An Introduction to Polyolefins Industry fundamentals and market dynamics

<u>Module 1 (3 hours)</u>	
10 minutes	Welcome and Introduction
45 minutes	 Understanding Petrochemicals and Polymers What are petrochemicals and where do they come from? Steam cracking: a process in making petrochemical building blocks Polymer overview: the value chains and key feedstocks
15 minutes	Break
1 hour	 Examining oil and gas and its relationship with polyolefins Where petrochemicals are produced in refineries Production, consumption and reserves Types of natural gas and distribution: NGL, LPG, LNG The US shale gas revolution: What it means for petchems Coal-to-chemicals value chain: The rise of China
50 minutes	 Pricing and Markets Cost analysis: What are the factors contributing to overall costs of production in a steam cracker-to-polyolefins complex? Understanding cost curves and margins Competitiveness across different regions: how margins vary between the US, Europe and Asia
Module 2 (2 hours & 30 minutes)	
45 minutes	 Polyolefins: different grades and end-use markets Different types of PE and PP and end-use applications PE and PP production technologies A very brief look downstream: different types of plastic processing
15 minutes	Quiz: understanding the value chains
15 minutes	Break
1 hour 15 minutes	 Global polyolefins: headline challenges and opportunities Long-term shifts in demand patterns resulting from the pandemic. Scenarios for global PE and PP consumption in 2021-2025 Impact on the developing world Production and logistics challenges A deep dive into China, the world's most important market A personal view on sustainability
<u>Module 3 (2 hours)</u>	
45 minutes	Polyolefins Markets Part II: Spotlight on the European region

	 Europe's competitive position A profile of the major producers and their capacities Demand prospects after the pandemic Europe's big sustainability push in the global context
15 minutes	Break
45 minutes	 Polyolefins Markets Part III: Spotlight on the Asian region China's dominant role in demand

- Rising self-sufficiency and the regional and global implications
- Southeast Asia and India
- And to conclude with: the global megatrends and their impact on all regions

15 minutes

Summary and conclusion