

JUNE 5-8TH 2023

# **EUsalt Annual Events**

Marseille, France



# Foreword

Dear participant,

It is with great pleasure that, as EUsalt President, I welcome you to the 2023 EUsalt Conference. After last year's gathering in the beautiful Bavarian Alps, it is fantastic to be able to meet in person again and engage face-to-face to exchange views on the industry's most topical matters. This exceptional event, set in the Mediterranean bay of Marseille, is a special opportunity to connect and discuss the future of our sector. Innovation, energy, nutrition, health and occupational safety are the exciting topics which will be addressed by EUsalt members and the Conference panelists. A great speaker selection including industry, academia and relevant stakeholders will share insights and expertise.

The Conference will be complemented by various breaks including a sightseeing day providing participants with quality networking and relaxation time.

I would like to sincerely thank Groupe Salins for kindly hosting us as well as our sponsors – SEP Salt & Evaporation Plants Ltd., Titan Salt, Salt Partners, EVATHERM, Tema Process and Ferrum – for supporting the event.

I wish you fruitful discussions and a pleasant stay in Marseille.

***Dr Urs Ch. Hofmeier***

***EUsalt President***



# Competition law rules

All EUsalt meetings need to be conducted in accordance with the relevant competition and antitrust laws.

Members are therefore reminded that they will at all times refrain from discussing any information which is confidential to their company and/or which is likely to affect the commercial strategy or activities of these companies.

They are in the best position to judge what is, and what is not, commercially sensitive or confidential and so responsibility lies with them in the first place.

They are also reminded not to discuss topics outside the previously circulated and reviewed agenda.

Failure to follow these guidelines may bring with it serious consequences for them as an individual, their companies and trade association.

Such consequences include heavy fines and in certain cases, under national laws, the imposition of criminal penalties and sentences.

# Internal meetings

**June 5th 2023**

**Nhow Hotel Marseille, Salon Cagole meeting room**

17:00 - 18:00 | **Analytical Committee meeting**

19:00 - 20:30 | **Welcome Cocktail**

**June 6th 2023**

**Nhow Hotel Marseille, Salon Canaille 4 meeting room**

Monday 5th and Tuesday June 6th will be dedicated to EUsalt Committee and Working Group meetings with experts and representatives from the health and safety, food and feed, sustainability and related sectors gathering to discuss various topics of relevance in their field of expertise. The day will be concluded by a Board meeting and then a cosy dinner at the Hotel restaurant.

09:00 – 10:00 | **Sea Salt Working Group**

10:15 – 11:15 | **Sustainability Committee meeting**

11:30 - 12:30 | **De-icing Working Group**

12:30 – 13:30 | **Lunch Break**

13:30 – 16:30 | **Health & Safety Committee meeting**

13:30 – 15:00 | **Food and Feed Working Group**

15:30 – 16:30 | **Water Treatment Working Group**

16:30 – 18:00 | **Board meeting**

19:30 - 22:30 | **Pre-conference dinner** - members and speakers only  
(Nhow Hotel Marseille restaurant)

© Nhow Hotel Marseille



Canaille 4 meeting room



Nhow Hotel Marseille restaurant



# Conference programme

June 7th 2022

Nhow Hotel Marseille, Salon Canaille 4 meeting room

08:45–09:30 | **EUsalt General Assembly (EUsalt members only)**

09:30 - 10:00 | *Coffee Break*

10:00–10:15 | **Welcoming words** - **Urs Ch. Hofmeier**, EUsalt President and **Hubert Francois**, EUsalt Board Member

## Session 1

(10:15-12:40)

**Format: Presentations followed by a Q&A session.**

10:15 –10:30 | **Salarium movie presentation** - **artist Ruth Lyons**

10:30 - 11:00 | **'SEArcularMINE: Circular processing of saltworks bitterns for recovery of valuable raw materials'** - **Prof. Andrea Cipollina, University of Palermo, Italy**

11:00–11:30 | **'Salt and innovation in energy': presentation on salt batteries** - **Dr. Akane Hartenbach, Battery Consult AG**

11:30 –12:30 | **Innovation Award presentations**

12:30 - 13:30 | *Lunch break & networking*

## Session 2

(13:30-14:30)

**Format: Presentations followed by a Q&A session.**

13:30–14:00 | **Gold sponsors' presentations** (**Titan Salt, Salt Partners**)

14:00–14:30 | **'Plant based foods, meat alternatives and their impact on feed and food salt use'** - **Dr. Stefan Schlag, Salt Market Information**

14:30 - 15:00 | **'Think Outside The Box: Unlocking Growth in Challenging Times'** - **Dr Peter Kreuz, Rebels at Work**

15:00–15:30 | *Networking coffee*

**Format: Presentations followed by a Q&A session.**

**15:30–16:00 | 'Navigating the Regulatory Landscape with Foresight and Scenario Building: Enhancing Sustainability, Health, and Safety in the EU Salt Industry' - [Yuri Bruinen de Bruin](#), founder and former President of the European Chapter of the International Society of Exposure Science (ISES-Europe)**

**16:00–16:30 | Safety Award presentations**

**16:30–17:00 | Gold sponsors' presentations ([Evatherm](#), [SEP](#))**

**17:00–17:15 | Innovation and Safety Awards: Result and closure by EUsalt Managing Director**

**19:30–22:30 | Gala Dinner at La Nautique restaurant in Marseille harbour**









# Speakers



**Ruth Lyons** is an Irish Artist based on the west coast of Ireland. Lyons creates large scale works for galleries and public spaces, her works are concerned with landscape and deep time. Lyons has been working with salt since 2014 as part of Salarium, an expansive project that explores salt as the literal and figurative bedrock of Europe. Public works include, Superunification, Dublin, 2022, Iontaise Iontas, Wicklow, Ire, 2019. Ruth Lyons artworks are included in the collections of the OPW, National Gallery of Ireland and Arts Council of Ireland.



**Prof. Andrea Cipollina** is a Full Professor of Chemical Engineering at the Università di Palermo. His research Interests focus on water desalination and renewable energy technologies, Salinity Gradient Power processes, and valorisation of brines of natural or anthropic origin. In particular, he is currently coordinating the EU project SEArcularMINE, aiming at the "Circular processing of seawater brines from saltworks for recovery of valuable raw materials".



**Dr Akane Hartenbach** studied chemistry at the Université de Neuchâtel (Switzerland) and completed her education with a PhD in analytical chemistry in the Department of Environmental Sciences at the ETH Zürich in 2008. After an internship at the Swiss Federal Office of Energy in the Technology Transfer Unit, she is part of the Battery Consult salt battery R&D Team in Meiringen since 2011.



**Robert van Voorst (Titan Salt Netherlands - sponsor)** holds a Bachelor Degree in Mechanical Engineering and a Master's Degree in Business Administration. He has 25 years advanced expertise in metallurgy, welding technology, evaporation, crystallization, drying and equipment fabrication. During his career he has done extensive research in the field of optimizing salt plants. His in-depth expertise in the installation, modification and maintenance of various salt plants make him an ideal business partner for a wide range of complex and demanding projects.





**Vladimir Sedivy (Salt Partners - sponsor)** received his MSc degree in chemical engineering (with honours) at the Institute of Chemical Technology in Prague and a PED diploma at the Institute of Management Development in Lausanne. He built petrochemical plants with Badger in London and evaporation plants with Sulzer Escher Wyss in Zurich. His interest in salt started in 1973 when he became a manager of salt projects in Africa and South America. He invented the HYDROSAL salt purification process with hydroextraction of impurities in 1978. In 2003, he established Salt Partners. Under his management, Salt Partners carried out consultancy assignments for Governments, Banks and global corporations and built SOLARSAL and HYDROSAL salt production and processing plants worldwide.



**Dr Stefan Schlag** is a salt market expert. In 2022 he started his own business – Salt Market Information. The company publishes a global salt market report, and provides consulting services for producers, traders and investors. Before starting his own business, Stefan worked for 20 years for S&P Global and predecessor companies, where he headed the mineral and inorganic chemical market research.



**Dr Peter Kreuz** is an agenda-setting author, entrepreneur and founder of 'Rebels at Work'. He was a manager at Andersen Consulting and a professor at the Vienna University of Economics. He holds an MBA and a PhD in business strategy. The Financial Times wrote about him: "He is like a match that ignites breakthrough thinking".



**Yuri Bruinen de Bruin** is an experienced professional in international strategy development and implementation and well-versed in dossiers related to climate neutrality, green chemicals, circular economy, and One Health. Over the years, he held various ad-interim positions within European Institutions, the European Council of Chemical Industries, the Dutch Institute of Public and Environmental Health, and Academia. These roles have given him the opportunity to manage strategic knowledge, research programmes and projects. He collaborated on the creation and implementation of strategies and action plans in partnership with prestigious organizations such as the European Union, African Union, World Health Organization, United Nations, Trade Organisations and specific countries.



**Christian Weber (Evatherm - sponsor)** was born on the 6th of May 1989. After an apprenticeship as laboratory technician at a pharmaceutical company located in Basel. He worked for several years in process research department before studying chemistry at the university of applied sciences in Muttens as well as at the University of Basel. From 2020 he holds a position as a process and sales engineer at Evatherm. He is responsible for the process design and process support during commissioning of new plants.



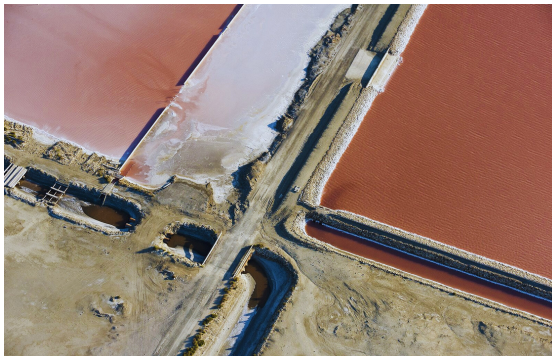
**Kerstin Hirsch (SEP - sponsor)** holds a Dipl.-Ing. degree (Master of Engineering) in Chemical Engineering from the Technical University of Karlsruhe (2005). In her seventeen years of involvement in the design, startup and troubleshooting of evaporators and crystallizers she has designed and commissioned several plants and has been consulting and supporting clients all over the world in her position as Sales Manager and now as Business Development Manager for thirteen years. One of her specialities is the brine purification process and waste water treatment with recovery of valuable products.







# Social programme



© Salin-de-Giraud

After two intense meeting days, participants will get the chance on **Thursday June 8th** to visit the picturesque Salin-de-Giraud, one hour and half away from Marseille. The visit will be combined with an aperitif at the panoramic view point and a lunch by the stunning saltworks.

**All registered participants are requested to meet at 8:00 am at the meeting point Nhow Hotel. Departure by bus for the saltworks at 8:30 am sharp.**

## Thursday June 8th 2022

**8:00** | Meeting point at Nhow Hotel  
**8:30** | Departure for the Salins de Giraud  
**10:30 - 12:00** | Visit of the Salins de Giraud salt plant and wine tasting  
**12:00** | Departure for the restaurant  
**12:30** | Lunch at the restaurant 'La Grand Ponche' and discovery of the Camargue culture  
**14:45** | Departure for Marseille  
**16:00** | Back at Hotel Nhow Marseille



© Salin-de-Giraud



© Flickr

On **Wednesday June 7th**, while the EU salt Conference will be in full swing, spouses and partners will be able to enjoy a nice day trip organised by Groupe Salins. A scenic visit of the harbor of Marseille and rocky inlets (calanques) by boat.

**All registered spouses/partners are requested to meet at 08:45 the hotel lobby. Departure by bus at 09:00 sharp.**

## Wednesday 7th June 2023

**08:45** | Meeting point at Nhow Marseille lobby  
**09:00 - 14:00** | Departure from Nhow Hotel Marseille with a local guide, visit of the harbor of Marseille and rocky inlets (calanques) by boat. Seafood and white wine will be served for lunch. Back-up plan is foreseen in case of bad weather (MuCEM museum and guided city tour).  
**14:00** | Back to the harbor and free time  
**16:30** | Transfer back to Nhow Hotel

**The social activities are organised by Groupe Salins.**

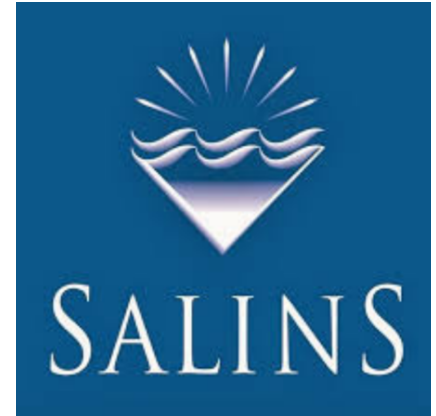


# Host

**Groupe Salins** is one of the main European salt producers and the only pure salt producer dedicated exclusively to the production and marketing of salt.

It is also the only European player to master and implement the 3 salt production techniques - solar, thermal and mining. It can supply salt in all its forms, raw or elaborated, and for all applications: human food, agriculture, chemicals, snow removal, water treatment and other industrial activities.

Groupe Salins has existed for more than 160 years and today has 2,200 employees who work every day, in a responsible development approach, to offer high quality salt and contribute to the success of industrial customers and consumer satisfaction.



Thanks to this expertise, the Groupe's production capacity amounts to 4 million tons of salt per year, in its industrial facilities in France, Spain, Italy, Portugal, the Netherlands, Denmark, Sweden, Slovenia, Tunisia and Senegal. As for its logistics and commercial activity, it goes beyond the simple borders of the countries where the Groupe is present and shines internationally.



© Groupe Salins

# Sponsors

## Gold



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+31 515 548 200

**Titan Salt** is committed to upgrade and prepare salt plants for the future, creating innovative solutions to help salt plants rise above. It is their mission to help salt plants become easier to operate, more sustainable and energy efficient. Titan Salt recognises the current void of innovation, knowledge, and experience in the salt industry, which is why our company thrives to make a difference. Their multidisciplinary team has years of experience in design, fabrication and operations within the salt industry. Titan Salt takes pride in developing and implementing ingenious solutions to not only produce mineral salt, but also perfect the treatment of brine and industrial waste water. Titan Salt delivers cost-effective, durable and high-performing systems, going above and beyond expectations. The company has its own production facility, site support staff and installation crew to manage turn-key projects.

## Gold



[www.sepwin.ch](http://www.sepwin.ch)

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**SEP Salt & Evaporation Plants Ltd.** offers great expertise in engineering and supply of evaporation and crystallization plants for the chemical, pharmaceutical and food industries using a wide range of evaporators. The treatment of process waste water as zero liquid discharge process or with recovery of valuable products is one of SEP's main emphasis. With the help of their R&D department, new process routes are developed from complex feed stocks within SEP's own laboratory and pilot equipment. SEP services include conceptual design; lab tests; basic and detailed process design; Cap Ex/Op Ex estimate; civil and electrical design; firm Cap Ex/Op Ex determination; procurement and supply of key equipment and turn-key plants; erection, commissioning and training as well as trouble shooting and consulting. SEP's mission is to generate more sustainable, efficient and high-quality production for global industry.

## Gold



### **Salt Partners**

*Turning salt into gold*

[www.saltpartners.com](http://www.saltpartners.com)

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**Salt Partners** are independent consultants and engineering contractors, active in the field of salt production, processing and hypersaline biotechnology. Salt Partners' world-wide reputation is based on more than 45 years of experience gained in salt and chloralkali projects implemented around the world. Most of these projects are based on technologies invented by Vladimir M. Sedivy, the founder of Salt Partners.

They strive to develop innovative technologies that are inexpensive, yet achieve the highest levels of salt quality. They apply their technologies and know-how to establish new salt production facilities, improve the profitability of existing saltworks and reduce the cost of salt use in the industry. They focus on detailed analysis of the resources available and select the most profitable implementation option. They supply technology and equipment and build salt plants worldwide.

## Gold



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**EVATHERM** is a group of companies with worldwide activities in the field of process engineering focused on evaporation and crystallization. Within a short time, the company has developed into a medium size contractor and as a result of its comprehensive technological know-how, is now established in the international market with a top ranking among the leading suppliers of evaporation and crystallization plants. The applications of EVATHERM's technology are as versatile as the chemical industry itself. EVATHERM's evaporation and crystallization systems are used in many diverse operations in the processing of numerous inorganic and organic substances for chemical firms. Reliable technology and well-functioning plants are the company's strength. EVATHERM's engineers are continuously improving the company's expertise by innovative research and development of new technologies. EVATHERM continues to improve the existing technology in order to achieve higher energy efficiency, better product quality and reduced operating costs.



## Silver



**TEMA Process B.V.** is a specialised design and manufacturing company for Fluid Bed Systems for drying of minerals, chemicals, food, feed, biomass, etc. The TEMA Fluid Bed can be applied not only for drying, but also for cooling, roasting, torrefaction, puffing, blanching, stripping, spices and herbs sterilisation and pasteurisation and calcining.

TEMA Process B.V. is a young Company but its management and employees have many years of experience in the design and manufacturing of thermal and physical process equipment, mainly fluid bed dryers / coolers with associated equipment & plants.

To prepare for further growth, TEMA Process BV in May 2017 has moved to its new engineering ( 1800 m2) and production ( 8000 m2) facility in Wapenveld. The new facility was built under management of TEMA Process BV and is totally fit for manufacturing of fluid bed dryers, coolers and associated equipment.

[www.temaprocess.com](http://www.temaprocess.com)

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+31 88 5225800

## Silver



**The Ferrum Group** combines the two subsidiaries Ferrum Packaging AG and Ferrum Process Systems AG and provides innovative products and services with unbeatable quality. The Ferrum Group is headquartered in Switzerland and has partner companies and representatives all over the world. The range of products and services offered by the Ferrum Group is broadly diversified and is used by numerous industries. Worldwide operations on all continents, solid internal financing, and financial independence all ensure that the group is well positioned with an excellent outlook for the future.

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# Practical information

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## Hotel and meeting venue address

### Nhow Hotel Marseille

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Président John Fitzgerald Kennedy  
13007 - Marseille  
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## Taxi services

### Taxi Radio Marseille

Tel.: +33 4 91 02 20 20  
[www.taximarseille.com/](http://www.taximarseille.com/)

### Les taxis marseillais

Tel.: +33 4 91 92 92 92  
[www.lestaxismarseillais.fr/contactez-nous/](http://www.lestaxismarseillais.fr/contactez-nous/)

## Social media

Want to communicate on social media networks about your attendance at the EUsalt Annual Events? Great! Make sure you use the dedicated hashtag **#EUsaltConference2023** and tag EUsalt on your social media postings.



@EUsalt

# About EUsalt

**EUsalt is the association of crystallised salt producers located in 18 countries from Europe and beyond. Europe is the second largest salt producing region in the world and EUsalt, through its members, represents 77% of the total European salt production.**

Our members have a combined turnover of more than 1.5 billion euros and employ nearly 9 000 people.

**Our vision** is to be the authoritative voice of the salt industry in Europe in advocacy and to educate and communicate the values and benefits of salt as an essential building block for the chemical industry and the energy sector and as a vital mineral for health, safety and nutrition.

**Our mission is:**

- To promote the wide variety of uses for salt as a vital mineral in chemical transformation, energy storage and transition, health, nutrition, road safety, water treatment and many other applications.
- To highlight the socio-economic benefits and environmental sustainability of salt production technologies and applications by demonstrating their positive value and impact on society.
- To foster a European regulatory and business environment favorable to long term growth and innovation to secure a sustainable future for the salt sector and its down-stream applications.
- To contribute to major debates at European level by providing facts and guidance on public policy and regulatory issues that impact the salt sector.







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