



Academy

Laborelec Academy technical training courses

(Open-Registration schedule)

World-leading provider of technical training
for the energy and industrial sector

**For individuals as for companies,
training means new horizons.**

60 years at the forefront of energy also means more than half a century of responding to the needs of our customers and partners. We see every day how powerful a tool training is. Companies want to stay ahead of the game, they want to be equipped to face the challenges ahead, but most of all everybody is looking for reliable partners in that process.

ENGIE Laborelec is putting the expertise of its 300 subject matter experts to work for you in an unrivaled range of practical, relevant, and innovative technical training courses, covering a wide range of topics in the energy and industrial sectors.

DELIVERY METHODS: Live-Online; Classroom; Hybrid.
*(*Classroom-based sessions will be organized if the current health situation allows.)*





Open-Registration offering (1/5)

CONDITION ASSESSMENT AND MONITORING			JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
DURATION (days)	PRICE / PARTICIPANT (VAT excluded)													
Introduction to Vibration Analysis based on Laborelec Vibration Monitoring System (LVMS)	0,5	€ 380				18 (FR dlv) 20 (EN dlv) 25 (FR dlv) 27 (EN dlv)		20 (FR dlv) 22 (EN dlv) 27 (FR dlv) 29 (EN dlv)			20 (FR dlv) 22 (EN dlv) 27 (FR dlv) 29 (EN dlv)		16 (FR dlv) 18 (EN dlv) 23 (FR dlv) 25 (EN dlv)	
Condition monitoring of power transformers through oil analysis - Introduction	2 (2*4h)	€ 490		24-25			19-20				1-2		3-4	
Condition assessment and monitoring of power transformers through oil analysis - Advanced	4 (4*4h)	€ 750			22-25			14-17			27-30			29-2
Condition assessment of rotating machines through oil analysis	1	€ 690	26			27			13				12	
Introduction to failure root cause analysis (RCA)	1	€ 690	27		24			2			8			1
RENEWABLES, STORAGE & MICRO-GRIDS														
Improve yield and reduce costs and risks of large scale photovoltaic power plants	1	€ 690		11				5			9			4
Batteries for energy storage systems: safety and performance	2	€ 1.390				28-29					29-30			
Transitioning to hydrogen: safety of hydrogen installations	1	€ 690			1			7			5			5

* The mentioned dates are subject to change if the required number of participants is not met.



Open-Registration offering (2/5)

	DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
NON-DESTRUCTIVE TESTING														
Introduction to non-destructive testing – NDT	1	€ 690			9			2			1			15
Non-Destructive Testing of metal components manufactured via Additive Manufacturing	3	€ 1.560				20-22			6-8			5-7		
Non-destructive testing (NDT) for diagnosis and post-repair evaluation of reinforced concrete structures	1	€ 690	28			4			4			3		
EXPLOSIVE ATMOSPHERE - ATEX														
ATEX Level 0: fundamentals of ATEX rules and principles	0.5	€ 380	14		4		17		19		1		14	
ATEX level 1: mechanical and electrical course	1	€ 810				11			11			10		
ATEX level 2: mechanical or electrical course	2	€ 1.510				11-12			11-12			10-11		
LIGHTING TECHNOLOGY														
Indoor lighting: requirements, conception, technologies and energy concerns	2	€ 1.390				7-8				4-5				1-2

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Open-Registration offering (3/5)

COMBUSTION AND FLUE GAS TREATMENT			JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
Introduction to solid fuels, gaseous fuels and liquid fuels combustion	DURATION (days) 2	PRICE / PARTICIPANT (VAT excluded) € 1.390		24-25			19-20			29-30			3-4	
Circulating fluidized bed combustion (CFBC)	3	€ 2.100			2-4			22-24			21-23			14-16

MATERIALS TECHNOLOGY			JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
Corrosion in PWR Nuclear Power Plants	2	€ 1.390			14-15			9-10			1-2			1-2
Material damage mechanisms in power plant: Review and mitigation	2	€ 1.390		24-25			12-13			4-5			17-18	
Safety of Thermal Installation (Boilers)	1	€ 690	27			4			4			3		

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Open-Registration offering (4/5)

INDUSTRIAL CYBER SECURITY & INFORMATION SECURITY	DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
			Implementing an Information Security Management System for Operators of Essential Services (OES): Improving the information security posture	3	€ 1.560			16-18			15-17			7-9
Cyber Security Risk Assessment & Management for Operators of Essential Services (OES)	2	€ 1.390	27-28			28-29			28-29			27-28		
Applied cybersecurity training for OT or IT personnel - Bundle	5	€ 4.150			28-1			27-1				24-28		
Applied cybersecurity training for OT or IT personnel - Foundations	3	€ 2.490			28-30			27-29				24-26		
Applied cybersecurity training for OT or IT personnel - Advanced	3	€ 2.490			30-1			29-1				26-28		
CHEMISTRY AT INDUSTRIAL SITES														
Chemistry of the water-steam cycle in thermal power plants	2 (2*4h)	€ 690			3-4			2-3			1-2			1-2
Cooling water treatment in the industry	1	€ 690		25			20			26			18	
Demineralised water preparation	1	€ 690		24			19			25			17	
Introduction to water chemistry in power and desalination plants	2	€ 1.390			10-11			9-10			8-9			15-16

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Open-Registration offering (5/5)

	DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	JAN 2022	FEB 2022	MAR 2022	APR 2022	MAY 2022	JUN 2022	JUL 2022	AUG 2022	SEP 2022	OCT 2022	NOV 2022	DEC 2022
E-MOBILITY														
EV charging infrastructure: enterprizes guidelines for cost-efficient and future-proof sizing	1	€ 690			29			2			1			1
ELECTRICITY														
Electromagnetic compatibility (EMC)	3	€ 2.140			16-18 (FR dlv) 23-25 (NL dlv)		11-13 (FR dlv) 25-27 (NL dlv)				14-16 (FR dlv) 28-30 (NL dlv)		23-25 (FR dlv)	7-9 (NL dlv)
Protection of Medium Voltage electrical networks	2	€ 1.450			10-11 (FR dlv) 24-25 (NL dlv)			2-3 (FR dlv) 23-24 (NL dlv)			8-9 (FR dlv) 29-30 (NL dlv)			1-2 (FR dlv) 15-16 (NL dlv)

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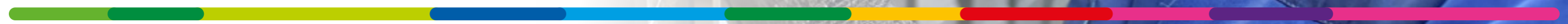
On-demand training capabilities

As an addition to our public open-registration training course portfolio, Laborelec Academy also offers on-demand training tailored to your organization's particular needs. These can be customized versions of existing training courses, or all new topics. With this option you have the possibility of bringing forward real cases or scenarios that you are facing and can also choose the most suitable delivery schedule or format for you.



Some examples of topics on which Laborelec Academy delivered in the past are:

- ♥ Corrosion protection
- ♥ Explosive atmospheres (ATEX)
- ♥ Electromagnetic compatibility (EMC)
- ♥ Automation & process control
- ♥ Combustion & emissions
- ♥ Water chemistry
- ♥ Welding technology
- ♥ Non-destructive testing
- ♥ Root cause analysis
- ♥ Vibrations of rotating machines
- ♥ Condition assessment & condition monitoring
- ♥ Industrial boilers
- ♥ Gas turbines
- ♥ Steam turbines
- ♥ Power transformers
- ♥ Electrical rotating machines
- ♥ Lighting technology
- ♥ Electrical influence
- ♥ Materials technology
- ♥ Renewable energies
- ♥ Industrial cybersecurity





Interested in
Laborelec Academy
technical training courses?

Get in touch with us at
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