

SPECIALIZED COURSE
MAINTENANCE
AND SHUTDOWN
IN THE PROCESS
INDUSTRY

.....
18 – 21 September 2023

GHENT | ZEBRASTRAAT



DEAR MEMBER,

essenscia would like to present the details of the specialized course on maintenance and shutdown in the process industry, organized by the essenscia 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

Maintenance and Shutdown is an utmost important aspect in process safety. Over the last years we faced the evolution towards asset integrity management driven by performance. Risk based strategies are the corner stone towards an effective maintenance programme. Shutdowns are key in upgrading and revitalizing our installations. During this 4-day specialized course, we focus on all the key aspects related to maintenance and shutdown, starting with discussing degradation mechanisms of materials. The course is taught by academics and industry specialists from various leading companies in our industry, tackling each in their discipline a key aspect in maintenance and shutdown management.

Attendees

Professionals with industry experience for whom understanding and applying maintenance and shutdown will be an integral part of their jobs and who would benefit from an overall and in-depth view on maintenance and shutdown in the process industry.

This specialized course offers the essentials of maintenance and shutdown in the process industry as the foundation for process safety.

The governance board and steering committee of essenscia Process Safety Academy

- ✓ **MSc. Ivan Pelgrims**,
President Process Safety Academy, Director, Evonik
- ✓ **MSc. Yves Verschuere**n, General Directeur essenscia
- ✓ **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. Frank Quaeys**haegens,
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 Deboutte**, Global SHE Manager, Ineos

DAY TO DAY OVERVIEW OF THE PROGRAMME :
08:30 – 17:00

DAY 01



MONDAY 18 SEPTEMBER 2023

Introduction



Welcome speeches

Geert Boogaerts, essenscia process safety academy coordinator
Maintenance and Shutdown: the corner stone for process safety

The international standard (Physical Asset Management, ref ISO 55.000)
applied in the chemical industry



Werner Van Acker, Technical Governance, Evonik
A global framework



Tribology

Prof. Dieter Fauconnier, Department of Electromechanical, Systems and Metal Engineering, UGent
More than lubrication



Environment-driven degradation mechanisms of materials

Prof. Tom Depover, Department of Materials, Textiles and Chemical Engineering, UGent
The starting point



Mechanical integrity: Standards and inspections

Thomas Beirnaert, Engineer Quality, Inspection and Materials, BASF
Jeroen Moens, Design review engineer, BASF, & Thomas Beirnaert,
Engineer Quality, Inspection and Materials, BASF
The foundation

DAY 02



TUESDAY 19 SEPTEMBER 2023

From asset integrity to analyzing the root cause and operation window



Environment-driven degradation mechanisms of materials

Prof. Tom Depover, Department of Materials, Textiles and Chemical Engineering, UGent
The starting point



Damage analysis - root cause analysis

Dirk Bracke, Machine Technology Manager and Projects, INEOS Oxide
It won't happen again



Integrity operations window and Reliability elements

Peter Verdonck, Head of Operations & Venture Manager Aniline Expansion Project, Covestro NV
Root causes and large volume elements



Corrosion under insulation

Piet Van Doren, Group expert static equipment & inspection, Borealis
A sniper to catch

HOST CITY

Ghent

LOCATION

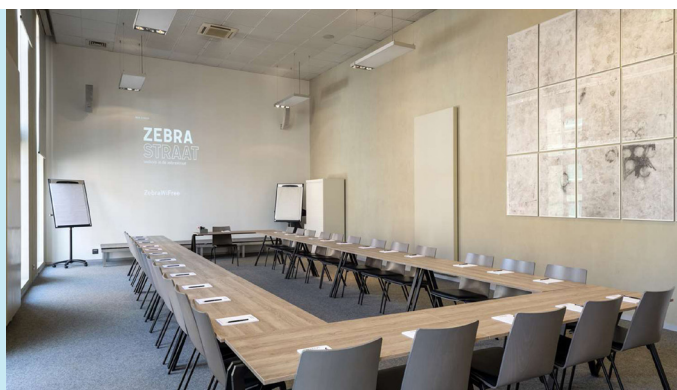
Zebrastraat
Zebrastraat 33, 9000 Gent

LUNCH

Business menu 3-course diner

TOTAL REGISTRATION FEE

€2200



DAY TO DAY OVERVIEW OF THE PROGRAMME :
08:30 – 17:00

DAY 03

3

WEDNESDAY 20 SEPTEMBER 2023

Asset integrity – Preparation & execution



Asset integrity: rotating equipment

Dirk Bracke, Machine Technology Manager and Projects, INEOS Oxide
More than lubrication



Maintenance during operations

Erik Houben, Static Equipment Engineer, Total Energies, TotalEnergies
Applied strategy



From preparation and planning towards a scheduled execution

Jos Vankevelaer, Asset management, former BASF
Be prepared for the unforeseen

DAY 04

4

THURSDAY 21 SEPTEMBER 2023

Innovation and plant turnover



Plant hand-over

Jos Vermylen, Operations Director & Bart Ivens, TA managers refining and chemicals, Total Energies
An essential step



Plastic materials in the industry

Prof. Mariya Edeleva, Laboratory for Chemical Technology, UGent
An academic point of view



Innovation in maintenance and shutdown

Tom Jacobs, Projectleader ALC Data Management–OneCAE–Technical Services, Evonik
Bert Lauwers, CTO, VIU More
Organizational and technical innovations

www.essenscia.be/process-safety-academy

Limitation: The Module is limited to 20 participants,
because a high level of interaction is foreseen.



SUBSCRIPTION FILE

The essenscia Process Safety Academy and the essenscia Chair Safety Engineering organize a 4-day course on Maintenance and shutdown in the process industry

PARTICIPANT

FIRST NAME

LAST NAME

EMAIL

COMPANY

FUNCTION

THE INVOICE OF €2200 (TOTAL REGISTRATION FEE, EXCL. VAT) CAN BE SENT TO

COMPANY

STREET AND NUMBER

POSTAL CODE AND CITY

V.A.T.

PURCHASE ORDER

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).