



When accuracy matters.

Formulation - Coating - Printing.
Innovative, high-tech films for industrial applications.

Alqio integrated components: meeting the most specific needs with the most accurate industrial solutions

There is an optimum point of balance between what our industry requires, what our technology makes possible and what our world can sustain. This point of convergence is defined by one thing: accuracy.

At Alqio, we co-develop and produce integrated functional surfaces, reaching the perfect balance in terms of materials, energy, expertise, technology and budget:

- thin and ultra-thin films with advanced mechanical, chemical and protective properties
- electroactive solutions (transducers, sensors, heating films, etc.)

Far from being a limitation, this dedication to accuracy embodies our methods, our commitment, and our way of addressing real-world needs in real-world conditions, in order to provide real-world results.

In a world in constant motion, blurred by the virtual, we choose to focus on a single purpose: What needs to be, exactly as it should be.



When accuracy matters

The industry of the 21st century will thrive on accuracy – or it will cease to thrive at all. Our mission is to enable our partners to enhance the performance of their products by co-developing and producing flexible, durable and discreet components, designed with the utmost accuracy at every level: materials, technology, energy, costs, and integration.



"For us, every partnership is an opportunity to contribute to projects that rewrite the rule book, drive society forward and expand the possibilities of responsible innovation."

Our values: what drives our actions every day

Precision

Every factor, every setting, and every parameter counts. Technical accuracy is what guides our formulations, our procedures and our quality control.

Co-development

Innovation flows from a hive mind; we work hand-in-glove with our customers to create the best possible solutions.

Responsibility

Contributing to projects that serve the needs of both people and the environment is the very foundation of our industrial commitment.

Pragmatism

Our approach is practical and efficiency-focused: we innovate to solve the real-world problems our customers face.

Efficiency

Doing more with less: we're constantly striving for the perfect balance between performance, impact and purpose.

Our fields of application



Formulation



Sensors and printed electronics



Electroactive films



Specialized coatings



Functional surfaces

Our expertise

→ **Materials & Formulation**

- Mixing, Grinding, Dispersion
- Organic, solvent-free, aqueous solutions
- Carbon nanotubes (CNT), graphene, metallic oxides, nanowires
- Conductive polymers
- Electroactive polymers

→ **High-precision coating and printing**

- Engraving
- Slot-die
- Flatbed and rotary screen printing
- Membranes
- ISO8 clean room

→ **Fully customized design**

- Substrate $\geq 4\mu\text{m}$
- Plastic, metal, paper films, porous substrates, etc.
- Dry coating from 0.1 to 100 μm
- Widths from 100mm to 1050mm
- Sheet-to-sheet printing (max 600x600mm)
- Multi-layer (5 layers)
- Laser cutting
- Patterning

Our key markets



Predictive maintenance (industry)



Protection and security



Energy management (renewables, energy-efficiency)



Sport



Advanced materials



Healthcare and medical equipment



Technical textiles

**Our expertise:
active in every key phase
of development.**



Testing and characterization

Our laboratory enables us to carry out in-depth analysis of physio-chemical, chemical or mechanical properties.



Development of liquid formulations

We have the tools and expertise to study mixtures and mixing/dispersion processes based on complex materials.



Development of coatings and printing at pilot scale

Using flat or flexible substrates in rolls (R2R) or sheets (S2S).



Upscaling for coatings and large-scale printing

Extendable capacity of several million linear meters.

Our resources

Part of an industrial group with over a century of industrial experience: the Armor Group offers unique expertise in the fields of formulation, coatings, precision printing and surface transformation. We mobilize a dozen expert staff, one laboratory and two workshops fully dedicated to formulation, coating and precision printing.



Alqio is an affiliate of the Armor Group, a leading industrial operator with over a century's worth of experience in the manufacture of essential components.

100 years of expertise
in chemical formulation
and precision coating

12 production sites
A global presence

2,500 staff
on 5 continents

€446 million in revenues
(2024)

