

Power To X

Power-to-X means using renewable electricity, for example wind power, to create something else ('X'). The 'X' created is an energy carrier – usually renewable hydrogen – which can power medium- to heavy-duty transport or be used in industry.

Period:	Period 4
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Educational management portal:	moodle.unitus.it
Objectives:	Introduction to emerging P2X technologies, processes, products and their future potential.
Programme:	Renewable energy to chemicals and fuels. Power to hydrogen, methane, ammonia, syngas processes (fundamentals, technology, applications, future potential).
Pre-requisites:	i) Fundamentals of Chemistry and Process Technology; ii) Completed Biofuels module
Study material:	<ul style="list-style-type: none">• Lecture slides;• Reading material• Additional literature handed out during the course / made available via Blackboard/Moodle.