SPECIALIZED COURSE
MAINTENANCE AND SHUTDOWN IN THE PROCESS INDUSTRY

19 – 22 September 2022
GHENT | RED LOFT
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.

Lecturers

- **Prof. Ludwig Cardon**, Department of Materials, Textiles and Chemical Engineering, UGent, Academic coordinator
- **Prof. Tom Depover**, Department of Materials, Textiles and Chemical Engineering, UGent
- **Geert Boogaerts**, essenscia process safety academy coordinator
- **Tom Jacobs**, Evonik
- **Werner Van Acker**, Evonik
- **Piet Van Doren**, Borealis
- **Jos Vankevelaar**, BASF
- **Peter Verdonck**, Covestro
- **Dirk Bracke**, Ineos
- **Jos Vermylen, Marc Keuleers, Herman Hebbrecht**, Total Energies
- **Giel-Jan Degezelle**, Total Energies
- **Benoit Bovyn**, Vinçotte

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).

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

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.

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. 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 & JohnsonAgriculture

19 - 22.09.2022
GHENT | RED LOFT
DAY TO DAY OVERVIEW OF THE PROGRAMME:
08:30 – 18:00

**DAY 01**
**MONDAY 19 SEPTEMBER 2022**

*Introduction*
- Welcome speeches
- Geert Boogaerts
  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
  A global framework
- Standards and legislation
- Benoît Bovyn
  Important to keep in mind
- Environment-driven degradation mechanisms of materials
- Prof. Tom Depover
  The starting point

**DAY 02**
**TUESDAY 20 SEPTEMBER 2022**

*From asset integrity to analyzing the root cause and operation window*
- Environment-driven degradation mechanisms of materials
  - Prof. Tom Depover
    The starting point
- Damage analysis - root cause analysis
  - Dirk Bracke
    It won't happen again
- Integrity operations window and Reliability elements
  - Peter Verdonck
    Root causes and large volume elements
- Corrosion under insulation
  - Piet Van Doren
    A sniper to catch

**HOST CITY**
Ghent

**LOCATION**
Red Loft
Hugo van der Goesstraat 17A, 9000 Gent

**LUNCH**
Business menu 3-course diner

**TOTAL REGISTRATION FEE**
€2200
DAY TO DAY OVERVIEW OF THE PROGRAMME:
08:30 – 18:00

WEDNESDAY 21 SEPTEMBER 2022
Asset integrity – Preparation & execution

- Asset integrity: rotating equipment
  Dirk Bracke
  More than lubrication

- Maintenance during operations
  TotalEnergies
  Applied strategy
  From preparation and planning towards a scheduled execution
  Jos Vankevelaer
  Be prepared for the unforeseen

THURSDAY 22 SEPTEMBER 2022
Innovation and plant turnover

- Plant hand-over
  TotalEnergies
  An essential step
  Preventive maintenance
  Prof. Ludwig Cardon
  An academic point of view

- Innovation in maintenance and shutdown
  Tom Jacobs
  Organizational and technical innovations


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).