



RE049: Energy Storage and Green Hydrogen Conferences

Training Description:

This intensive training course delves into the critical technologies of energy storage and green hydrogen, exploring their roles in the transition towards a sustainable energy future. Participants will gain a comprehensive understanding of the latest advancements and applications in these fields, along with insights into the economic and policy landscapes shaping their development.

Training Objectives:

By the end of the training, participants will be able to gain an in-depth understanding of:

- **Energy Storage:**
 - ✓ Analyze the drivers and challenges of integrating renewable energy sources into the grid.
 - ✓ Evaluate different energy storage technologies (e.g., batteries, pumped hydro) and their functionalities.
 - ✓ Assess the economic viability and applications of energy storage solutions across various sectors.
 - ✓ Explore market trends and regulatory frameworks impacting energy storage deployment.
- **Green Hydrogen:**
 - ✓ Explain the production methods of green hydrogen through electrolysis using renewable energy sources.
 - ✓ Evaluate the potential of green hydrogen as a clean fuel for transportation, industry, and power generation.
 - ✓ Analyze the infrastructure requirements and challenges associated with a green hydrogen economy.
 - ✓ Identify current and emerging applications of green hydrogen in different sectors.
- **Conferences:**
 - ✓ Develop effective strategies for navigating and maximizing value from attending energy storage and green hydrogen conferences.
 - ✓ Learn how to identify relevant conferences, network with industry professionals, and gather valuable insights.
 - ✓ Practice effective communication skills to engage with experts and potential collaborators.

Training Designed for:

This course is intended for the following professionals:

- Engineers and project developers working on renewable energy integration
- Utility personnel involved in grid modernization and energy storage deployment
- Policymakers and regulators shaping the energy landscape
- Investors and analysts evaluating opportunities in the clean energy sector
- Business development professionals exploring green hydrogen applications
- Sustainability professionals seeking knowledge of clean energy solutions

Training Requirement:

“Hand’s on practical sessions, equipment and software will be applied during the course if required and as per the client’s request.”

Contents can be adapted to your specific wishes. It is therefore possible to focus on specific modules of the training course as per client's learning needs and objectives. Further, it should be forwarded to us a month prior to the course dates.

Training Program:

DAY ONE:

❖ Introduction to Energy Storage and Green Hydrogen

- The urgency of energy transition and the role of storage and green hydrogen
- Fundamentals of energy storage technologies and their applications
- Green hydrogen production methods and potential for decarbonization
- Introduction to energy storage and green hydrogen conferences

DAY TWO:

❖ Deep Dive into Energy Storage Technologies

- Technical aspects of various storage technologies (e.g., batteries, pumped hydro, compressed air)
- Economic considerations and cost analysis of energy storage solutions
- Case studies of successful energy storage implementations in different sectors
- Identifying relevant conferences on energy storage advancements

DAY THREE:

❖ Green Hydrogen Production and Applications

- Electrolysis technology for green hydrogen production using renewable energy
- Exploring the applications of green hydrogen in transportation (fuel cell vehicles)
- Utilizing green hydrogen for industrial processes and power generation
- Identifying conferences focused on green hydrogen development and deployments

DAY FOUR:

❖ Market Trends and Policy Landscape

- Economic viability and market outlook for energy storage and green hydrogen
- Regulatory frameworks governing energy storage deployment and green hydrogen infrastructure
- Financial incentives and investment opportunities in the clean energy sector
- Strategies for staying up-to-date through conferences and industry events

DAY FIVE:

❖ Conference Participation Strategies and Networking

- Pre-conference planning: identifying relevant sessions and speakers
- Effective communication and networking with industry professionals at conferences
- Techniques for maximizing value gained from conference presentations and discussions
- Course wrap-up, key takeaways, and future advancements in energy storage and green hydrogen

❖ Course Conclusion

❖ POST-ASSESSMENT and EVALUATION

Training Methodology:

This interactive training course includes the following training methodologies as a percentage of the total tuition hours:

- 30% Lectures, Concepts, Role Play
- 70% Workshops & Work Presentations, Techniques, Based on Case Studies & Practical Exercises, Gamification, Software & General Discussions
- Pre and Post Test

Training Certificate(s):

CMCT Internationally recognized certificate(s) will be issued to each participant who completed the course.

Training Fees:

TBA as per the course location - This rate includes participant's manual, hand-outs, buffet lunch, coffee/tea on arrival, morning & afternoon of each day.

Note: The 5% VAT (Value Added Tax), will be effective starting 01st of January 2018 as per the new regulation from the UAE Government. The VAT applies for all quotation both for local and abroad.

Training Timings:

Daily Timings:

07:45 - 08:00	Morning Coffee / Tea
08:00 - 10:00	First Session
10:00 - 10:20	Recess (Coffee/Tea/Snacks)
10:20 - 12:20	Second Session
12:20 - 13:00	Recess (Prayer Break & Lunch)
13:00 - 14:00	Last Session

For training registrations or in-house enquiries, please contact:

Aisha Relativo - Training & Career Development Manager

aisha@cmc-me.com / training@cmc-me.com

Tel.: +971 2 665 3945 or +971 2 643 6653 | Mob.: +971 52 2954615