



SPECIALIZED COURSE  
**MAINTENANCE &  
SHUTDOWN:  
TOWARDS ASSET  
MANAGEMENT**

**08 – 12 September 2025**  
GHENT | ZEBRASTRAAT



08 - 12.09.2025

Ghent | Zebrastraat

## DEAR MEMBER,

essenscia herewith presents the details of the specialized course "Maintenance & Shutdown: Towards Asset Management", 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](mailto:gboogaerts@essenscia.be)). To register, [please follow this link](#).

### Programme

Maintenance and shutdown are of utmost importance 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 asset 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.

**This specialized course offers the essentials of asset management in the process industry as the foundation for process safety.**



## THE GOVERNANCE BOARD AND STEERING COMMITTEE OF THE PROCESS SAFETY ACADEMY

The Governance Board is the industrial sounding board of the essenscia Process Safety Academy.

The Board consists of business leaders and safety experts from international companies in the chemical and life sciences industry. While the Governance Board determines the direction of the Process Safety Academy's programme, the Steering Committee ensures that the workshops and training courses are optimally tailored to the current needs and requirements of the process industry. In addition, the Board monitors the funding and financial management of the Process Safety Academy.

### Governance Board

- ✓ **MSc. Ivan Pelgrims**, Managing Director, Evonik Antwerp, President of essenscia's Process Safety Academy
- ✓ **MSc. Bart Van den Driessche**, Site Lead and Managing Director, Bayer Agriculture
- ✓ **MSc. Frank Quaeys**, Head of Technical Services, Covestro
- ✓ **MSc. Ignace Hooftman**, Managing Director, Lanxess
- ✓ **MSc. John Kelleher**, VP EHS, GSK
- ✓ **MSc. Kristel Van Gaeven**, AMPP SSHE Manager, ExxonMobil
- ✓ **MSc. Marnix Mahieu**, VP Manufacturing, Kronos
- ✓ **MSc. Robby Schatteman**, Health and Safety Director IWS & Corporate Health and Safety Coordinator, Indaver
- ✓ **MSc. Roel De Vil**, Site Manager, INEOS Oxide Antwerp
- ✓ **MSc. Vicky Bruggeman**, General Manager Geel Site, JNJ Innovative Medicines, Board Member, Janssen Pharmaceuticals Belgium
- ✓ **MSc. Wim Schelles**, Vice President of Global Operations Intermediates, Envalior

### Steering Committee

- ✓ **MSc. Anne-Marie Verrelst**, Business SHE Manager, INEOS Olefins & Polymers Europe
- ✓ **MSc. Bart Ivens**, Construction Manager, TotalEnergies
- ✓ **MSc. Bart Van den Bossche**, Process Safety Manager, Ineos
- ✓ **MSc. Benny Ghoos**, Principal Prevention Engineer, JNJ Innovative Medicines
- ✓ **MSc. Chris Gentjens**, Group Process Safety Expert, Indaver
- ✓ **MSc. Danny Dobbelaere**, Preventieadviseur Niv.1, ArcelorMittal
- ✓ **MSc. Dirk Roosendans**, Deputy Director Major Risks Division, TotalEnergies
- ✓ **MSc. Filip De Proft**, EHS Director Campus Belgium, JNJ Innovative Medicines
- ✓ **MSc. Geert Vercruysse**, Director Large Capital Projects, BASF Antwerp
- ✓ **MSc. Jan Luyts**, Expert Functional Safety, BASF
- ✓ **MSc. Jan Weckx**, Process Safety Lead, Bayer Crop Science Antwerp
- ✓ **MSc. Johan Spruytte**, SHEQ Manager, Evonik Antwerp
- ✓ **MSc. Joris Plasmans**, Process safety and Asset Integrity Manager, TotalEnergies
- ✓ **MSc. Koen Colpaert**, Group Process Safety Manager, Borealis
- ✓ **MSc. Koen Gerard**, Manager Process Safety, SafeGuard Champion for Antwerp, Covestro
- ✓ **MSc. Koen Verlact**, HSSE Manager, Ineos Manufacturing Belgium
- ✓ **MSc. Kris Deboutte**, Global SHE Manager, Ineos
- ✓ **MSc. Nicolas Hertoghe**, Process Safety Engineer, ExxonMobil Research & Engineering
- ✓ **MSc. Peter Jacobs**, Site Safety Manager, Ajinomoto Omnicem
- ✓ **MSc. Werner Van Acker**, Manager Technical Governance, Evonik



DAY TO DAY OVERVIEW OF THE PROGRAMME

08:30 – 17:00

DAY 01



MONDAY 08 SEPTEMBER 2025

## Introduction



Welcome speech

**Geert Boogaerts**, Director Safety and Sustainability, essenscia  
Asset Management: 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



Mechanical integrity: Standards and inspections

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

DAY 02



TUESDAY 09 SEPTEMBER 2025

## From asset integrity to analyzing the root cause and operation window



Gaskets and Sealing

**Marc Van Thillo**, Ineos Styrolution  
Let your assets sweat, not leak



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

**Gino de Landtsheer**, Senior Group Expert Piping and Valves, Mechanical Team Leader Asset Technology, Borealis  
A sniper to catch

**HOST CITY**

Ghent

**LOCATION**

Zebrastraat 32, 9000 Ghent

**REFRESHMENTS**

8am welcome coffee

2-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 10 SEPTEMBER 2025

## 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

**Howden Maintenance Partners**  
A real-life visualisation

DAY 04



THURSDAY 11 SEPTEMBER 2025

## 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 12 SEPTEMBER 2025

## Innovation and plant turnover



Plant hand-over

**Jos Vermylen**, Operations Director, TotalEnergies  
**Bart Ivens**, TA Managers Refining and Chemicals, TotalEnergies  
An essential step



Plastic materials in the industry

**Prof. Dr. Mariya Edeleva**, Professor, Center for Polymer and Material Technologies (CPMT),  
Department of Materials, Textiles and Chemical Engineering (MaTCh), University of Ghent  
An academic point of view



Innovation in asset management

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

[www.essenscia.be/process-safety-academy](http://www.essenscia.be/process-safety-academy)