



 Resirene

We create solutions with
world-class products

Resirene

We are a growth-oriented company within the plastic industry, innovating and diversifying through quality products and services. We also take responsibility for increasing profitability, as well as satisfying the needs of our stakeholders.

From 1978, the year **Resirene** was born to our present day, we have own up to our history and the impact we have made in the industry. The facts and successful results point out our competitiveness, innovation, diversification and product differentiation; not to mention, the clear commitment to customer service that has characterized our company.

To all of us who work at **Resirene**, it is exciting to be a part of a successful company that has a clear vision of the future. We know that new challenges will arise, but we prepare ourselves every day to outface them with new solutions.

Our specialty: the manufacturing and marketing of styrene polymers and copolymers. They have plenty of applications and can be diverse, complex and tend to change continually. Hence, the constant and accelerating demand for innovation in order for clients to not compromise growth. Therefore, to hedge their investment we offer products such as thermoplastic elastomers, bioplastics, compatibilizers and technical compounds. They all respond to the squeezing demands of the market. Recently, Resirene added a chemical division to its portfolio, expanding then, its reach.

Globalization and the emerging competition take shape of challenges that we overcome through justified optimism and confidence. The reason is clear: **Our People**.

It is evident to us that having a talented and committed staff in our team has been the key to shape the **Resirene** we know today. We are proud of our roots and have a strong sense of belonging. We put our passion, capacity and infrastructure at the service of the clients. The name Resirene has now a prestige and could not have been accomplished without the balance between people, businesses and the environment.

Welcome.

We are a part of **KUO Group**

KUO Group is an industrial and commercial conglomerate with global presence in over 70 countries. Its business strategy is based on a diversified portfolio and a multicultural team of around 20,000 people by 2017. It exports about 52% of its total production and reports annual sales exceeding the USD 2,000 million in 2017.

Its portfolio includes 9 business units divided into 3 segments:



CHEMICAL	FOOD	AUTOMOTIVE
DYNASOL	HERDEZ / DEL FUERTE	TREMEC
RESIRENE	KEKÉN	TF VICTOR
		MORESA
		DACOMSA
		FRITEC

RESIRENE. The business unit specialized in the production and marketing of styrene-based resins. Our products are primarily styrene polymers and copolymers, as well as other specialty plastics and chemicals.

STYRENE POLYMERS



- General Purpose Polystyrene (GPPS)
- High Impact Polystyrene (HIPS)
- Flame Retardant – High Impact Polystyrene (HIPS-RAF)

SPECIALTY RESINS



Technical compounds, Alloys and Compatibilizers



Transparent copolymers (SMMA)



Thermoplastic elastomers (TPE)



Bioplastics

CHEMICAL PRODUCTS

- Acetone
- Cyclohexane
- Phenol
- Methyl-methacrylate
- Acrylonitrile
- Styrene
- Formol

South America



● HERDEZ / DEL FUERTE



Europe



BELGIUM

TREMEC

SPAIN

DYNASOL

Asia



CHINA

DYNASOL

INDIA

TREMEC

This is how we think,
how we act and who we are



We act upon principles of ethics such as, transparency, social responsibility and environmental protection

Under our Corporate Governance, we are committed to all stakeholders by complying with the principles of Corporate Social Responsibility, such as:

- Equal opportunities
- Free association
- Life quality at the workplace
- Job safety
- Positive relationship with the community and dialogue with our stakeholders
- Corruption fighting
- Sustainable manufacturing and environmental protection

Also, we have implemented a Human Capital management model that allows our leaders to identify and organize teams based on their strengths and talents, ensuring the creation of value for our stakeholders.

Therefore:

- We provide opportunities for all staff to develop their talents and to be recognized by the company. Resirene strives to maintain the hiring of competent staff
- Encourage effective collaboration under the best working conditions and leadership styles, which ensures personnel satisfaction
- We model a culture of high performance, giving recognition for the achievement and value added
- We promote individual development through self-learning, training, work and formal education
- We promote well-balanced environment between the individual, the company and the working environment, also between value creation and employees' quality of life

Our model of human capital development allows us to identify and recruit the most promising talent. This in turn, translates their work into transformation, improvement and business sustainability.



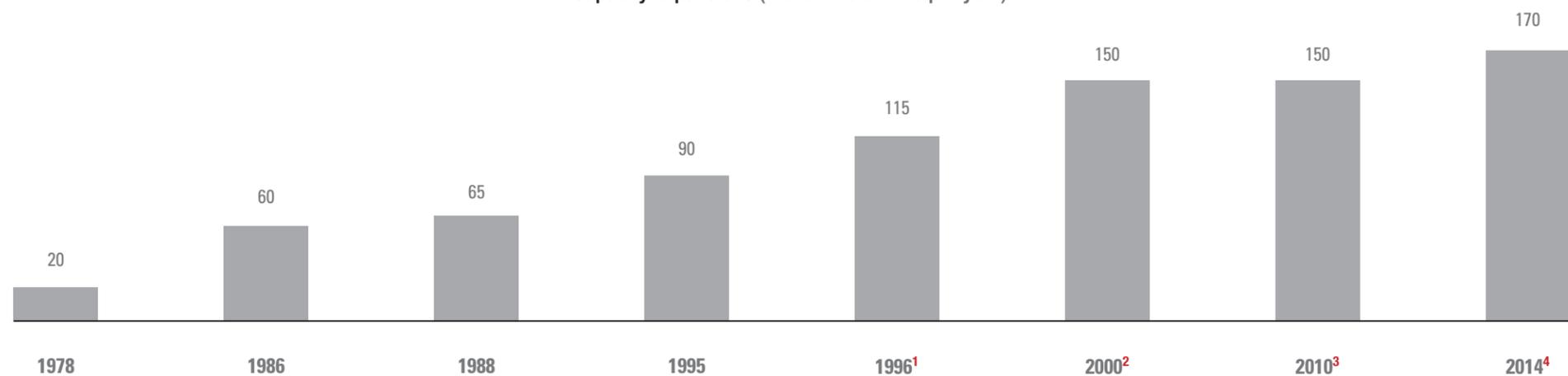
A great story of growth and development



Resirene's history dates back to 1978, then the Industrial Group Resistol (GIRSA), started operations of a polystyrene plant in Tlaxcala. In 1986, a second plant was built in Coatzacoalcos, Veracruz; and in 2000, a third line at the Tlaxcala site. In 2007, a corporate restructure demanded a different organization by differentiating the real estate and industrial businesses. The latter set of businesses became a new company group called KUO, which Resirene is also a part of.

- 1996** Resirene Increases its capacity to 50 Mty, Kinetic technology of Resirene¹
- 2000** Resirene increases its capacity by adding a new production line of 35 Mty²
- 2010** Resirene consolidates both Coatzacoalcos and Tlaxcala Plants³
- 2014** By improving our processes our production capacity increases by 20 Mty⁴

Capacity expansions (thousands of tons per year)





We manufacture **and innovate** with our own technology



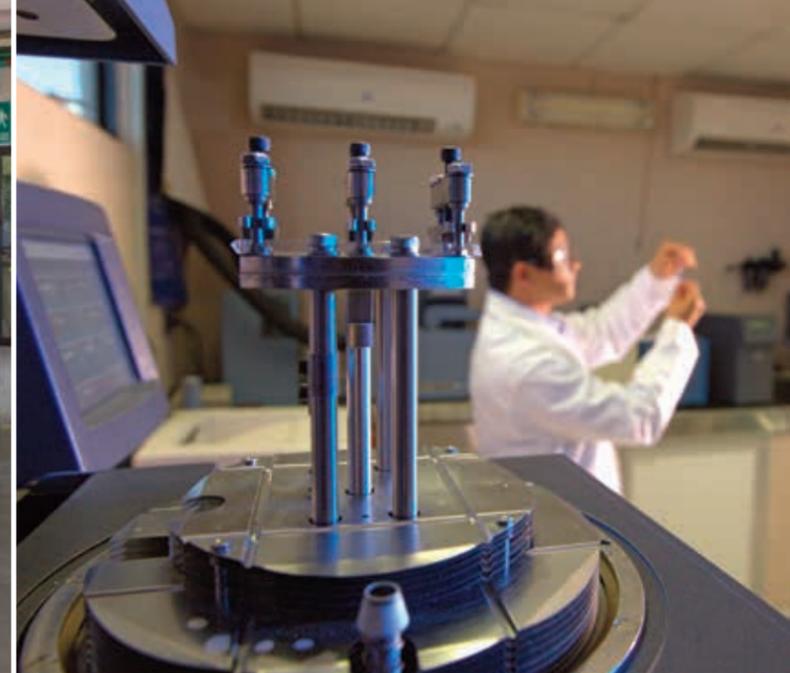
By 2015, we reached an installed capacity of 170,000 metric tons per year (375 million lb), split in 3 continuous-polymerization lines.

These plants are also swing-lines, capable of producing both generic and specialty grades, at high productivity levels. The development of new polymerization products and their optimization has been made possible by the operation of pilot plants. There, our to-be process engineers have the chance to be trained in the polymerization processes and technologies.

The compounding process, by which we produce also a variety of products, combines several lines adding up to an installed capacity of 4,000 metric tons per year (~9 million lb).

As in the polymerization processes, we take advantage of lab-scale compounding infrastructure to support the compounding division. This allows engineers to try a variety of different formulas and compositions to develop the best possible solutions to meet market demands.

Resirene's Applications Development facilities allows an in-depth assimilation of the relationship between technologies, formulations and product performance; everything supported by state-of-the-art laboratories and infrastructure that in turn increases the knowledge and real-life experience of our technical support engineers.



Creating innovative solutions

Resirene has continuously invested on its R&D infrastructure. As a consequence, all data obtained on its specialized labs is transformed into valuable information that when applied; closes the loop data-information-knowledge.

Specialized labs:

- Polymer synthesis
- Polymer molecular characterization
- Thermo-rheological properties
- Mechanical performance
- Processing and applications



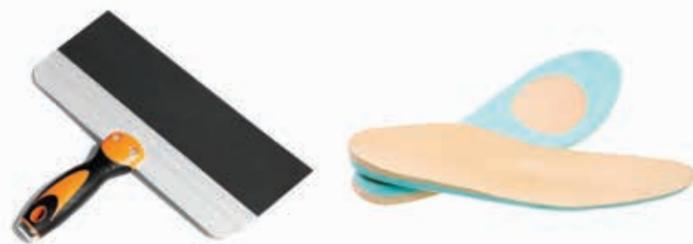
Our products and brands

Creating world-class solutions



Transparency and processability solutions

Copolymers designed for the manufacturing of transparent products that also demand mechanical performance, dimensional stability, scratch resistance and sometimes flexibility. This product family is very advantageous in terms of cost and ease of processing compared against over-engineered resins.



Elasticity and multi-form solutions

Our thermoplastic elastomers combine elasticity from rubber with processability from thermoplastics. They are used for all sorts of applications granting a very clear appearance when demanded or neat and opaque look. Resiprene materials are molding, coloring and recycling friendly; meanwhile being offered in a broad Shore-A hardness range.



Solutions for everyday products

Resirene offers the following family of polystyrene resins:

- Crystal Polystyrene
- Impact Polystyrene
- Flame Retardant-High Impact Polystyrene
- Color Concentrates

They are all used in endless applications and in very different markets. Their use make everyday life simpler, practical and reliable.



Solutions for environmental care

Hybrid resins that combine traditional plastics with bio-based sources such as starch, granting competitive performance with petroleum-based plastics. biorene® resins can be used in a wide variety of applications meanwhile taking care of the environment.



Solutions for innovative applications

Polyamide-6 and polypropylene based compounds with either fiberglass or mineral fillers. Polycarbonate or Styrenic-based alloys, to name a few. Also this family includes a range of Compatibilizers, Coupling Agents and Chain Extenders that allow very different materials to blend together and obtain new materials or recover regrind and recycled plastics.





FOOD SERVICE

Single-use plates, cups, cutlery and foam trays.

PACKAGING

For electronics and jewelry.

ELECTRICAL & ELECTRONICS

Refrigerator parts, smoke detectors, power outlets and switches.

CONSUMER / INSTITUTIONAL

Writing instruments, stationary sets, disposable razors, garment hangers.

BUILDING & CONSTRUCTION

Shower panels, light diffusers and insulation foam.

ADVERTISING

Flat extruded sheet, confectionary and jewelry point of purchase displays.

LEISURE & ENTERTAINMENT

Promotional toys, board games, holiday decorations.

Markets and applications



Chemical division

Chemical solutions for industrial applications

Each one of these products serve the needs of different market segments through their countless applications.

1

ACETONE

Paints, adhesives, medicines, catalysts

5

PHENOL

Phenolic resins and synthetic fibers

2

STYRENE MONOMER

Styrene-based resins, polyester type resins, sealants and thinner

6

FORMOL 37/7, 44, 46 and 50

The manufacturing of melamine resins, conservative in hygiene products and clinical samples

3

METHYL-METHACRYLATE MONOMER

Acrylic-based resins and sheets

7

CYCLOHEXANE

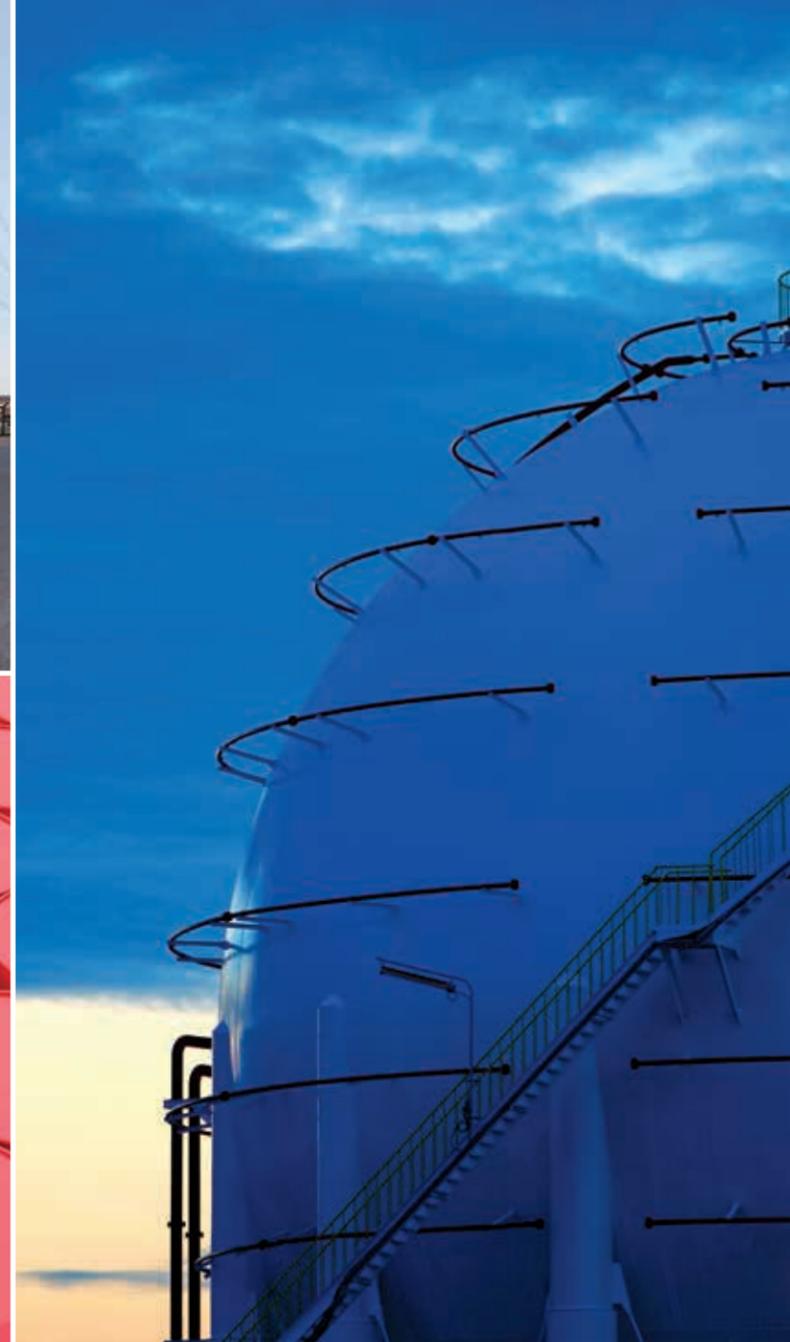
Lacquers, resins and varnishes, nylon production and oil extraction

4

ACRYLONITRILE MONOMER

Textile fibers, ABS, SAN and nitrile rubbers

We have storage tanks at strategic points of the country, enabling us to supply enough of our products all over the Mexican, Central and South American markets.



Services and solutions

...Tailored to fit customer needs



We have set a strong presence in international markets by showing our commitment through great customer service. The name Resirene is also seen as a solid and world class brand and it will continue to stand out by the developing of meaningful relationships.

Our most notable strengths are flexibility in our daily operations and the responsiveness we offer to customers in Mexico, North America, Central and South America, as well as in Europe.

To ensure this, we have developed a logistics network and distribution centers at strategic points, based on consumption patterns for each region we currently serve. We count on highly trained staff capable of meeting market demands, whether of logistics, commercial or technical nature.



Awards and recognition

Our commitment to quality, technological innovation and respect for the environment has earned us a strong reputation.

- **Clean Industry** Accreditation
- **ISO 9001** Certification
- **National Quality** Award
- **National Technology** Award
- **Socially Responsible Company-ESR**
- **C-TPAT**



A **kuo** company

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