ADVANCED MASTER CLASS ON PROCESS SAFETY

15 – 19 January 2024
ANTWERP | HYLLIT HOTEL ANTWERP
DEAR MEMBER,

essenscia would like to present the details of the Advanced Master Class on Process Safety organized by its Process Safety Academy. For additional information concerning these topics please feel free to contact Mr. Geert Boogaerts (+32 476 906 663 | gboogaerts@essenscia.be)

Programme

Process safety is a specific discipline within the organization of a company. The level and quality of process safety management determines the success of the organization. The essenscia Process Safety Academy aims, with this 5-day ‘Advanced Master Class on Process Safety’, to provide professionals with a process safety course offering the essentials and pointing out the pitfalls of process safety. The lectures are taught by academics and specialists in their discipline. A certificate will be granted at completion of the course. For each day a syllabus is provided by the organization.

The governance board and steering committee of essenscia Process Safety Academy

✓ MSc. Ivan Pelgrims,
  President Process Safety Academy, Director, Evonik
✓ MSc. Koen Colpaert,
  HSE Group Process Safety Manager, Borealis
✓ MSc. Benny Ghoos, Senior Operations Support Manager,
  Johnson & Johnson
✓ MSc. Nico Hertoghe,
  ExxonMobil Research & Engineering
✓ Phd. MSc. Pol Hoorelbeke, Vice president Safety, Total
✓ MSc. Marnix Mahieu, Managing Director, Kronos
✓ MSc. Inge Van Der Meer, AMPP Plant Manager ExxonMobil
✓ MSc. Frank Quaeyhaegens,
  Head of Technical Services, Covestro
✓ MSc. Stephen McGrady, EHS BL Director – GSK UK
✓ MSc. Geert Vercruysse,
  Process Safety Expert, BASF
✓ MSc. Jan Weckx,
  Antwerp Process Safety Lead, Bayer Agriculture
✓ MSc. Filip De Proft,
  EHS director Campus Belgium, Johnson & Johnson Agriculture
✓ MSc. Kris Debutte, Global SHE Manager, Ineos
✓ MSc. Gunther Van Cauwenberge,
  Managing Director Lanxess Performance Materials JV Envalior
✓ MSc. Ignace Hooftman, Managing Director Lanxess Belgium

Past Attendees


The governance board and steering committee of Process Safety Academy recommend this course as:
«A strong introduction and an appreciated refreshment concerning process safety».

Target Audience

Professional engineers with industry experience for whom understanding and applying process safety thinking is an integral part of their job and who would benefit from a holistic view on process safety for deepening the expertise in their roles and for their career development (e.g. operations, engineering, maintenance, inspection, safety professionals...).
DAY TO DAY OVERVIEW OF THE PROGRAMME:

08:00 – 17:30

MONDAY 15 JANUARY 2024

Introduction to process safety

Welcome speech
MSc. Els Paredis, Vice President EHS BASF Antwerp, Environment & Energy Policy, BASF Antwerpen

Introduction to process safety: Incidents & legislation that define process safety
MSc. Geert Boogaerts, Senior Advisor Process Safety, essenscia

Are things improving?
Phd. MSc Pol Hoorelbeke, Vice president Safety, Total, Brussels, Visiting professor at the South China University of Technology, Fellow of the VUB

An integrated safety management system
Phd. MSc. Kristel Bernaerts, Professor, CREaS, KU Leuven, Leuven

Do we understand the intrinsic hazards?
Phd. MSc. Herman Van Roost, Business Development, Total, Belgium

TUESDAY 16 JANUARY 2024

Qualitative and quantitative risk analysis

Hazard & Operability Study
MSc. Grainne Kelly, Clwyd Associate, Leicestershire

Use and pitfalls of HAZOP
Phd. MSc. Nico Hertoghe, ExxonMobil Research & Engineering

Layers of protection analysis
MSc. Peter Wittevrongel, Safety Engineer, Notified Expert, Vinçotte, Vilvoorde

Use and pitfalls of LOPA

PHA / sub selection / API 752 - Temporary Housing
MSc. Peter Wittevrongel, Safety Engineer, Notified Expert, Vinçotte, Vilvoorde

A risk based approach

Global overview of QRA
MSc. Bob Gorrens, Notified Expert, SGS Belgium, Antwerp

Towards a dynamic instrument in safety reporting?

HOST CITY
Antwerp
LOCATION
Hyllit Hotel Antwerp
De keyserlei 28 - 30
LUNCH
3 courses diner
TOTAL REGISTRATION FEE
€ 2,900
DAY TO DAY OVERVIEW OF THE PROGRAMME:
08:00 – 17:30

WEDNESDAY 17 JANUARY 2024

Expllosion safety
(Gas) Explosion Characteristics
Phd. MSc. Filip Van den Schoor, M-tech, Hasselt, visiting professor KU Leuven
Essential elements in risk assessment
Dust Explosion Characteristics and Ignition Sources
Phd. MSc. Filip Verplaetsen, Adinex, Herentals, visiting professor KU Leuven and Ghent University
Essential for prevention
Vapour Cloud Explosion and Explosion Modelling
Phd. MSc. Filip Van den Schoor, M-tech, Hasselt, visiting professor KU Leuven
The number one cause?
Explosion Prevention and Protection – Atex directives
Phd. MSc. Filip Verplaetsen, Adinex, Herentals, visiting professor KU Leuven and Ghent University
What is emphasized by the legislation?

THURSDAY 18 JANUARY 2024

Competence in operation & safety in unit operations
Introduction to process safety engineering
Phd. MSc. Geert Vercruysse, Process Safety Engineer, BASF Antwerp,
Visiting professor at Ghent University and at KU Leuven
Safety engineering: the corner stone of intrinsic safety
Managing reactive chemistry hazards
Phd. MSc. Wim Dermaut, R&D Manager Chemical Process Development, Agfa Labs, Antwerp
A scenario based approach
Safety Integrity Level
MSc. Erik Dom, SIL and HAZOP expert, Nero Engineering, Antwerp
A reliable device on a known risk

FRIDAY 19 JANUARY 2024

Mechanical integrity: the first layer of protection
Materials & corrosion expert
MSc. Thomas Beirnaert, Quality, Inspection & Materials BASF
Corrosion
MSc. Erik Thomas, Corrosion engineer, Degradation expert, Metalogic, Leuven
An important threat
Measuring, monitoring and inspection
MSc. Kristof Timmermans, Inspection engineer, Metalogic, Leuven
A solution for everything?
Closing speech
MSc. Ivan Pelgrims, Managing Director, Evonik Antwerp, Board Member of essenscia
Global evaluation, feedback and open discussion
Granting of the certificates by Ivan Perigrims,
President Process Safety Academy, Director, Evonik
Board member essenscia
SUBSCRIPTION FILE
The essenscia Process Safety Academy and the essenscia Chair Safety Engineering organize a 5-day Advanced Course on Process Safety.

PARTICIPANT

FIRST NAME

LAST NAME

EMAIL

COMPANY

FUNCTION

☐ Member of Process Safety Academy  ☐ Member of essenscia

THE INVOICE OF €2900 (TOTAL REGISTRATION FEE, EXCL. VAT) CAN BE SENT TO

COMPANY

STREET AND NUMBER

POSTAL CODE AND CITY

V.A.T.

SIGNATURE OF THE PARTICIPANT

To be sent by mail to Ms. Michèle Celis (mcelis@essenscia.be)
For additional information please feel free to contact
Mr. Geert Boogaerts (+32 476 906 663 | gboogaerts@essenscia.be) or
Ms. Michèle Celis (mcelis@essenscia.be).