DE LORENZO



Didactic Laboratories for **Electrical Installations**

KEY NUMBERS

8 Products
220 Practical experiences
220 h Theoretical lessons
110 h Practical lessons

30 STUDENTS

WHO IS FOR

- Automation and Control Engineering
- Mechatronics Engineering
- Automation Technician
- Automatic Systems Maintenance Technician
- Mechatronics Technician
- Electric Technician

Didactic solutions for the future of Electrical Installations

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LABORATORY [DL ELINSTLAB]

ELECTRICAL INSTALLATIONS

Electrical installations are the set of electrical circuits intended to provide electrical energy to buildings, installations, public places, and infrastructure in general. They include the necessary equipment to ensure their correct operation and the connection with the electrical devices for their operation.
Currently, residential, commercial, and industrial electrical installations form the institutional nervous system. They are highly relevant since an inadequate design, faulty installation or poor maintenance can cause anything from the temporary stoppage of company operations to accidents and material damage in the home, business, or company. Most of the fires that occur in each of these environments are caused by failures in electrical installations.

At De Lorenzo, we manufacture didactic systems so that technicians, engineers, and electrical specialists are able to develop theoretical-practical experience in the planning, development, and implementation of civil and industrial installations with the use of real industrial-grade components integrated in practical and flexible trainers.

Electrical installation laboratories aim to develop cognitive processes and professional competencies comprised of knowledge, skills, and attitudes **for comprehensive student training in the fields required by the industry**, covering everything, from measurement and protection techniques to the concepts of industrial and home automation.

ELECTRICAL INSTALLATIONS

VIRTUAL LABORATORY ELECTRICAL INSTALLATION

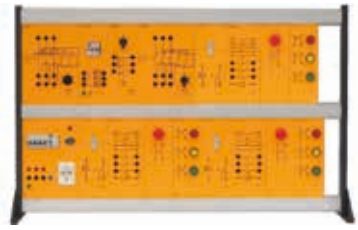
PROTECTIONS



LABORATORY [DL ELINSTLAB]

ELECTRICAL INSTALLATIONS

ELECTRICAL INSTALLATIONS



DL 2102T

VIRTUAL LABORATORY ELECTRICAL INSTALLATIONS



DL SMART-CIVIL

PROTECTIONS

DL 1103





DL 2102C2

LABORATORY [DL ELINSTLAB]

ELECTRICAL INSTALLATIONS

30 STUDENTS

STATION	CODES	EX.	DESCRIPTION	Q.TY	COMPUTER REQUIRED
PROFESSOR STATION	-	-	PROFESSOR DESK	1	
	-	-	PROFESSOR CHAIR	1	
	-	-	PROFESSOR COMPUTER	1	
	-	-	PRINTER	1	
	-	-	INTERACTIVE WHITEBOARD	1	✓
	DL 2101T	23	TOTAL CIVIL INSTALLATIONS	1	
	DL 2102T	38	TOTAL INDUSTRIAL INSTALLATIONS	1	
	DL SMART-DASHBOARD-1A		CLASSROOM MANAGEMENT FOR SMARTSIMS	1	✓
ELECTRICAL INSTALLATIONS	DL 1103	-	CENTRAL 4 PLACE WORK FRAME WITH 4 SUPPLIES	8	
	DL 1100SD	-	JUNCTION BOX	32	
	DL 1100D	-	GRID PANEL	32	
	DL 1100E	-	STRIP PANEL	32	
	DL 1100C6	-	PANEL FOR FLUSH-MOUNTED CIVIL PLANTS WITH 6 TERMINAL BOXES	32	
	DL 1100A	-	TOOL KIT	32	
	DL 2101	21	CIVIL INSTALLATIONS	16	
	DL 2102C2	23	COMPLETE INDUSTRIAL INSTALLATIONS	16	
	DL 2102A	-	THREE-PHASE MOTOR	16	
	DL 2102D_F50	-	DAHLANDER MOTOR	16	
	DL 1100N	-	ENCLOSED BOARD HOUSING WITH 6 PLACES	11	
	DL NTP001	-	NETWORK TECHNOLOGY TRAINING PACKAGE	8	
	DL SOLAR-KIT	7	SOLAR PHOTOVOLTAIC ENERGY INSTALLATION KIT	8	
VIRTUAL LABORATORY ELECTRICAL INSTALLATION	DL S-CIVIL-30C50U	43	CIVIL ELECTRICAL INSTALLATIONS VIRTUAL COURSE DL SMART-CIVIL	1	✓
	DL S-INDUST-30C50U	62	INDUSTRIAL ELECTRICAL INSTALLATIONS VIRTUAL COURSE DL SMART-INDUSTRIAL	1	✓
PROTECTIONS	DL PROT-EL	4	ELECTRICAL PROTECTION STUDY AND COORDINATION	4	
	DL 1001-1-08	-	BASIC BENCH 2 X 1 X 0.8 MT	4	
FURNITURES		-	STUDENT CHAIR	32	
	DL 1001-1-08	-	BASIC BENCH 2 X 1 X 0,8 MT	16	
	-	-	STUDENT COMPUTER	32	
	-	-	CABINET	10	

The laboratory proposal can be adjusted to fit clients needs

MISSION

Educational Innovation for a Sustainable Future

Our mission is to provide cutting-edge educational solutions that equip new generations of technicians and engineers in the renewable energy sector. In a world facing increasingly urgent environmental challenges, De Lorenzo is committed to creating innovative educational laboratories that allow students to gain both practical and theoretical skills in sustainable energy.

By integrating **technology**, **pedagogy**, and **hands-on experience**, our goal is to support the development of cleaner, more efficient energy solutions, contributing to the training of professionals capable of leading the transition toward a sustainable future.

Our VALUES

- PEOPLE
- INNOVATION
- AGE
- TEAMWORK
- QUALITY
- HONESTY AND INTEGRITY
- FLEXIBILITY
- INVOLVEMENTS



LABORATORIES

Shaping the Future, Fueling Innovation

De Lorenzo is a comprehensive provider of **educational services**. Its offerings include laboratories designed to facilitate the transfer of technical knowledge and essential soft skills, such as:

PROBLEM SOLVING **CRITICAL THINKING** **TEAMWORK**

For each discipline, De Lorenzo provides fully **equipped laboratories** with high-quality tools and materials, essential for achieving educational goals.

Tailored Solutions
for Effective Learning

Our setup provides a turnkey, **flexible, and fully customizable solution** to meet any educational need. Whether for small classes or large groups, our labs **can be scaled with the right number of products to ensure an optimal and engaging learning experience.**



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STEPS
for a succesful project



01

Proposal
of the necessary equipment to furnish the laboratory*.

02

Listening
to the client's needs. Definition of the teaching objectives, and analysing the socioeconomic context of the region.

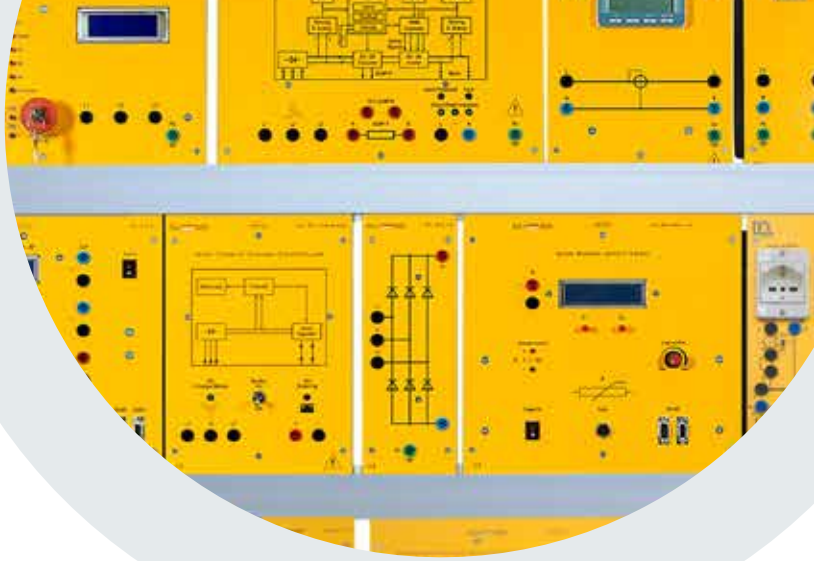
03

Analysis
of the available teaching spaces, pre-existing resources and technical expertise.

04

Definition
of the relevant laboratories to reach the desired teaching objectives.



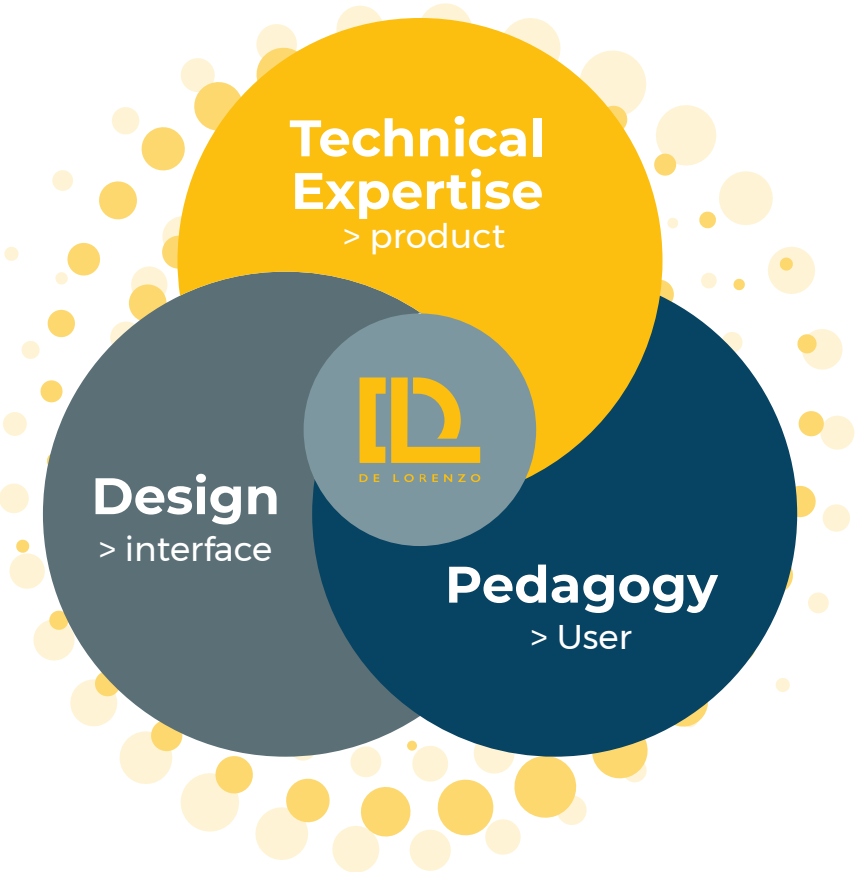


OUR PRODUCTS

Technology that teaches, innovation that inspires

Creating **turnkey educational labs** that boost student engagement and simplify teaching is an integral part of De Lorenzo's DNA. We are committed to the continuous improvement of our products to facilitate both learning and teaching, and to implementing cutting-edge techniques for effective knowledge transfer.

De Lorenzo's products embody a synthesis of **TECHNICAL, PEDAGOGICAL, and DESIGN** expertise. To effectively facilitate knowledge transfer, it is essential to consider all of these aspects. **In the design of educational labs, the elements of interaction between users and product (Design) and between users and subject matter (Pedagogy) are just as crucial as technical knowledge.**





1

TECHNICAL EXPERTISE

Engineering Precision, Boundless Learning

Our products are crafted by passionate technicians and engineers who work to make every essential technology accessible for education in today's society.

De Lorenzo products embody both the **substance of the subjects they teach** and **the tools to teach them**. Technology that demonstrates and teaches itself.

The designers at De Lorenzo understand the challenges faced by students and educators, striving to remove barriers in learning and teaching. This commitment ensures that our products make complex subjects easier to access and understand.



2 DESIGN

Functionality that inspires, aesthetics that engage

The products that compose the De Lorenzo laboratories are educational. Therefore, the interaction between the user and the product is central. For this reason, De Lorenzo products are created in Italy, designed to facilitate the user experience and enhanced by **didactic manuals and software that simplify teachers' work and encourage student learning.**

Colours, international symbology, a clear interface and the ergonomics of the components are just some of the features considered during the design process.

CHARACTERISTICS

- **INSTINCTIVELY COMPREHENSIBLE** Synoptic tables, images and international coding make it easy to find your way around
- **EASY TO USE** Self-explaining
- **FUNCTIONAL** Intuitive: designed to simplify learning
- **RESISTANT** Manufactured in Italy, with high quality raw materials
- **MODULAR** Replaceable, interchangeable, easily repairable
- **COHERENT** Appearance, mode of use, maintenance
- **WITH RELEVANT AESTHETICS** Well-finished aesthetics facilitates attention maintenance
- **SAFE** Product and line safety is guaranteed



3 PEDAGOGY

Maximising the potential of every learner

De Lorenzo develops teaching equipment that integrates fundamental pedagogical principles such as **simulation of real challenges, repetition, imitation and playfulness**. The laboratories support teachers in creating captivating lessons, keeping students' attention high.

The laboratories facilitate the application of these principles, but do not replace the teachers' skills. For this reason, De Lorenzo **trains teachers through its Academy**, enabling them to exploit the products' potential to the fullest, even **creating new experiments** in addition to those in the manuals. In fact, De Lorenzo's products are open and allow the exercises to be extended.

FUNDAMENTAL PEDAGOGICAL PRINCIPLES	
Experience-based learning	✓
Integration of theory and practice	✓
Immediate feedback	✓
Didactic support	✓
Continuous evaluation	✓
Autonomous learning	✓
Collaboration and teamwork	✓
Integration and accessibility	✓
Reflectiveness and critical thinking	✓





4 ACADEMY

From design to autonomy: your educational partner

An environment dedicated to the choice, design and use of teaching laboratories, where theory meets practice, offering students a complete educational experience.

A team of professionals who solve the problems of consultants and teachers daily will provide you with a 360° view of the potential of the products to create high-level teaching, making you autonomous in their exploitation.

A team that has gained experience and skills over the years in national and international design, production, and consultancy will explain to you how to choose laboratories, optimise resources, and didactically use the product for the transfer of technical knowledge.

KEY NUMBERS

- 106 hours of training per year
- 16 courses per year
- 5 Trainers in HQ
- 12 Trainers on-site
- 70 countries of origin of trainees
- Courses available in 5 languages

WHO IT IS ADDRESSED TO

- Professors
- Educational consultants
- Resellers
- HR development managers
- Ministers

Experience the
Future of Education.
Let's Talk About
Your Project!

DE LORENZO

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