



New
Energy
Business School

NOM IN-COMPANY: HYDROGEN, BATTERIES AND LNG

Date: 19 & 20 September

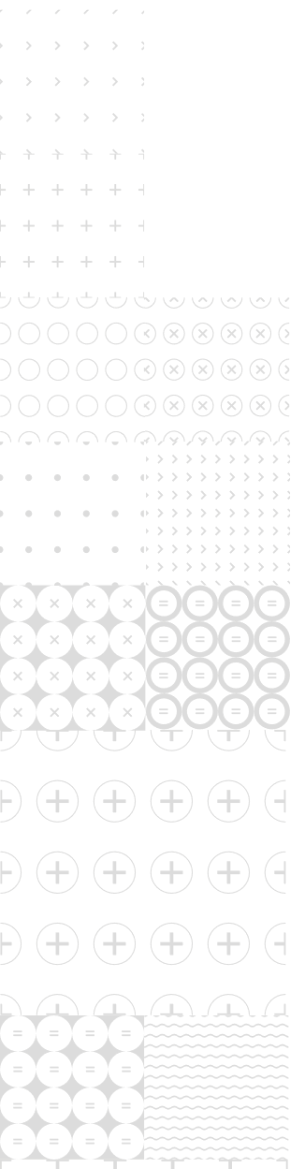
Location: NOM (Paterswoldseweg 810, 9728 BM Groningen)

GRONINGEN



DAY	TIME	TOPIC	LECTURER
Day 1	09:00 – 09:15	Welcome & introduction	NEBS
	09:15 – 9:45	Energy transition: setting the scene <ul style="list-style-type: none"> - Introduction to the energy transition challenge - Few fundamental energy notions 	Julio Garcia (TNO)
	09:45 – 11:00	Hydrogen introduction <ul style="list-style-type: none"> - Basics: hydrogen as an energy carrier - The hydrogen value chain - Different producing possibilities and their scalability and economic potential - End uses, what is likely, what is needed? Benefits and challenges - Costs, scale and new developments 	Julio Garcia (TNO)
	11:00 – 11:15	Break	
	11:15 – 12:15	<ul style="list-style-type: none"> - Hydrogen in the Northern Netherlands: an overview of current projects and opportunities 	Patrick Cnubben (Hydrogen Architects)
	12:15 – 13:15	Lunch	
	13:15 – 15:30	Offshore Energy Game	We go Sustainable
	15:30 – 15:45	Break	
	15:45 – 16:45	The flexibility gap <ul style="list-style-type: none"> - Energy systems demand for flexibility: - Batteries as storage solution, possibilities and challenges - Characteristics of the different types of batteries - Trends and developments 	Marten van der Laan (EnTranCe Centre of Expertise Energy)
	16:45 – 17:45	Batteries' new business models and policies <ul style="list-style-type: none"> - New business opportunities for batteries in the new flexibility markets - Outlook of the flexibility market - Policy mechanisms in place supporting the batteries market 	Marten van der Laan (EnTranCe Centre of Expertise Energy)

*TBC = To be confirmed, TBD = To be determine



DAY	TIME	TOPIC	LECTURER
Day 2	09:00 – 09:15	Welcome & introduction	NEBS
	09:15 – 10:00	LNG introduction <ul style="list-style-type: none"> - LNG basics, what, where and when - Challenges across the value chain - Small scale LNG and mobility applications - Global trends and market developments 	Kees Alberts (Gasunie)
	10:00 – 10:15	Break	
	10:15 – 11:30	LNG's role in the energy transition <ul style="list-style-type: none"> - LNG as a flexibility option - LNG in the mobility sector - LNG as bunkering fuel and isolated consumers - BioLNG 	Kees Alberts (Gasunie)
	11:30 – 12:30	Lunch	
	13:30 – 15:30	<ul style="list-style-type: none"> - Discussion and wrap-up: feel the energy in the North. What are the most promising opportunities in our region in the field of energy? an interactive discussion 	Patrick Cnubben (Hydrogen Architects)

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