hear your ideas and opinions about the event and the panels. We'd be also pleased to have you as our panelist. Please contact us on the Email below and we will refer back to you for further discussions. Please review the panel topics and the other attachments to have a clear vision of CTMC. We are looking forward to receive your kind confirmation.

HIGHER SKILLS, BETTER MEASUREMENT





CUSTODY TRANSFER & METERING CONFERENCE

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22nd_23rd Nov. 2023

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PANEL TOPICS

STRATEGIC PANELS:

1. The effects of the Russia-Ukraine war on the supply chain
2. Regulatory rules on UAE standardization
3. Risks And Opportunities of The Region
4. Business Sustainability in Middle East
5. Gas Export and Difficulties
6. International Oil Companies Impact on Standardization Process
7. The outlook on Region's energy sector development, Strengths, and weaknesses.

TECHNICAL PANELS:

1. Innovation and examples of innovative technologies in Metering
2. Challenges in adopting new technologies in Metering Systems
3. Fiscal Flow Measurement in the Real World
4. Full Insight into Coriolis Flow Meters
5. The Influence of Time Delays on Certain Systems
6. Chromatographs and Gas Metering Systems
7. Proving Systems, Indirect, Master Meter, Volume

In case you want to suggest any other related topic, please don't hesitate to send us an Email and share your ideas with us.

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AWARDS CEREMONY

The last day of the event is all about celebrating the best and brightest.

We are delighted to announce the award ceremony for the best article, best technology, and best R&D Company of CTMC. These awards will be chosen by the awards jury. We will also give out a special award to the person who has contributed the most to this event.



CTMC aims to provide a platform for networking among stakeholders, sharing best practices, identifying new business opportunities and forming collaborations with potential partners

AWARDS CATEGORIES

- SUSTAINABILITY

This category recognizes companies or individuals who are leaders in their field, and have made significant strides toward a more sustainable future.

- INNOVATION

This category recognizes companies or individuals developing unique and innovative new technologies, processes, or services.

- LEADERSHIP

This category recognizes individuals who have demonstrated exceptional leadership within their company or industry.



I'D PUT MY MONEY ON THE SUN AND SOLAR ENERGY. WHAT A SOURCE OF POWER! I HOPE WE DON'T HAVE TO WAIT UNTIL OIL AND COAL RUN OUT BEFORE WE TACKLE THAT.

Thomas A. Edison



Coming news - CTMC 2024



CTMC 2024

BELGIUM | BRUSSELS

Brussels is rich in history, architecture, gastronomy, culture and so much more! Warm, welcoming and quirky, Brussels is a bustling city where there's always something going on. Visit us to discover hidden gems and meet people with hearts as big as this vibrant city.

The economy of Belgium is a modern, capitalist economy that has capitalised on the country's central geographic location, highly developed transport network, and diversified industrial and commercial base. Huge investments have been made in infrastructure, business and trade centres.

The capital has been the financial heart of Belgium and a major commercial centre ever since the private and powerful holding companies were established there starting 18th century.

Today Brussel's rank as the most populous region in the country, its status as the federal capital and the seat of the EU, and its great concentration of service industries make it the most important growth engine of Belgium.