

Curriculum Vitae

Luca Pelissero, Chemical Engineer

DEKRA Process Safety

DEKRA Italia S.r.l.

SU Chilworth Process Safety

Via Fratelli Gracchi 27

20092 Cinisello Balsamo (MI)

Italy

Phone: +39 02 89929 612

Mobile: +39 342 567 1219

luca.pelissero@dekra.com

www.chilworth.it

Senior Process Safety Specialist

Professional Profile

Luca Pelissero has more than 7 years' experience in oil & gas (downstream). He also has experience in leading complex projects and coordinating internal and external resources, both in normal and emergency situations.

Specialist Areas of Expertise

- > HAZOP / HAZID / FMEA
- > QRA / Fault Tree Analysis
- > Oil & Gas: downstream (refining, storage)
- > Emergency planning and management
- > Process Safety Management

Academic Credentials & Professional Honors

Qualification as senior chemical lab analyst. "I.T.I.S. L. Casale" (TO), 2001

Master Degree in Chemical Engineering, Politecnico di Torino, Chemical Engineering faculty, 2006

Vocational Training

2007 - 2013, periodic firefighting practical training course with life support system, APT Pavia
2007, H₂S exposure risk training course, ExxonMobil
2008, Confined Space Entry training course, ExxonMobil
2010, Fundamentals of Safety Engineering, EMEEL (ExxonMobil Engineering Europe Ltd)
2011, Risk Assessment and Evaluation Training course, EMEEL
2012, Isorisk Matrix Training Course, EMEEL
2012, How To Manage Process Safety, EMEEL
2012, PPM (Pressure Protection Manager), EMRE (ExxonMobil Research Engineering)
2013, Blast Technology Training, EMEEL
2013, API751, HF management and storage training course, ExxonMobil
2014, Safety Integrity Level (SIL), DEKRA

Prior Professional Experience

- > **Senior Process Safety Engineer, DEKRA Italia S.r.l., Oct 2013 - present**
- > **Assignment as design engineer in ExxonMobil Europe Engineering Lmted (EMEEL), Fawley Refinery, Jan 2010 - Apr 2010.**
- > **HazOp Design Engineer, Esso Italiana Srl, Augusta Refinery, Mar 2007 - Oct 2013**

Specific Project Experience

Risk Analysis (ExxonMobil Augusta Refinery):

- HazOp for Vacuum Pipestill unit
- HazOp for Atmospheric pipestill unit
- HazOp for Fluid Catalytic Cracking (FCC) unit
- HazOp for MerOX (UOP) unit
- TOH (Transient Operating HazOp) for Vacuum pipestill unit, lubes extraction unit
- HazOp for new projects on Vacuum Pipestill unit and crude storage tanks
- Risk assessment for reforming furnace pneumatic test
- Safety Relief Review for blowdown system using PPM software
- Fireproofing, firefighting and fire detection assessment for entire refinery (onsite and offsite area)

Risk Analysis (Chilworth Vassallo - DEKRA)

- Tüpraş, Izmir (Turkey), HAZOP for hydrocracker unit and fractionation plant
- Tüpraş, Four Refineries (Turkey), QRA for 86 catastrophic equipment
- Tüpraş, Izmit (Turkey), HAZOP and QRA for 20 catastrophic equipment for new RUP
- Tüpraş, Izmit (Turkey), HAZOP for new RUP Jetty and Railway
- Desmet Ballestra, Milano (MI), SIL verification for sulphonation plant.
- Desmet Ballestra, Milano (MI), HAZOP for CaCl₂ production unit
- Desmet Ballestra, Milano (MI), HAZOP for Utilities of the Eurochem Karatau LLP Chemical Complex
- Raffineria di Milazzo, Milazzo (ME), HAZOP for SWS feed tank revamping project
- Sasol Italy, Sarroch (CA), HAZOP for process furnaces
- Sasol Italy, Augusta (SR), Risk Assessment for new Centralized Control Room project
- Hydrochem Italia Srl, Pieve Vergonte (VB), HAZOP, QRA and Safety Report for new methane/hydrogen boiler project
- TEVA Pharmaceutical, Ashdod (Israel), HAZOP for NG steam generator

- TEVA Pharmaceutical, Kfar Saba (Israel), HAZOP for NG steam generator and RTO
- TEVA Pharmaceutical, Debrecen (Hungary), HAZOP for new Pridopidin process
- ORPIC Refinery, Sohar (Oman), HAZOP for Expansion Tanker Truck Loading Facilities
- P&R Group - Olon, Mulazzano (LO), HAZOP for RTO
- Kollant, Maniago (PN), Risk Assessment on Mancozeb stability
- Kollant, Maniago (PN), HAZOP of a new line extruder
- Arkema, Spinetta Marengo (AL), HAZOP for new RTO
- Arkema, Spinetta Marengo (AL), HAZOP for all the units of the plant finalized to Seveso Safety Report
- Euticals, Origgio (VA), Risk Assessment on a new synthesis
- BASF, Fino Mornasco (CO), Safety Concept for Multiproducts Unit

Projects as designer (ExxonMobil Augusta Refinery):

- Fireproofing installation on several structures and drums inside fire hazardous area,
- Water deluge systems installation on several drums and reactors inside fire hazardous area,
- Fireproofing installation in drums containing potential supercritical fluids in case of fire,
- Installation of new KO drums with associated instrumentation to avoid pool fire in furnaces,
- Installation of new spent air separator system after Merox unit to avoid sinking of floating roof tank
- Installation of a new ESD on FCC to avoid metallurgical damage on the plenum as consequence of overheating

Training Courses (in ExxonMobil):

- Hazard and Operability Study (HAZOP)
- Isorisk
- Process safety
- H₂S exposure risk
- API751, HF management and storage
- Fireproofing: when, what and why.

Training Courses (Chilworth Vassallo - DEKRA):

- Baruch Quality Edge - Shell, Port Harcourt (Nigeria), HAZOP Advanced Training Course - 3 days course
- SASOL Italy, Siracusa (SR), Risk Analysis and Risk Assessment Training Course
- SASOL Italy, Terranova dei Passerini (LO), Quantitative Risk Assessment
- Donusen Adam, Istanbul (Turkey), HAZOP Advanced Training Course - 3 days course
- Baruch Quality Edge - Shell, Port Harcourt (Nigeria), HAZOP Advanced Training Course - 4 days course
- Luvata, San Vito al Tagliamento (PN), HAZOP training course - 2 days.
- SASOL Italy, Siracusa (SR), Process Safety Incidents Training Course - 4 days

Language

Italian: mother tongue

English: very good