

Preliminary Programme for the 19th thyssenkrupp nucera

CHLORINE SYMPOSIUM, 25th – 26th September 2025, Hyatt Regency Hotel in Cologne

Thursday, 25th September

Registration & Get-together at Hyatt Regency Hotel, Cologne

08:30

OPENING SESSION

Moderator:

Welcoming Address

1 Welcoming Address

Speaker

C. Schmitt

(C. Schmitt)

(R. Beckmann/K. Ohlig)

Time

09:30 - 09:40

09:40 - 10:00

TECHNOLOGY SESSION I

2 Chlor-Alkali electrolysis market overview

(S. Karrenbrock)

10:00 - 10:20

A. *Panel discussion*

(C. Schmitt)

10:20 - 10:35

Coffee Break

20 minutes

10:35 – 10:55

TECHNOLOGY SESSION II

Moderator:

3 Latest development on e-BiTAC v7

(T. Hamada)

10:55 - 11:20

4 BM Generation 7: Stronger Performance, Smarter Maintenance,
Superior Resilience

(S. Stürmer)

11:20 - 11:40

5 Improving electrolyzer lifetime - Electrical & Operational Safety Aspects

(R. Kiefer)

11:40 - 12:00

6 Expanding skid-mounted solutions portfolio

(S. Gabbiadini)

12:00 - 12:20

B. *Panel discussion*

(G. Henßen)

12:20 - 12:40

Lunch Break

12:40 – 14:00

SERVICE SESSION

Moderator:

U. Bäumer

7 Service

a) thyssenkrupp nucera's 360° Lifecycle Service -
Your Partner for the Complete Plant

(D. Bergs)

14:00 – 14:20

b) Revamp and Service concepts

(A. Werthmann)

14:20 – 14:40

c) External: Piping in Membrane Electrolyzer Catholyte Circulation Loops

(S. Ottobre)

14:40 – 14:55

d) Path to Renewal: A Unified Effort to Restore Plant Operations

(A. Strano/Y. Tokmagambetov (external))

14:55 – 15:15

C. *Panel discussion*

(U. Bäumer)

15:15 – 15:30

PRODUCT SESSION I

Moderator:

M. Arkenau

8 Product

a) Unlocking execution flexibility for your projects

(G. Pichetta)

15:30 – 15:50

b) State of the art plant engineering for Chlor-Alkali

(G. Henßen)

15:50 – 16:10

c) Increasing grid stability – Flexible load operation

(S. Kirschner)

16:10 – 16:30

D. *Panel discussion*

(M. Arkenau)

16:30 – 16:45

Coffee Break

15 minutes

16:45 – 17:00

9 External: Industrial Flexibility in the German Power Market:
Opportunities and broader Outlook

(M. Preuß)

17:00 – 17:45

GET Together & DINNER in Kölsch Pub

Friday, 26th September

PRODUCT SESSION II

Moderator:

R. Beckmann

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|----------------------------|---|-----------------|-----------------------------|
| 1 | CAPEX/ OPEX strategies for new Chlor Alkali installations | (M. Mladenovic) | 09:00 – 09:20 |
| 2 | HCl-ODC v2 - Proven performance for energy efficient electrolysis | (J. Osiewacz) | 09:20 – 09:40 |
| A. <i>Panel discussion</i> | | | (R. Beckmann) 09:40 – 09:50 |

DIGITALIZATION SESSION

Moderator:

U. Bäumer

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|----------------------------|--|-------------|---------------------------|
| 3 | Digitalization and Automation | | |
| | a. nca administrator - Solution for Integrated Electrolyzer Management | (D. Bergs) | 09:50 – 10:10 |
| | b. Digitalization and automation of electrolysis plants | (D. Wagner) | 10:10 – 10:30 |
| B. <i>Panel discussion</i> | | | (U. Bäumer) 10:30 – 10:40 |

Coffee Break

20 minutes

10:40 – 11:00

MIXED SESSION

Moderator:

C. Schmitt

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| 4 | Coating for CA applications – operation experience and developments | (D. Krekel/A. Cremonesi) | 11:00 – 11:20 |
| 5 | External: Chlor-Alkali Innovation and Technology | (W. Béatse) | 11:20 – 11:40 |
| 6 | External: New FLEMION™ F-9060 Updates for tk nucera Electrolyzers | (Y. Hisada) | 11:40 – 12:00 |
| C. <i>Panel discussion</i> | | | (C. Schmitt) 12:00 – 12:15 |
| 7 | Closing address | (R. Beckmann) | 12:15 – 12:30 |

Farewell & Fingerfood

12:30 – 14:00