

WHEN CHEMICALS PERFORM THE BEST!



LIVE WEBINAR

CHEMICAL LEASING:

THE PERFORMANCE-BASED BUSINESS
MODEL FOR SUSTAINBLE CHEMICAL
MANAGEMENT



www.chemicalleasing.org



UNITED NATIONS
INDUSTRIAL DEVELOPMENT ORGANIZATION

BACKGROUND

The migration to a service-based economy is leading to a fundamental shift in manufacturing industries towards business models in which the service component of products is becoming dominant. This paradigm shift is giving way to different business models of circular economy that emphasize the idea of product to service. Chemical Leasing is a performance-based business model and that fully responds to this new concept and the overall principles of circular economy.

Furthermore, Chemical Leasing is a business solution for sustainable chemicals management and effectively addresses the different sustainability dimensions of chemical use. The model strives for a triple win situation for the partners involved, as well as for the environment. It aims at simultaneously creating financial, environmental and human well-being, as well as increasing the efficient use of chemicals improving the overall performance of participating companies. The United Nations Industrial Development Organization (UNIDO) promotes Chemical Leasing with the direct support of the Austrian, German and Swiss Governments.

The UNIDO Global Chemical Leasing Programme was established to support enterprises in enhancing resource efficiency, handle chemicals safely and enhance sustainable business practices. UNIDO together with its partners organized Global Chemical Leasing Awards in 2010, 2012, 2014 and 2018. The 5th Global Chemical Leasing Award 2020 will take place in Germany in October 2020 and will acknowledge best practices in performance-based business models for chemicals management, such as Chemical Leasing and its implementation. For more details see: www.chemicalleasing.com

WEBINAR DESCRIPTION

This webinar is specially tailored to train consultants, National Cleaner Production Centres (NCPCs), companies and students on Chemical Leasing key elements, benefits and implementation and inform about how to apply for the Global Chemical Leasing Award 2020. Participants will gain a better understanding of Chemical Leasing principles and develop skills for introducing and applying Chemical Leasing in practice.

The webinar comprises three modules with a duration of 2 to 3 hours each:

MODULE 1: Key elements and benefits of Chemical Leasing (a performance-based business model for chemicals management)

Target audience: NCPCs, consultants, companies and students

When: Tuesday 14 January, 2020 (duration of 2 h).

What: Participants will get familiar with Chemical Leasing (key elements and successful examples of application in companies) as well as with the Global Chemical Leasing Award 2020.

MODULE 2: The Global Chemical Leasing Award

Target audience: NCPCs, consultants, companies and students interested in applying to the global Chemical Leasing Award 2020.

When: Tuesday 14 January, 2020 (duration of 2.5 hours).

What: Participants will get familiar with the Global Chemical Leasing Award, applicants identification and award application process.

MODULE 3: Implementation

Target audience: NCPCs, consultants and companies interested in applying Chemical Leasing. Students interested on how to implement the model can participate too.

When: Wednesday 15 January, 2020 (duration of 3 hours).

What: Participants will get familiar with the methodology of introducing Chemical Leasing at company level and learn about the specific challenges and opportunities for its specific applications. Furthermore, the participants will be informed about how to apply for the Global Chemical Leasing Award 2020.

Participants may choose to take part in the module(s) of their preference. A UNIDO certificate of attendance will be awarded upon successful participation in the module(s).






The Webinar schedule and short biographies of the trainers are provided in the Annex.

Please note that the given modules are delivered twice a day, in morning and afternoon sessions. This will allow participants from around the globe to choose the most convenient time (the Webinar schedule is displayed in GMT +1).

Active involvement of participants through question and discussion rounds is an important element of the training.

TRAINERS

The highly qualified trainers bring first-hand experience and detailed Chemical Leasing knowledge to the training:

-  Ms. Petra Schwager, Coordinator of UNIDO's Global Chemical Leasing Programme
-  Mr. Reinhard Joas, International Expert for UNIDO's Chemical Leasing Programme
-  Ms. Vojislavka Satric, International Expert for UNIDO's Chemical Leasing Programme
-  Mr. Branko Dunjic, Director of the National Cleaner Production Centre of Serbia
-  Mr. Luis Umanzor Hernandez, Project Associate on Chemical Leasing and Sound Chemical Management at UNIDO

REGISTRATION

Please submit your application per e-mail to Ms. Maria Grineva:

chemicalleasing2020@gmail.com

Please indicate your name, country, organization/university and previous experience in Chemical Leasing, if any.

Deadline for applications is Monday 13, January 2020.

DAY 1 (*Morning sessions*)

Webinar – Tuesday 14 January, 2020

Time	Presenters	Module 1: Key elements and benefits of Chemical Leasing (a performance-based business model for chemicals management) <i>Morning session</i>
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08:00	Reinhard Joas	General introduction to the module, what are we going to learn
08:10	Petra Schwager	Chemical Leasing: A circular economy business model
08:30	Branko Dunjic	Key elements of Chemical Leasing (<i>unit of payments, processes, partners, potential benefits and opportunities</i>)
09:00	Vojislavka Satric	Chemical Leasing in practice (<i>case studies</i>)
09:30	Luis Umanzor	Global Chemical Leasing Award 2020
09:40		Q&A (20 min)

2h

Time	Presenters	Module 2: The Global Chemical Leasing Award <i>Morning session</i>
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11:00	Branko Dunjic	General introduction to the module, what are we going to learn
11:10	Petra Schwager	The Global Chemical Leasing Award 2020
11:20	Luis Umanzor	Categories and application forms
11:35	Vojislavka Satric	How to identify companies for the Award category of case study (<i>suitable industries and processes</i>)
12:20	Reinhard Joas	How to identify applicants for the Award categories of innovation and research and the special awards
12:40	Vojislavka Satric, Branko Dunjic	How to complete applications and sustainability criteria
13:10		Q&A (20 min)

2.5h

DAY 1 (Afternoon sessions)

Webinar – Tuesday 14 January, 2020

Module 1: Key elements and benefits of Chemical Leasing (a performance-based business model for chemicals management)		
Time	Presenters	
<i>Afternoon session</i>		
14:00	Reinhard Joas	General introduction to the module, what are we going to learn
14:10	Petra Schwager	Chemical Leasing: A circular economy business model
14:30	Branko Dunjic	Key elements of Chemical Leasing (<i>unit of payments, processes, partners, potential benefits and opportunities</i>)
15:00	Vojislavka Satric	Chemical Leasing in practice (<i>case studies</i>)
15:30	Luis Umanzor	Global Chemical Leasing Award 2020
15:40		Q&A (20 min)

2h

Module 2: The Global Chemical Leasing Award		
Time	Presenters	
<i>Afternoon session</i>		
16:00	Branko Dunjic	General introduction to the module, what are we going to learn
16:10	Petra Schwager	The Global Chemical Leasing Award 2020
16:20	Luis Umanzor	Categories and application forms
16:35	Vojislavka Satric	How to identify companies for the Award category of case study (<i>suitable industries and processes</i>)
17:20	Reinhard Joas	How to identify applicants for the Award categories of innovation and research and the special awards
17:40	Vojislavka Satric, Branko Dunjic	How to complete applications and sustainability criteria
18:10		Q&A (20 min)

2.5h

DAY 2

Webinar – Wednesday 15 January, 2020

Time	Presenters	Module 3: Implementation	<i>Morning session</i>
09:00	Luis Umanzor, Petra Schwager	General introduction to the module, what are we going to learn	
09:10	Vojislavka Satric	Step by step implementation of the model, Chemical Leasing Toolkit	
09:55	Reinhard Joas	Sustainability criteria	
10:10	Reinhard Joas	Contractual requirements	
10:30	Branko Dunjic	Monitoring requirements	
10:45	Reinhard Joas	Special conditions: several suppliers, substitution, liability requirements, norms	
11:00	Luis Umanzor	Global Chemical Leasing Award 2020 (<i>how to apply</i>)	
11:40		Q&A (20 min)	

3h

Time	Presenters	Module 3: Implementation	<i>Afternoon session</i>
13:00	Luis Umanzor	General introduction to the module, what are we going to learn	
13:10	Vojislavka Satric	Step by step approach for the implementation of the model, Chemical Leasing Toolkit	
13:55	Luis Umanzor	Sustainability criteria	
14:10	Reinhard Joas	Contractual requirements	
14:30	Branko Dunjic	Monitoring requirements	
14:45	Reinhard Joas	Special conditions: several suppliers, substitution, liability requirements, norms	
15:00	Petra Schwager	Global Chemical Leasing Award 2020	
15:10		Q&A (20 min)	

3h

ANNEX: TRAINERS

Name	Petra Schwager
Position	Senior Industrial Development Officer and Coordinator of the Global Chemical Leasing Programme, Environmental Management Branch, UNIDO.
Professional background	Long-standing and global experience in developing and managing Resource Efficiency Programmes; initiating and promoting innovative sustainability concepts for industry and fostering circular economy and public-private cooperation, co-author of the book “Chemical Leasing Goes Global”.
Focus of activities	Circular economy, Chemical Leasing, sustainable industrial parks and zones, green chemistry, sound chemicals management, innovative business models and holistic approaches to resource efficiency in industry.
Educational background	Studied Economics at the Vienna University of Business Administration and Social Science and Environmental Management at the University of London.

Name	Reinhard Joas
Position	International Expert for UNIDO’s Chemical Leasing Programme specialized in sustainable chemicals management.
Professional background	25 years of experience in advising national ministries, the European Commission, the European Parliament, UN organizations as well as companies and associations in Europe in technical, ecological and economic issues
Additional information	Training for industry, authorities and other stakeholders especially in developing countries and countries with transition economies including Eastern Europe, Asia, Africa and South America.
Educational background	Studied Process Engineering and Business Management at the technical universities in Munich and Zurich (TUM & ETH) graduating with an engineering diploma and a doctorate (PhD) on the economic and ecological aspects of chlorine chemistry.

Name	Vojislavka Šatrić
Position	International Expert for UNIDO’s Chemical Leasing Programme.
Professional background	7 years at the Serbian Cleaner Production Centre as National Coordinator for UNIDO’s Chemical Leasing Project in Serbia, previously technical and executive manager in the chemical industry, research and development manager.
Focus of activities	Chemicals management, Chemical Leasing, cleaner production, environmental impact assessment studies, environmental and occupational health and safety (due diligence), waste management, trainer and consultant in ISO 9001, ISO 14001, ISO 50001 and ISO 45001 certification.
Educational background	Studied Chemical Engineering at the Faculty for Technology and Metallurgy, University of Belgrade.

Name	Branko Dunjic
Position	Director of the National Cleaner Production Centre of Serbia.
Professional background	Worked at the University of Belgrade as assistant professor, teaching polymer chemistry, and then joined the industry where he worked as R&D manager, than as a manager of one production unit. Since 2007 he is managing Cleaner Production Centre in Serbia, established in the frame of a UNIDO-sponsored project.
Focus of activities	Process optimization, polymer design, synthesis and characterization, resource efficiency and cleaner production, green & sustainable chemistry, Chemical Leasing.
Educational background	PhD in chemical engineering, with specialization on polymeric materials, on Faculty of technology and Metallurgy, University of Belgrade.

Name	Luis Umanzor
Position	Project Associate on Chemical Leasing and Sound Chemical Management at UNIDO.
Professional background	2 years at UNIDO on Chemical Leasing, Sound Chemical Management and Green Chemistry and 7 years the Cleaner Production of El Salvador.
Focus of activities	Resource efficiency and cleaner production, environmental impact assessment studies, environmental and occupational health and safety, waste management.
Educational background	Master on Business Administration and Bachelor on Chemical Engineering, Universidad Centroamericana José Simeon Cañas El Salvador.

THANKS TO OUR PARTNERS!

 **Federal Ministry
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and Nuclear Safety**

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