



Providing **industry leading online, virtual, in-house, and public training courses** globally, NexantECA is widely recognized as the original and most comprehensive training provider to the Energy and Chemicals industries, having trained more than ten thousand professionals over three decades.



Data Analytics and Insights for a Sustainable Future

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NexantECA provides industry leading Online, Virtual, In-House and Public training courses and workshops globally

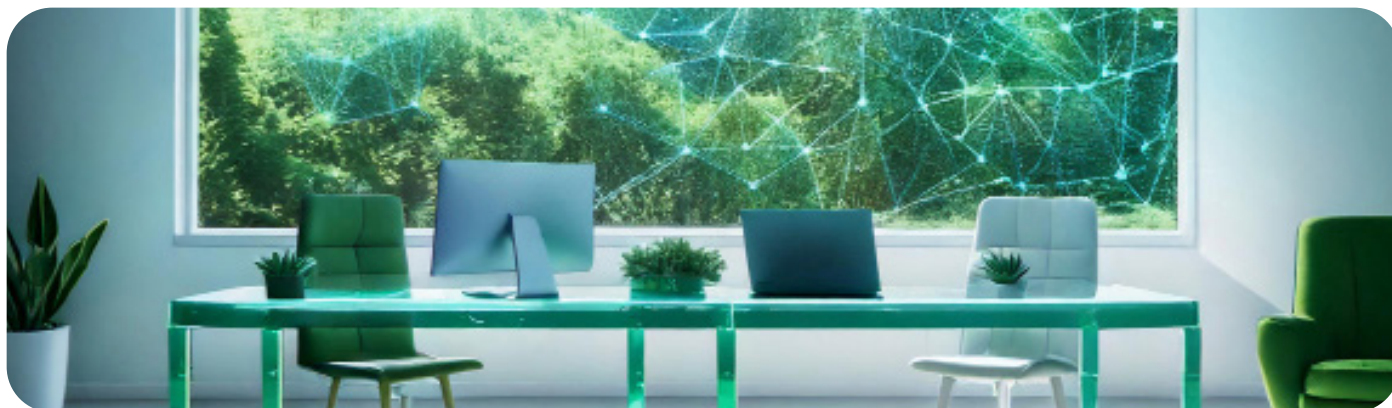
Our team of experts have trained over ten thousand chemical industry professionals globally for over 30 years. Our flagship training course The Global Petrochemical Industry is widely recognized as the original and most comprehensive training course in the energy and chemicals industry.







NexantECA offers a variety of training courses including Sustainability training, Business, Management & Economics, Strategy & Leadership and The Polymer and Plastics Industry. As well as fully tailor-made training courses to perfectly support our clients learning and development objectives. Our courses were created to provide a broad understanding of the petrochemical industry to a wide audience. They examine the petrochemical value chains, from oil and gas to the basic building blocks and through to the intermediates, polymers

and end-uses. They also deal with the external environment – how the macroeconomic and the energy environment affect the chemical industry.

Our NexantECA Training team use a unique blend of the broad picture and the specific details, together with an engaging and lively presentation style combining data, videos, samples, animations and discussion so that the products become tangible, and the industry comes to life.



Who should attend?

-  New professionals joining the industry, who use the course as introduction to the chemical business
-  Experienced professionals who wish to refresh and broaden their knowledge and to understand how the industry is connected
-  Professionals from the financial sectors, consulting companies, legal, and research institutions, who deal with the chemical industry
-  Personnel from various functional areas, such as marketing, planning, logistics, procurement, HR, and corporate communications

More information can be found at:

Training.NexantECA.com

www.NexantECA.com



NexantECA Training



Custom-Made In-House Training Courses

NexantECA design the course and bring it to your offices, while you decide the duration, date and times that your course will take place. The cost of in-house training is per course and not per delegate. This means your investment is more efficient with the possibility of training up to 25 members of your staff per course.

You can choose to use the same content from our existing virtual or public courses, or you can modify it to include a variety of other modules. All our in-house training courses can be completely tailored to your company's needs. Internal and confidential issues can be discussed in confidence, with specific case studies and discussion sessions included in your course agenda.



Online Training Courses

We have created an online version of flagship 'Global Petrochemical Industry' training course. This online course contains the same content as our public and in-house versions and is available in an accessible and convenient format, allowing you to choose when and where you learn. You'll find our highly acclaimed course split in to seven sections; you'll be led through the petrochemical value chains, from oil and gas to the basic building blocks and the main intermediates, polymers and end-uses.



Public Training Courses

We deliver our public chemical training courses globally throughout the year, and our courses typically run for three days in duration. Feedback from our past attendees and industry leading clients, means we are confident you will find our training courses enjoyable, rewarding and supportive of yours or your employees career developments.

Our training content is grouped in to three important sections



Industry Training



Business and Finance



Strategy and Leadership





Industry Training

Workshops related to the Chemical Industry

Petrochemicals

Provides a broad and detailed review of the petrochemical business

Polymers & Plastics

An in-depth review of the polymer and plastics business

Special Topics

Various modules to complement, specialise and deepen the learning experience that can be tailored and delivered on request

Courses

- **The Global Petrochemical Industry course** (3 days)
- **Petrochemical Industry course** (Online)
- **Petrochemical Industry Overview** (1 day)
- **The Polymer and Plastics Industry** (1-2 days)
- **Polymer processing and application** (1-day)
- **Sustainability** (0.5 to 1 day)
Greenhouse gas emissions
Plastic waste
Review options at the end of life
Circular Economy
Political and cultural applications

Topics Covered

- From oil and gas to petrochemicals
- The main Petrochemical building blocks
- Review most important Petrochemical value chains
- Technology and costs
- Bulk liquids, polymers, fibers and rubbers
- Producers, applications and markets
- Where Polymers come from
- Polymer processing techniques
- Main commodity polymers, producers, applications, trade
- Specialty Polymers
- Interpolymer competition
- **Understanding hydrogen's role in the energy transition** (1-2 days)
Hydrogen sources
Demand scenarios
Economic assessment
- **Supply Chain** (0.5 to 1 day)
Principles of supply chain management
Efficiency practices
- **Fertilizer business fundamentals** (0.5 to 1 day)
- **LNG Dynamics** (0.5 to 1 day)
- **Understanding Refining** (0.5 to 1 day)
- **Alternative Petrochemical Feedstocks** (0.5 to 1 day)
Coal to chemicals
Gas to Chemicals
Chemicals from Bio Feedstocks

Who Can Benefit

- All employees who need a broad view of the Petrochemical business
- Experienced personnel who are seconded or transferring between areas
- Excellent induction for new employees
- All employees in the polymer business who need more detail
- Staff familiar with Petrochemicals who require more depth into the polymer business



Business and Finance

Workshops related to
Business, Finance, Strategy & Leadership

Business, Management & Economics

Understand the management of the chemical business beyond the technical aspects of the industry

Market Intelligence

Develop a world class market intelligence capability to support the chemical business

Courses

Business, Management & Economics (2-3 days)
Chemical Training for Financial Services (2-3 days)

Market intelligence for business support (1-2 days)

Topics covered

- Macroeconomic environment
- Project economics
- Cost of products
- Competitiveness
- Feedstock costs
- Background finance aspects

- Evaluating projects
- How to gather and analyse information
- Developing a market intelligence plan
- Apply market intelligence tools and techniques
- Learn the skills to report market intelligence
- How to create effective market intelligence reports

- Managers leading businesses or functions
- Employees from functional areas, such as strategic planning, project evaluation, market intelligence, sales and marketing

- For employees working directly or indirectly with market intelligence or strategic planning
- For staff who support the business, sales and marketing functions



Strategy & Leadership

Workshops related to Strategy
& Leadership

Building a strategy

Learn how to develop and implement a robust strategy

Who Can Benefit

For employees working directly or indirectly strategic planning

Courses

Building a strategy process for the chemical business training (1-2 days)
Leader of Function in the Chemical Industry (two 3-day sessions in 3 months)

Topics Covered

Building relevant KPI's
Strategy fundamentals
Budgeting
Megatrends affecting the industry
Process for strategy, fomentation and implementation
Implementing a strategy process
Review of the competition





Online training

Overview of the Global Petrochemical Industry Sections and Modules

NexantECA has created an online version of its famous 'Global Petrochemical Industry' training course. This new online course contains the same content as our public and in-house versions and is available in an accessible and convenient format, allowing users to choose when and where they learn.

Industry training sometimes means being out of the office, which isn't always practical. Here you'll find the highly acclaimed Global Petrochemical Industry course split in to seven sections; you'll be led through the petrochemical value chains, from oil and gas to the basic building blocks and the main intermediates, polymers and end-uses.

Petrochemical industry overview

SECTION
01

Ethylene and derivatives

SECTION
02

Propylene and derivatives

SECTION
03

The C4 family

SECTION
04

Aromatics and derivatives

SECTION
05

Syngas and derivatives

SECTION
06

Polymers and economics

SECTION
07



More information can be found in our website:

Training.NexantECA.com/store



Online training

Overview of all online sections and modules

01

SECTION

Petrochemical industry overview

1. Concept of chemicals
2. Energy and reserves
3. Hydrocarbon feedstocks (part 1)
4. Hydrocarbon feedstocks (part 2)
5. Chemical building blocks (part 1)
6. Chemical building blocks (part 2)
7. Making building blocks (refinery)
8. Making building blocks (crackers)
9. Making building blocks (integration)
10. Petrochemical industry (part 1)
11. Petrochemical industry (part 2)
12. Petrochemical industry (part 3)
13. The business cycle
14. Main players (part 1)
15. Main players (part 2)

02

SECTION

Ethylene and derivatives

1. Ethylene and Polyethylene
2. Oligomers and Linear alpha olefins
3. VCM and PVC
4. Ethylene oxide and Ethylene glycol (EO/MEG)
5. Styrene and Polystyrene
6. Ethanol

03

SECTION

Propylene and derivatives

1. Propylene
2. Polypropylene
3. Acrylic acid
4. Acrylonitrile
5. Propylene oxide and Polyols
6. Cumene, Phenol and Acetone
7. Oxo-Alcohols

04

SECTION

The C4 family

1. C4 separation
2. Butadiene and Rubbers
3. ABS, Butene-1 and Butene-2
4. Isobutylene and MTBE

05

SECTION

Aromatics and derivatives

1. Making and Separating aromatics (part 1)
2. Making and Separating aromatics (part 2)
3. Benzene and Toluene
4. Cyclohexane and Nylon
5. Polyurethanes
6. Xylenes, PTA and PET
7. Phthalic anhydride and Plasticizers

06

SECTION

Syngas and derivatives

1. Synthesis gas
2. Ammonia and Fertilizers
3. Methanol
4. Methanol derivatives

07

SECTION

Polymers and economics

1. Polymer processing (part 1)
2. Polymer processing (part 2)
3. Interpolymer competition
4. Introduction to economics



NexantECA partners with clients to help them navigate the big global energy, chemicals and materials issues of tomorrow. We provide independent advice through our consulting,

subscriptions and reports, and training businesses using expertise developed in markets, economics and technology through our fifty years of operation. We are

entirely dedicated to supporting sustainable development of the industry and provide expert advice with efficiency, speed, and agility.



Disclaimer

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