

SPECIALIZED COURSE
MAINTENANCE
AND SHUTDOWN
IN THE PROCESS
INDUSTRY

16 – 20 September 2024
GHENT | ZEBRASTRAAT



DEAR MEMBER,

essenscia herewith presents the details of the specialized course on Maintenance and Shutdown in the Process Industry, organized by essenscia's Process Safety Academy.

For additional information concerning these topics, please feel free to contact Mr. Geert Boogaerts (+32 476 906 663 | gboogaerts@essenscia.be). To register, [please follow this link](#).

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 5-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

This course has been designed for 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.

The governance board and steering committee of essenscia's Process Safety Academy

- ✓ **MSc. Ivan Pelgrims**, President Process Safety Academy, Director, Evonik
- ✓ **MSc. Yves Verschueren**, General Director, essenscia
- ✓ **MSc. Koen Colpaert**, HSE Group Process Safety Manager, Borealis
- ✓ **MSc. Benny Ghoos**, Senior Operations Support Manager, Jnj Innovative Medicines
- ✓ **MSc. Nico Hertoghe**, ExxonMobil Research & Engineering
- ✓ **Phd. MSc. Pol Hoorelbeke**, Vice president Safety, TotalEnergies
- ✓ **MSc. Marnix Mahieu**, Managing Director, Kronos
- ✓ **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, Jnj Innovative Medicines
- ✓ **MSc. Kris Deboutte**, Global SHE Manager, Ineos
- ✓ **Frederic Druck**, Director essenscia Wallonie & Brussels
- ✓ **Ann Wurman**, Director, essenscia Flanders
- ✓ **Msc. Inge van der Meeren**, AMPP Plant Manager, ExxonMobil

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



DAY TO DAY OVERVIEW OF THE PROGRAMME :

08:30 – 17:00

DAY 01



MONDAY 16 SEPTEMBER 2024

Introduction

Welcome speech



Geert Boogaerts, Director Safety and Sustainability, essenscia
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. Kim Verbeken, Department of Materials, Textiles and Chemical Engineering, UGent
The starting point: Part 1

Mechanical integrity: Standards and inspections



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

DAY 02



TUESDAY 17 SEPTEMBER 2024

From asset integrity to analyzing the root cause and operation window

Environment-driven degradation mechanisms of materials



Prof. Kim Verbeken, Department of Materials, Textiles and Chemical Engineering, UGent
The starting point: Part 2

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 33, 9000 Ghent

REFRESHMENTS

8am welcome coffee

3-course business lunch

REGISTRATION FEE

€2700 members / €3200 non-members

REGISTRATION LINK

To register, [please click here](#)



DAY TO DAY OVERVIEW OF THE PROGRAMME :

08:30 – 17:00

DAY 03



WEDNESDAY 18 SEPTEMBER 2024

Asset integrity – maintenance is key



Asset management & reliability

Paul de Meutter, Asset Manager Steamcracker, BASF
Do we calculate?



Maintenance and testing of functional safety equipment

Jan Luyts, Functional Safety Expert, BASF, Project Lead Functionary, essenscia
Applied strategy



Site visit: Rotating equipment

Wim Schelfaut, COO, Maintenance Partners
Life maintenance

DAY 04



THURSDAY 19 SEPTEMBER 2024

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, TotalEnergies, TotalEnergies
Applied strategy



From preparation and planning towards a scheduled execution

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

DAY 05



FRIDAY 20 SEPTEMBER 2024

Innovation and plant turnover



Plant hand-over

Jos Vermeylen, Operations Director & Bart Ivens, TA managers refining and chemicals, TotalEnergies
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