



EDUCATIONAL LABORATORIES

INNOVATIVE TECHNOLOGIES

polytech

Educational Systems



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- Experiment simulations
- Remote fault simulation
- Engineering Labs
- Mobile Science Lab
- Interactive Class
- Technology Labs
- Experiment Kits
- e-Class
- Multimedia
- Trainers
- Digital Labs
- Lab Instruments
- Demonstrators
- Data Acquisition
- Modular Emulators
- Science Lab Simulator
- Student Response System (SRS)
- Remote measurement

POLYTECH SA, since 1984, is dedicated exclusively to **design, develop** and **implement didactic solutions** and **laboratories**. POLYTECH products aim to achieve **three important objectives** in a wide range of technology sectors:

‣ To simplify the student's learning process by integrating the **new didactic and information technologies** into the conventional and theoretical content of each subject.



‣ To upgrade the **teacher and student classroom interaction** by offering modern tools which interconnect the teacher demonstrations and presentation with the student class-work and lab activity.

‣ To create a **dynamic, computer assisted laboratory**, open to new adaptations, simulations, updates and modern technologies as well as Didactic innovations.



In order to meet the varying needs, POLYTECH offers **flexible** and **adaptable systems** that ensure **maximum compliance** with current state-of-the-art technologies and the skill demands of the local industry.

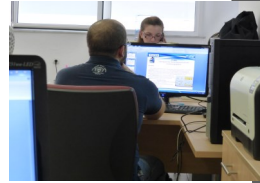


All equipment and products meet the **widest range of Science and Technology** curricula for **All Levels of Educational Institutions**. There is a vast number of **Hardware and Software platforms** and configurations offered which meet **customer's needs and budgets**.

POLYTECH, by operating on an **international level**, proposes various laboratory solutions, **compliant** with local and international educational programs and in accordance to the **training specialization** or **professional orientation** requirements of the end users.

POLYTECH S.A. is located in Larisa, Greece. It is the largest, **single company** of this sector in the territory of Greece. The company is operating in **modern and spacious facilities** with **state-of-the-art** equipment for the **design** and **production** of its scientific and educational products, including **hardware** and **software** integration.

POLYTECH's human resources are highly qualified and educated individuals, continuously trained and always updated to the new industry and technology standards. All products are results of the team effort amongst the departments of: R&D, Scientific applications, Software development, Electrical & electronics design, CAD/CAM, Mechanical and their staff.



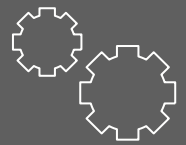
The company, aside of its own product development, is involved in a **great number of EU funded R & D projects** with a variety of technological scopes and in most cases in collaboration with local Universities and/or other government organizations.

POLYTECH through the years has a successful record in **designing and implementing** a great number of **complex educational projects** and a **proven record of capability** to implement **large scale projects**, as:

- ▶ The installation of more than **1000** engineering and technical laboratories, (EU financed project) in Greece. **2009**
- ▶ The installation of **1200 Mobile laboratories** for General Sciences in the territory of the Russian Federation. **2014**
- ▶ The supply of more than **3000 Digital laboratory sets** for the General Science-Secondary level of Education in the territory of the Russian federation. **2015**
- ▶ The supply of more than **3000 Data Acquisition systems** in the territory of the Russian Federation. **2016**
- ▶ The installation of more than **70** Vocational laboratories in the Russian Federation **in the last 9 years.**
- ▶ The Installation-Modernization of the Vocational centers in Albania with **100+** different training laboratories. **2018**

EXPERIENCE

35 years of providing solutions on local or international level establishes the integrity and the vision of POLYTECH in the Educational and Technology market place.



DEVELOPMENT

By providing continuous training of its scientific and technical personnel, by adapting the didactic concepts to the modern upcoming technology trends and by continuous research and development, POLYTECH establishes a highly reliable infrastructure and a technology road map which all clients need to depend on.

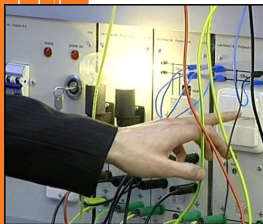


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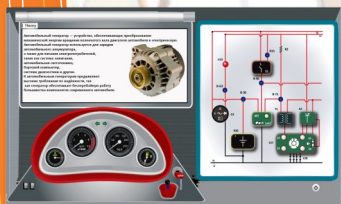
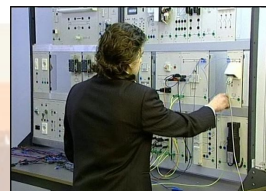
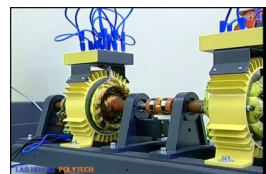
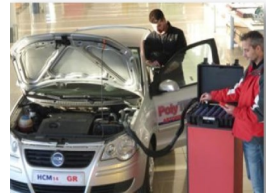
In our website all our clients or new comers, can find more detailed description of our products available in the sector of Engineering, and Vocational training as well as in the General Scientific education.

OUR PRODUCTS

For the **ENGINEERING & VOCATIONAL** sector, all training labs cover most of the technological sectors included in the training courses of vocational schools, technical institutes and universities, both in national and international territories. Indicative sectors being covered are:



ELECTRICAL ENGINEERING
ELECTRONICS – MECHATRONICS - PROCESS CONTROL
TELECOMMUNICATIONS
AUTOTRONICS
BIOMEDICAL EQUIPMENT
AUTOMATION
HOUSEHOLD AND INDUSTRIAL INSTALLATIONS
REFRIGERATION AND AIR CONDITIONING
RENEWABLE ENERGY - ECOLOGY
WELDING SIMULATION
MATERIAL SCIENCE
CNC / CAD / CAM DESIGN
ENGINEERING PRINCIPLES
OIL INDUSTRY
GREEN ENERGY
FLUID MECHANICS
AGRICULTURAL
SANITARY SYSTEMS
ADVANCED TELECOMMUNICATIONS



POLYTECH's products are **results** of continuous **research** and **development** in conjunction to adaptation of technological advancements and modern developments in the fields of industrial technology, science and engineering.

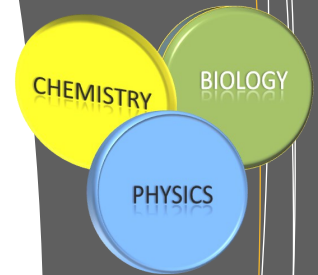


For **GENERAL SCIENCES**, POLYTECH's Science laboratories and scientific applications cover all the curriculum and extra curriculum laboratory works for natural sciences including Physics Chemistry and Biology.



POLYTECH for classes K6 to K12 has developed a unique product range which combines the most modern technologies and applications in teaching. The **PCB concept** is a **Full Featured Mobile Laboratory Cart** which turns any Classroom to a modern science laboratory. Totally independent for any specific laboratory infrastructure, the PCB concept brings the schools to the new generation on didactic process.

Every mobile cart is driven by **POLYTECH'** s **PCB 100** core software system, a centralized, networked, powerful and unique application which offers a Laboratory environment. It interconnects the teacher theory, work and demonstrations with student performances, activities or experiments, laboratory simulations, experiment simulations, data acquisition system and sensor application, multimedia, interactive board interface, remote student response system, work and quiz management and of course all the scientific experiments, which are required in this level of science lab work.



PCB 100 is the most modern Science Didactic application platform available in the market today, including CAI applications, Classroom management applications, CRS, Simulations and more...



Additionally to the PCB concept, POLYTECH has developed many more products for student experimentation in various kit configurations such as Digital lab kit **BT11**. BT11 is a unique, small, experimental platform offering 100 experiments in sciences using exclusively a powerful and yet simple data-acquisition set of dataloggers and sensor and **many more products** including kits for **all K1 – K12 classes**.



Education is the back bone of any nation or society.

POLYTECH serves this sector and has always approached it with **Integrity**, **Vision** and above all with **Respect** to the client needs and specs.

POLYTECH is the best partner for any client to assist and implement all the phases of an education Project. From conceptual design and curriculum specifications to installation and training, POLYTECH always offers its best resources and products.

ISO 9001: 2015



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“What I hear, I forget ... What I read, I understand...

What I do, I KNOW!”