



# AlecopGroup

Knowledge & Technology

## Technical Training Solutions



# ABOUT THE COMPANY



For more than 50 years the Alecop name has been synonymous with providing quality learning solutions to education and training establishments around the globe.

The Alecop company was founded in 1966 by José María Arizmendiarieta, a priest from Mondragon, a town in the Basque region of northern Spain. Today the Basque region is recognized internationally as a center of excellence for technical education, introducing and developing innovative models and methodologies which are employed in many countries worldwide.

Initially Alecop identified the need to provide the local population with the skills required to meet the demands of society, focusing on linking training programs with work experience. Nowadays, the activities undertaken by the group include learning services, management of training providers and the development and

manufacture of technical training systems, based on integrated software and hardware solutions, to equip cost effective and scalable laboratories.

Alecop is a part of the Mondragon Corporation which is one of the largest companies in Spain. It is a cooperative organization, owned by its workers, and in total provides more than 80,000 jobs worldwide and has a turnover in excess of Euros 11bn. Its 4 primary business areas are Finance, Industry, Distribution and Knowledge.

The famous Mondragon University is also a part of the Mondragon Corporation. Alecop works together with the university, and other training and research establishments in the Basque region; to identify learning requirements, to help design and test products and to develop curriculum and state of the art systems. Local students spend time working in the company to gain invaluable experience and to apply and improve their skills.



# Technical Training Systems



## Renewable Energy

Laboratory based solar, wind and fuel cell solutions to show all aspects of the generation, storage, protection and use of renewable energy systems independent of prevailing weather conditions with conventional or virtual instruments.



## Electrical Machines

Dissectible machines to safely understand the internal workings of electric motors. ProLAB is a comprehensive system which can be manually controlled or operated remotely to teach and test all aspects of electrical machines.



## Automotive Engineering

The study of automotive mechatronics covering sensors and actuators, ECU, CAN and LIN buses and hybrid vehicles and larger trainers covering engines, braking systems, air conditioning and auxiliary systems. All include fault insertion.



## Control and Instrumentation

Integrated systems with optional Matlab® interfaces to study open and closed loop control systems for various industrial processes such as position, speed, acceleration, level, flow, pressure and temperature.



## Power Electronics

An increasingly important subject which is the study of switching electronic circuits used to control the flow of electrical energy and to efficiently and safely convert it from one form to another for distribution and supply.

Alecop manufactures a range of training systems addressing requirements in technical schools, industrial training organizations and Universities. We design all products to be both educationally valid and industrially relevant to ensure students get the best possible understanding in the subjects they are studying. Engineers need 'hands-on' training but, where beneficial, software is used to complement the hardware and to provide cost effective scalable solutions to address expansion and future requirements.

All products are manufactured in our factory in Spain to ISO9001 standards, and all carry the CE Mark and are covered by comprehensive warranties. In the international market we work with the best partners to provide local support to our products, both pre and post-sale, and to work with our customers so that we can always provide an excellent service.



### Manufacturing Systems

A range of CNC Lathes and Mills using standard industrial controllers. Our innovative Winunisoft<sup>®</sup> software emulates various controllers and includes an ISO editor for developing programs using a 2D and 3D simulation.



### Electricity and Electronics

Modular and flexible systems for teaching various aspects of analog and digital electricity, electronics and electromagnetism from basics through electronic communications and semiconductor devices.



tion and curriculum material for both the student and the instructor.

# OUR GLOBAL PRESENCE



Alecop is involved in the administration of training establishments globally. Besides Mondragon University in Spain Alecop operates its own universities in Mexico and Colombia and has managed colleges in the Middle East and Africa. It has successfully fulfilled projects in many countries and has developed curriculum and courseware across many disciplines and subjects.

Alecop's international involvement in these areas of Education and Training; has given

it a unique insight into the challenges, both academic and commercial, faced by educators and their establishments in the 21<sup>st</sup> Century. Every training solution produced by the company is educationally valid and industrially relevant which, together with enhanced safety features and curriculum materials, ensures a winning combination. Alecop welcomes the opportunity to work with you to develop solutions for your training needs.



Learning is experience. Everything else is just information

*Albert Einstein*



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