



Laborelec Academy technical training courses

(Open-Registration & On-Demand offering)

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

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

55 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 280 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-based sessions will be organized when the current health situation allows.)*





Open-Registration offering (1/5)

CONDITION ASSESSMENT & MONITORING		DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	MAY 2021	JUN 2021	JUL 2021	AUG 2021	SEP 2021	OCT 2021	NOV 2021	DEC 2021
Introduction to Vibration Analysis based on Laborelec Vibration Monitoring System (LVMS)	0,5	€ 380		21 (FR dlv) 23 (EN dlv) 28 (FR dlv) 30 (EN dlv)				21 (FR dlv) 23 (EN dlv) 28 (FR dlv) 30 (EN dlv)		17 (FR dlv) 19 (EN dlv) 24 (FR dlv) 26 (EN dlv)	
Introduction to Non-Destructive Testing (NDT)	1	€ 690		21		16		29			3
Non-Destructive Testing (NDT) for metal additive-manufactured components	3	€ 1.560	5-7		7-9			8-10		24-26	
Non-Destructive Testing (NDT) for diagnosis and post-repair evaluation of reinforced concrete structures	1	€ 690	17		12			17		26	
Condition monitoring of power transformers through oil analysis - Introduction	1	€ 490			30		30		29		10
Condition assessment and monitoring of power transformers through oil analysis - Advanced	2	€ 750	3-4		5-6			6-7		8-9	
Condition assessment of rotating machines through oil analysis	1	€ 690			14		16		11		6
Introduction to Failure Root Cause Analysis (RCA)	1	€ 690			15		17		12		7
POWER TRANSFORMERS											
Condition monitoring of power transformers through oil analysis - Introduction	1	€ 490			30		30		29		10
Condition assessment and monitoring of power transformers through oil analysis - Advanced	2	€ 750	3-4		5-6			6-7		8-9	

* Live-Online delivery. 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)	MAY 2021	JUN 2021	JUL 2021	AUG 2021	SEP 2021	OCT 2021	NOV 2021	DEC 2021
RENEWABLES, STORAGE & MICRO-GRIDS										
Improve yield and reduce costs and risks of large scale photovoltaic power plants	1	€ 690	6		15		16		18	
Batteries for Energy Storage Systems (BESS): Safety and Performance	2	€ 1.390		28-29			23-24			30-1
Transitioning to hydrogen: safety of hydrogen installations	1	€ 690	17		20		30		19	
NON-DESTRUCTIVE TESTING										
Introduction to Non-Destructive Testing (NDT)	1	€ 690		21		16		29		3
Non-Destructive Testing (NDT) for metal additive-manufactured components	3	€ 1.560	5-7		7-9		8-10		24-26	
Non-Destructive Testing (NDT) for diagnosis and post-repair evaluation of reinforced concrete structures	1	€ 690	17		12		17		26	
Introduction to failure root cause analysis (RCA)	1	€ 690		15		17		12		7
E-MOBILITY										
EV charging infrastructure: enterprizes guidelines for cost-efficient and future-proof sizing	1	€ 690	11		20		23		17	

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Open-Registration offering (3/5)

			MAY 2021	JUN 2021	JUL 2021	AUG 2021	SEP 2021	OCT 2021	NOV 2021	DEC 2021
EXPLOSIVE ATMOSPHERE - ATEX										
ATEX Level 0: fundamentals of ATEX rules and principles	DURATION (days) 1	PRICE / PARTICIPANT (VAT excluded) € 690			21		16		15	
ATEX level 1: mechanical and electrical course	2.5	€ 1.200			28-30		22-24		24-26	
ATEX level 2: electrical or mechanical course	4	€ 1.560				24-27		26-29		
LIGHTING TECHNOLOGY										
Indoor lighting: requirements, conception, technologies and energy concerns	2	€ 1.390		14-15		19-20		7-8		6-7
COMBUSTION										
Introduction to solid, gaseous and liquid fuels combustion	2	€ 1.390		14-15		19-20		7-8		6-7
Understanding of "Circulating Fluidized Bed Combustion (CFBC)"	3	€ 2.100	19-21		28-30		15-17		24-26	

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Open-Registration offering (4/5)

MATERIALS TECHNOLOGY	DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	MAY 2021	JUN 2021	JUL 2021	AUG 2021	SEP 2021	OCT 2021	NOV 2021	DEC 2021
Introduction to Non-Destructive Testing (NDT)	1	€ 690		21		16		29		3
Non-Destructive Testing (NDT) for metal additive-manufactured components	3	€ 1.560		5-7	7-9		8-10		24-26	
Non-Destructive Testing (NDT) for diagnosis and post-repair evaluation of reinforced concrete structures	1	€ 690	17		12		17		26	
Corrosion in PWR Nuclear Power Plants	2	€ 1.390			16-17		9-10	14-15		2-3
Material damage mechanisms in power plants: Review and Mitigation	2	€ 1.390	20-21		15-16		23-24		15-16	
Introduction to failure root cause analysis (RCA)	1	€ 690		15		17		12		7
Safety of Thermal Installation (Boilers)	1	€ 690		17		19		14		9
INDUSTRIAL CYBER SECURITY & INFORMATION SECURITY										
Implementing an ISMS for Operators of Essential Services (OES): Improving the information security posture	3	€ 1.560		14-16		23-25		25-27		6-8
Cyber Security Risk Assessment & Management for Operators of Essential Services (OES)	2	€ 1.390		17-18		26-27		28-29		9-10

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Open-Registration offering (5/5)

CHEMISTRY	DURATION (days)	PRICE / PARTICIPANT (VAT excluded)	MAY 2021	JUN 2021	JUL 2021	AUG 2021	SEP 2021	OCT 2021	NOV 2021	DEC 2021
<u>Chemistry of the Water-Steam Cycle in Thermal Power Plants</u>	1	€ 690		7-8 (4h/day)		5-6 (4h/day)		14-15 (4h/day)		1-2 (4h/day)
<u>Cooling water treatment in the industry</u>	1	€ 690	3		5		6		8	
<u>Demineralised water preparation</u>	1	€ 690		25		27		29		10
<u>Introduction to water chemistry in power and desalination plants</u>	2	€ 1.390		17-18		19-20		21-22		2-3
<u>Condition monitoring of power transformers through oil analysis - Introduction</u>	1	€ 490		30		30		29		10
<u>Condition assessment and monitoring of power transformers through oil analysis - Advanced</u>	2	€ 750	3-4		5-6		6-7		8-9	

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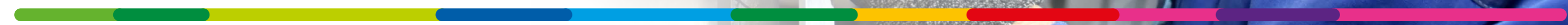
On-demand training capabilities

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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