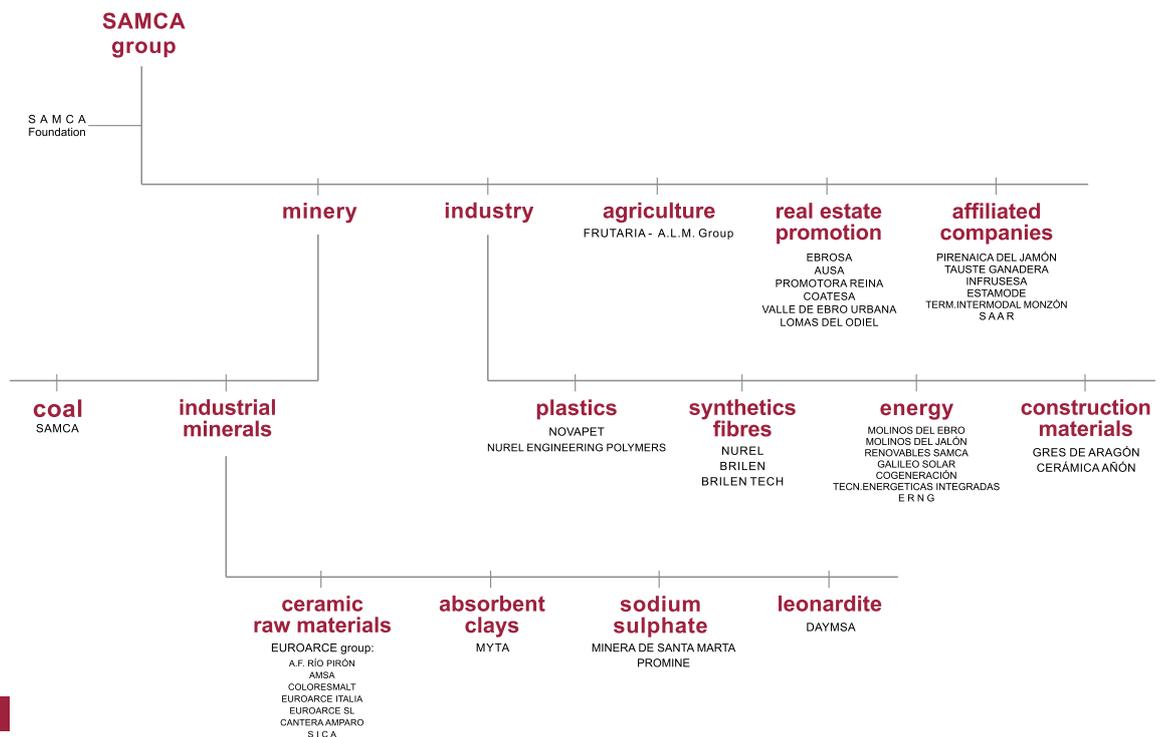


SAMCA



The **SAMCA** Group is a family company located in Aragon (Spain) whose activities are centered in the sectors of mining, agriculture, energy, plastics, synthetic fibres and real estate promotion. Overall, it gives employment to approximately 3,500 people, with an annual turnover of nearly 850 million euros. It has installations distributed throughout Spain as well as other countries such as France and Italy.

SAMCA has a wide range of resources for research, development and innovation and ensures constant support for the same, which, along with the continuous reinvestment of the funds generated and priority on training and social policy makes it possible for it to be in the vanguard of the sectors in works in.





COAL MINING

The origin of the Group is in coal mining, which today continues to constitute an important area of activity. SAMCA has been extracting coal in Ariño (Teruel) since 1919, and currently has underground and open-pit mining operations in different deposits.



INDUSTRIAL MINERALS

The development of industrial minerals is an activity derived from the decline of metal mining in the 1980s. Since then, various initiatives have been carried out with great success with different minerals that have made it possible for the Group to have wide knowledge and technology in this sector.

MYTA (S.A.DE MINERIA Y TECNOLOGIA DE ARCILLAS) centers its activity on the operation and commercialization of absorbent clays, basically sepiolite, atapulgite and bentonite. Its production is directed to mass markets (absorbent cat litter) and to industrial markets (animal food, industrial absorbents, phytosanitary products, ceramic, etc). 70% of sales are made outside national borders, in countries of the European Union.



MINERA DE SANTA MARTA, S.A (MSM) is one of the main producers of sodium sulphate worldwide, with an annual production of 625,000 tons. The sodium sulphate anhydrous is obtained from glauberite and tenardite in two operations in Spain, Belorado (Burgos) and Villarrubia de Santiago (Toledo). The anhydrous sodium sulphate is used mainly in industries producing powdered detergent, glass manufacturers, paper industries, textile dyes, animal food and the chemical industry in general. MSM exports approximately 80 % of its production to European markets, North Africa, the Mideast, South America and Asia with the most complete range of products worldwide.



EUROARCE encompasses a series of companies that make up the ceramic raw materials division of SAMCA. The project began with the installation of a plant for homogenization and purification of "ball clay" type clays extracted in the mines of Ariño (Teruel). Subsequently, new companies have joined the group, supplementing the offer of Euroarce in this sector, and positioning it as one of the main raw materials groups in Europe.

EUROARCE groups together the companies ARAGON MINERO S.A, with clay and sand operations in Ariño (Teruel) and in Basconillos del Tozo (Burgos); ARCILLAS Y FELDESPATOS DE RIO PIRON, with Feldspar and silica sand operations in Navas de Oro (Segovia) and clay, sand and kaolin operations in Tamame de Sayago (Zamora); MIDUESA which exploits a deposit of pegmatite with high lithium content; CANTERA AMPARO which mines a deposit of high-quality clays and silica sand in the province of Segovia, and SICA, which has kaolin and sand operations in the province of Cuenca.

Beyond the supply of quality raw materials to the ceramic industry, the differential aspect of EUROARCE lies with its factories producing ceramic pastes: In the 1990s the Onda (Castellón) factory was installed, specializing in atomized pastes for pavement, coating and porcelain stoneware, and the factory in Civita Castellana (Viterbo, Italy), devoted mainly to the production of casting pastes for sanitary ceramics.

Lastly, EUROARCE complements its catalogue of products with a wide range of frits, enamels, colours, slips and serigraphy produced by the company **COLORESMALT** in Alcora (Castellón).



DAYMSA (DESARROLLO AGRICOLA Y MINERO, S.A.) operates in Teruel the largest known deposit in Europe of leonardite, a material with high content in humic substances whose use as organic fertilizer makes possible the revitalization of agricultural soil and greater productivity of crops. Based on this mineral, DAYMSA manufactures and commercializes a complete range of fertilizer products and correctors for agriculture. It is commercial affiliates in several South American countries.

GRES DE ARAGÓN and **CERÁMICA AÑÓN S.L.** produce pavements, and special pieces of ceramic stoneware ("klinker") of high technical performance and special facing bricks of the highest quality at modern factories in Alcañiz and Alcorisa in Teruel and Tudela in Navarre.





ENERGY

The SAMCA Group, in its commitment to respect for the environment, has been developing a line of projects oriented to both the improvement of the energy efficiency of its productive installations and the utilization of renewable energies. Overall, these projects are oriented to decreasing the energy dependence of our country and to reducing significantly the emission of greenhouse gases.

The main improvements in energy efficiency of the productive installations have been obtained through the development of 9 cogeneration plants, with a total installed power of 110 MWe. These plants satisfy the energy demands of the mining and industrial installations with the integrated production of electricity and useful heat, using the practically the entire range of technologies available, such as gas turbines, steam turbines and internal combustion engines.

With regard to the utilization of renewable energies, in 1995, SAMCA created the company MOLINOS DEL EBRO with the purpose of utilizing a resource that is as distinctive of Aragon as is wind. Currently, jointly with its affiliate MOLINOS DEL JALON, it operates 7 wind farms in this Autonomous Community with a total installed power of 250 MWe.

The SAMCA Group is also developing activities oriented to the utilization of other renewable sources of energy, such as solar energy, through technologies of thermoelectric conversion. Currently, through its affiliate RENOVABLES SAMCA it operates the Thermoelectric Solar Plants "La Florida" and "La Dehesa", located in the Autonomous Community of Extremadura, with a total installed power of 100 MWe.

Lastly, and also of importance, the SAMCA Group is currently developing various projects of energy recovery and of geothermics of high enthalpy.

PLASTICS

The SAMCA Group enters the plastic industry with the acquisition of **BRILÉN**, S.A., the first producer in history in Spain of Polyethylene Terephthalate (PET) for the manufacture of packages and bottles, and its affiliate company injector of preforms with this material. These bases are currently grouped and reorganized under a single company named **NOVAPET**, leading a process of growth and industrial and technological transformation in the sector that has led the group to become one of the main producers of this plastic material in Europe. Today, NOVAPET is present in the markets of almost 30 countries on three continents and is a world leader in the technical applications of PET in the packaging market. Nowadays, the offer of NOVAPET comprises products that are clearly innovative and services interconnected at any point in the chain of production of the package, from the formulation of specific resins to the design, the pilot scale production or the functional analysis of the projected bottles. As a true driving force of said action, the PET Packaging Technical Centre is a privileged channel of dialogue with research and with a market that is growing larger and more complex.

Another plastic that SAMCA is decidedly committed to is Polyamide 6. Bringing together the long experience in polymerization accumulated by NUREL over more than 35 years and the innovative and technological potential of the Group, the division **NUREL ENGINEERING POLYMERS** was established. With production capacity of 25,000 tons annually of different Plastic Polyamide Polymers and sales in more than 25 countries, its activity ranges from the manufacture of polymer for different applications such as compounding, film packaging or BCF, to the state-of-the-art engineering plastics. This activity is also in a process of renewed strength and generation of added value, with its own pilot installations that simulate the complete process, from the concept itself of the chemistry of the polymer and its specific formulation to the final product injected or extruded in collaboration with our customers.



SYNTHETIC FIBERS

With the purpose of adapting to the new market needs and of promoting a growing sector as is the sector of technical industrial fabrics, and utilizing more than 25 years' experience in spinning of textile polyester, SAMCA Group invested heavily in the installation at Barbastro (Huesca) of a modern plant for production of high tenacity continuous polyester thread in the year 2000. The initial annual capacity of 4,500 tons has been increased to 10,000 tons in 2011. Currently, it supplies this product to the European market in all its finished versions: parallel, twisted, crimped and textured. With the recent creation of the Technical Support Centre, formed by a multidisciplinary team of process technicians, experts in raw materials and market research personnel, a commitment has been made to increasingly greater personalization of products oriented to the particular needs of the end use, offering support for the development of joint projects with the customers.

The NUREL Company, create in 1966 and acquired by the Group in 1999, completes the offer of textile fibres with the production of Polyamide 6 and Polyamide 6.6 thread at its polymerization and spinning plants located in Zaragoza. NUREL commercializes 7,500 tons annually of polyamide thread and is consolidated in Europe as one of the leaders in the sector in quality, service and technological innovation. This position of leadership in the market has been consolidated due to an ambitious investment plan executed by the Group, both in Spinning in Weaving, with two new Spinning plants placed in operation in 2002 and 2010, and the installation of the largest stretching-weaving plant in Europe.

AGRICULTURE

The diverse agricultural companies pertaining to the SAMCA group, commercially integrated under the name of FRUTARIA, carry out their production on lands located in Aragon, Catalonia, Andalusia, Extremadura and Navarre. Different varieties are cultivated and commercialized, mostly fruit, such as fresh fruit, citric, subtropical fruit, dried fruits and nuts, etc., constantly researching new varieties and their possibilities of adaptation. Another important crop is olives, oriented to oil production.

The agricultural division of the SAMCA group is positioned as the leading Spanish producer of fruit, with a volume of nearly 100 million kg per year, of which more than 50% is destined for export.

REAL ESTATE PROMOTION

SAMCA has been present in the real estate sector for more than forty years through companies of recognized prestige such as EBROSA, AUSA, REINA, LOMAS DEL ODIEL or VALLE DEL EBRO URBANA, which mainly promote the construction of high-quality residential housing in Zaragoza, Madrid, Barcelona, Seville, Huelva and Palma de Mallorca.

Also particularly noteworthy is the project, considered to be of tourism excellence, that the COATESA Company plans to carry out in the province of Malaga.

ASSOCIATED BUSINESS

SAMCA participates with other companies in sectors as different as the Food sector (PIRENAICA DEL JAMÓN –meat–, TAUSTE GANADERA –dairy–, INFRUSESA –fruit puree–, SAAR –frozen food–), Logistic platforms (TERMINAL INTERMODAL MONZON), or metal stamping (ESTAMODE-ESTAMPACIONES MODERNAS). In most of these cases its aim is the promotion of the activity in the Community of Aragon.



RESEARCH AND DEVELOPMENT

From its beginning, the SAMCA Group has worked with the conviction that innovation is an essential capital for the future; thus, the resources devoted to Research, Development and Innovation are seen as elements of progress, added value and sources of competitive advantage. The R&D Department of the group coordinates the different research groups of all the business areas and promotes both the improvement of processes and the development of new products and technologies or the implementation of new businesses, with a clear orientation to the market and in a permanent contact.

The group collaborates with numerous Spanish and foreign Universities and Technological Institutes. The most recent agreement was signed in June 2011 together with the University of Zaragoza and the Institute of Nanoscience of Aragon for the creation and financing of the **SAMCA University Department of Nanotechnology**, with the aim of generating advanced research in this field and its application in industry, as well as of training new specialized professionals.

SAMCA FOUNDATION

The SAMCA FOUNDATION is responsible for channelling benefaction and cultural aids, fundamentally in the regions where the Group carries out its industrial activity, always with the aim of fostering an human and social development that is fully compatible with the industrial vocation and growth already mentioned.



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