



Spread the wings of your knowledge

COMPANY PROFILE

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OUR STORY (1/2)

● Who we are

We are primarily a group of experienced engineers from the Oil & Gas industry, providing industrial online courses.

Our team is headed by a chemical engineer with over 15 years of industrial experience across various global locations (Europe, USA, Middle East...).

● What makes us different

With the increasing awareness of training being a necessity and the advent of e-learning playing a major role, we have committed in 2018 a team of professionals towards development of high quality online courses for professionals in the Oil & Gas sector.

Our hands-on training experience convinced us of the advantage multimedia inputs, like graphics and animations, provide in increasing interest, understanding, retention and engagement.

Our training methodology was designed to enable individual self paced e-learning.

Besides our input, the products have also included the knowledge of industrial operators, engineers and maintenance experts from companies that have availed our services.



OUR STORY (2/2)

Industries we serve

We are committed to providing high quality training courses destined primarily for the following industries :

- ✓ Oil & Gas
- ✓ Petrochemical
- ✓ Chemical

Our courses cover a wide range of technical skills, engineering practices and mechanical equipment for :

- ✓ Engineers
- ✓ Technicians
- ✓ Plant Operators
- ✓ Mechanics



OUR VALUES

● Spread the knowledge

We are committed to helping you grow your knowledge and advance your career.

● Innovate

Technology has changed the way we live, it's now time to change how we learn in the Oil & Gas industry.

● Be accessible

All of our courses are made up of video lectures available on-demand anywhere anytime.

● Be relevant

We are committed to offering content that is relevant to Oil & Gas professionals.

● Win-Win-Win

Win all around : It is Win for experts, Win for learners and Win for the industry.



OUR TEAM

● **Wissem Bouaita**

Chemical Engineer, Founder & Lead Instructor

● **Emma Gilmour**

Chemical Engineer, Lead Instructor

● **Brian Hernandez**

Process Engineer, Lead Instructor

● **Julie Rousseau**

Electrical Engineer, Lead Instructor

● **Reham Almasri**

Electrical Engineer, Lead Instructor

● **Robert Needham**

Petroleum Engineer, Lead Instructor

● **Xu Lee**

Mechanical Engineer, Lead Instructor



OUR PERFORMANCE

ONLINE AVERAGE RATING ★★★★★



🌱 Last updated May 2021



OUR COURSES (1/4)

1. Overview of the Oil & Gas Industry
2. Oil & Gas : Markets, Trading, Pricing & Economic Framework
3. Petroleum Products : Properties, Specifications, Markets & Demand
4. Logistics of Crude Oil & Petroleum Products
5. Petroleum Refining Demystified
6. Petrochemicals : The Steam Cracking Process
7. Distillation : Principles, Operation & Design
8. Centrifugal Pumps : Principles, Operation & Design
9. Centrifugal Compressors : Principles, Operation & Design
10. Valves & Control Valves : Principles, Operation & Design
11. Flow of Fluids Through Piping Systems

COURSE DURATION

2 h
2h
2 h
2 h
2.5 h
3 h
4 h
6 h
7 h
3.5 h
7 h

OUR COURSES (2/4)

- 12. Introduction to Process Control & Instrumentation
- 13. Advanced Process Control & Safety Instrumented Systems (SIS)
- 14. Know, Read & Understand Piping & Instrumentation Diagrams (P&IDs)
- 15. Introducing Aspen Plus : Chemical Engineering Simulation
- 16. Aspen Plus V11 Masterclass : From Beginner to Advanced User
- 17. Reciprocating compressors : Principles, Operation & Design
- 18. Piping Systems : Drafting & Design
- 19. Piping Isometrics
- 20. Chemical Process Hazards Analysis according to OSHA's Safety Standards

COURSE DURATION

3 h
3.5 h
8 h
3 h
14 h
7 h
5 h
3.5 h
5 h

🌱 Last updated May 2021

OUR COURSES (3/4)

1. Fluid Catalytic Cracking : Principles, Operation & Design
2. Catalytic Reforming : Principles, Operation & Design
3. Refinery Desulfurization : Principles, Operation & Design
4. Lubricant Base Oil & Wax processing
5. Process Dynamics & Control Masterclass
6. Heat Exchangers : Principles, Operation & Design
7. Fired Heaters : Principles, Operation & Design
8. Human & Process Safety in the Chemical and Oil Industries : Identifying Hazards & How to Manage Them for Safe Operations
9. Aspen Plus Dynamics® Masterclass
10. Aspen Hysys Masterclass

COURSE DURATION

10 h
10 h
8 h
6 h
30 h
6 h
5 h
20 h
6 h
15 h

OUR SERVICES (1/2)

● In-House Training : Any course, Any Place, Any Time

Would you like a WR Training course delivered at a time or location to suit you ?

Would you like WR Training to tailor a course for you ?

Or would you like us to create an entirely new course to suit the exact needs of your organization ?

Working in partnership with our clients, we can provide creative learning experience that enables participants to grow their knowledge and advance their career.

Our in-house courses are conducted by the same expert trainers who conduct WR Training online courses so you can be assured they will fulfill the learning objective of any organization.

For more details, please drop us an email on contact@wrtraining.org



OUR SERVICES (2/2)

● Consulting services

You can engage us to develop :

1. Chemical Engineering Simulations and Process Modeling

Our models range from company-wide manufacturing capacity simulations to individual unit operations. Our clients are excited about what we do with :

- Aspen Plus 
- Phast DNV 

and the many benefits they provide such as Process, Energy, Safety and Economic optimizations of chemical processes.

2. Spreadsheet Calculations

These could be enhancements to our standard offerings such as the *Flow of Fluids Excel Workbook* or completely new solutions tailored just for you.



For more details, please drop us an email on contact@wrtraining.org

WHAT OUR STUDENTS HAVE TO SAY (1/3)

● Roy Macaraig - USA

I liked the course very much. It was obvious to me that the research and analysis of the topic was done at a high, professional level. The data and the comparisons that helped explain the data are similar to what I have seen in my experience in consulting. Anyone who is new to the Oil and Gas industry will gain a good appreciation of the history and trends. Thank you and keep up the good work to the WR team.

● Laura Jones - UK

This course is perfect. I sell to this industry and I have no chemical engineering background. I often feel overwhelmed when I meet with my customers and do not understand the processes at their refineries. I have invested in expensive text books prior to finding this course and they were hard to follow. This course is perfect for anyone working in the industry that needs to know the basics. I will recommend this to other employees in my company for sure ! I have already purchased your Petrochemical course and look forward to other courses you bring to your website in the future. Thank you!



WHAT OUR STUDENTS HAVE TO SAY (2/3)

● Yash Mohta - India

Best online course about centrifugal pumps. The instructor explains all the main components of a centrifugal pump clearly and the best part is explaining along with practical problems. Thus, ensuring that the viewer has a good grasp of the topic. Upon that the course material is really great and worth considering your time.

● Agbor Nkongho Egbe - Nigeria

I am very grateful for the virtual practical experience given by the 3D animations, graphics and process schemes. I really had a good time learning and refreshing. I now completely understand the working principles of measuring equipment in the field and I am confident to put this knowledge into practice. Thanks again for this wonderful opportunity.

● Stephen Matczak - Germany

I am currently assigned to the project team at a facility that is getting into CBD processing. My background is in industrial maintenance but I have had limited exposure to the process control realm. This course has increased my understanding of process control and allowed me to understand and speak intelligently about the subject.



WHAT OUR STUDENTS HAVE TO SAY (3/3)

● Elisabeth Nixon - UK

The course is beautiful to watch and contains extremely valuable information on rotating equipment and compressors. The basic principles are explained step by step and illustrated with many practical examples. The course includes many machine cut sections and 3D animations which helped me a lot visualizing how compressors and their mechanical components work. This is really appreciated. I think this is the first course on the internet that covers the subject of compressors this way making all complex concepts look very simple and understandable. I highly recommend this course for anyone looking to learn and demystify how compressors work and how they can be maintained and operated flawlessly. Thanks for bringing such high quality online courses.

● Mert Erdogan - Turkey

A pillar of chemical engineering brought to you.



HOW TO CONTACT US

- **Headquarter :** Rotterdam, Netherlands
- **Our e-learning platform :** www.wrtraining.org
- **Write us :** contact@wrtraining.org





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