CINKARNA

COMPANY INTRODUCTION

150 YEARS
1873 · 2023

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Mission

Through professional and socially responsible application of chemical processes, we produce a wide range of products that are essential to our daily lives. We provide work and personal growth for our employees and expected returns for our shareholders.

Vision

The company aims for growth and efficiency gains in existing and new technologically demanding, high value-added products. We will achieve our objectives while respecting the principles of sustainable development and the circular economy.

Values

Partnership and trust
Honesty and respect
Creativity and developmental orientation
Commitment to sustainable development and the circular economy
Affiliation and cooperation to achieve common goals

About us

Cinkarna is a modern Slovenian chemical company operating according to the best available techniques. The main focus of activity is on the production and marketing of titanium dioxide pigment, complemented by a wide range of other products. We take our name from the zinc ore smelting plant established in 1873.

At Cinkarna, we are meeting the challenges of modern times, such as comprehensive pollution control and prevention, the increasing need for energy and new materials and solutions, rational use of energy and the transition to renewable energy sources. We are upgrading our mature production with improvements in our own laboratories and collaborating with renowned Slovenian scientific research institutions.

The key to Cinkarna's success are our employees, who with their knowledge and experience and market-oriented vision tackle all periods of the company's development and operation. Our commitment and innovation ensure that the company successfully continues its business journey in the 21st century. Every one of our approximately 800 employees contributes to our success. We generate annual sales of around €200 million.

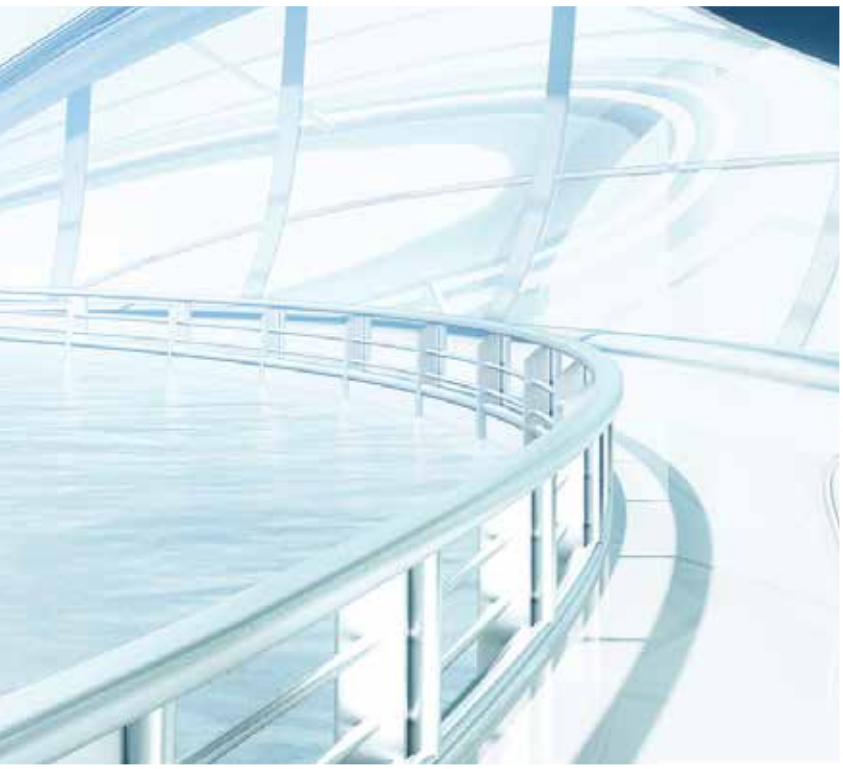
We comply with legal requirements and environmental permits. Environmental and other risks are managed through an established ISO 9001 quality system, ISO 14001 environmental management system, ISO 45001 occupational health and safety system and, at the Mozirje site, EMAS registration.

Where are we headed?

Cinkarna is pursuing a growth strategy that, in the long term, allows it to establish a secure market position and to grow, develop and engage its employees, in line with the best available techniques and the principle of sustainable development.

We want to consolidate and build on our international status as a trusted, dedicated and reliable manufacturer of our existing product range. We are thinking about the future and, as a chemical company, we have chosen the challenge of the 21st century to develop titanium dioxide in speciality forms, which we are developing into higher value-added end products.

With future generations in mind, we strive for innovative and sustainable solutions. We follow the principles of sustainable development, which we see as a commitment and fundamental responsibility towards society and the environment, while pursuing diligent corporate responsibility and strengthening economic performance.



What do we do?

Cinkarna is a chemical company with a diversified production and sales programme. We adapt and expand our product range with an eye on the customer and the environment.

Cinkarna provides customers with high-quality products used in consumer household and other appliances, artwork, printing, modern electronics, construction, the chemical industry, and they are also indispensable in food processing.

The production and marketing of titanium dioxide pigment is the main focus of the business, complemented by a wide range of other products: nano titanium dioxide, zinc products, masterbatches, powder varnishes, agricultural products and the manufacture of chemical processing equipment.

Sustainable development

We implement and develop sustainable solutions with future generations in mind. We recognise the importance and urgency of implementing the principles of sustainable development, which we see as a commitment and fundamental responsibility towards society and the environment, while pursuing diligent corporate responsibility and strengthening economic performance. Sustainable development strategy is embedded in our vision, mission and development plan.

We are constantly striving for improvement in all areas of our operations, looking for innovative solutions and incorporating them into our operating model in order to strike a balance between economic performance, energy efficiency, environmental protection and social responsibility.

Environmental responsibility

We continuously invest to modernise our technological processes in line with the best available techniques, thus reducing our environmental impact to the absolute minimum. In the operation and planning of our production activities, we are focused on finding environmentally friendly solutions and the beneficial use of by-products, reducing water and energy consumption, minimising emissions/CO2, developing a process to recycle as much water as possible, introducing renewable energy sources into our processes, as well as solutions to increase energy efficiency.

We work to reduce waste and recycle, recover and reuse as much as possible, following the circular economy principle. We want to make the most of the potential of secondary raw materials and by-products. When developing innovative new processes, products or services, we integrate processes that help to save resources, manage waste efficiently and create new business opportunities.



Social responsibility

Responsibility towards society and our employees is our commitment and we see it as a key partnership in achieving our shared sustainability goals. We adhere to high standards of social ethics and build a transparent culture of communication that is the basis for successful integration and engagement with society. By understanding interdependence and interconnectedness, we put the creation of a balance between the economy, the company's business performance and society at the forefront.

We are committed to ensuring healthy and safe working conditions for our employees and to providing continuous training to develop our own potential. We actively and constructively engage with the local community and schools, invest in the development and education of young people, and promote a healthy relationship between individuals, institutions and the environment. We encourage and support sports, cultural, humanitarian, environmental and educational activities.

Quality

We effectively monitor and control production processes, inputs, semi-finished and finished products.

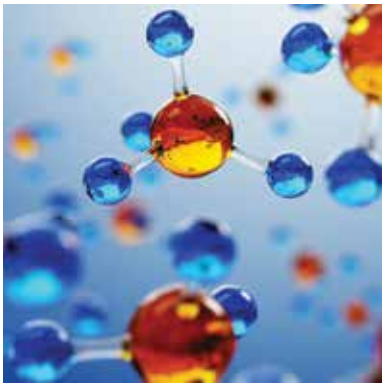
Laboratory measurements are carried out according to internationally recognised procedures (standards) and in-house methods developed in the laboratory, using classical wet chemistry procedures and modern instrumental methods. New technologies and new products require keeping abreast of new developments in the field of measurement in chemistry and, as a consequence, continuous training of employees, which results in the achievement of high competence in metrology.

Since 2004, we have been accredited in the field of testing according to ISO/IEC 17025 (Accreditation Document LP-050). We have the following certificates: ISO 9001, ISO 14001, ISO 45001 and, at the Mozirje site, the EMAS system.

Research and development

Research and development activities are key to achieving our strategic objectives, maintaining our position and reputation in global markets, and finding new business opportunities. Through the development of new products and solutions, we follow the demands and expectations of our customers.

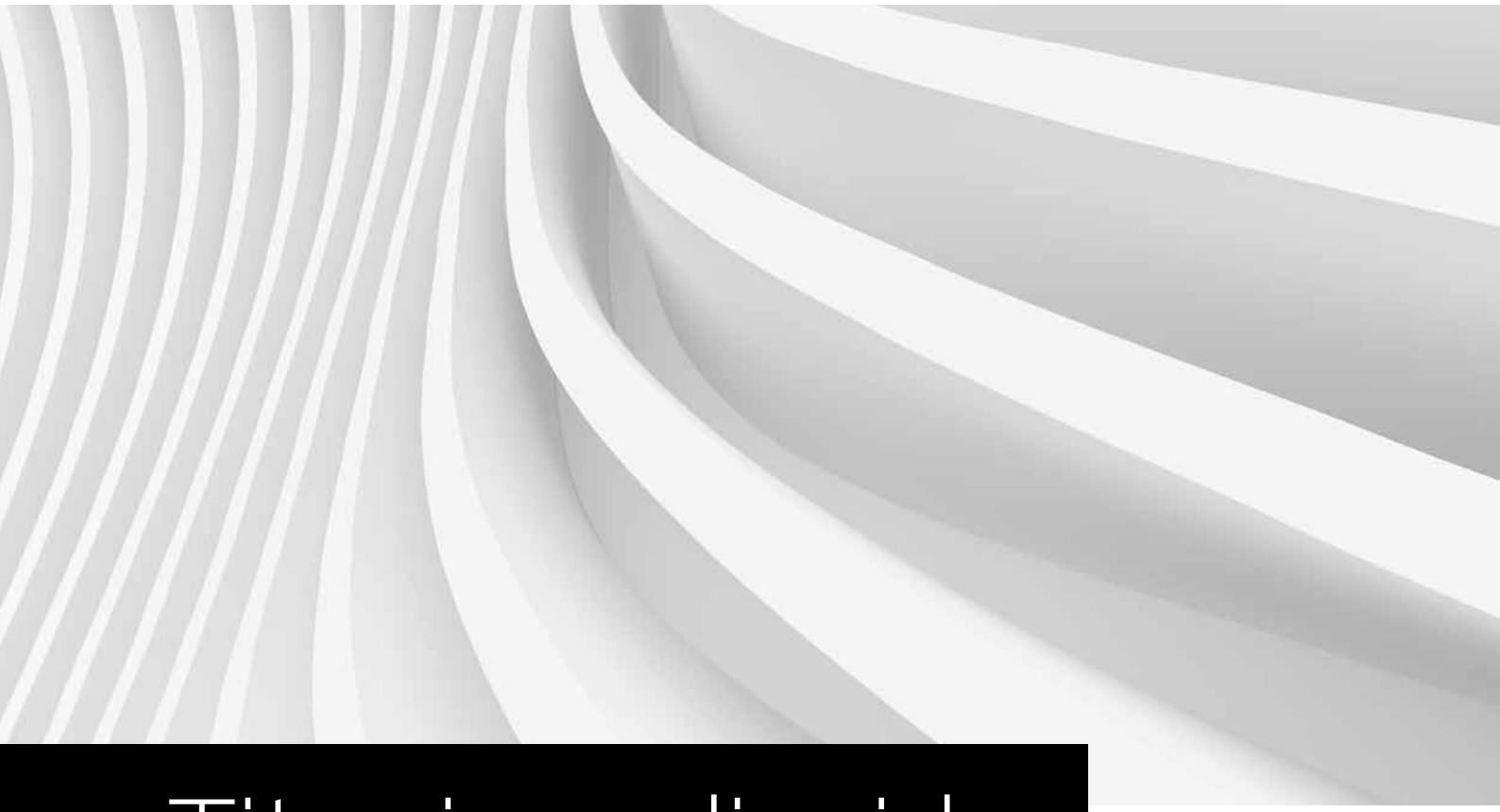




The research and development activities focus on the development of new products and their applications, on the optimisation of technologies and the introduction of new technological solutions, and, together with the operational development teams, on the improvement of existing technologies and products on a programme-by-programme basis.

In our research work, we collaborate with many renowned research institutes and universities, giving us access to cutting-edge knowledge and state-of-the-art research equipment. We are also involved in some domestic and European research projects and in Slovenian strategic research and innovation partnerships.

We pay particular attention to the system for encouraging and rewarding innovation and useful suggestions from our employees, which we are continuously improving.



Titanium dioxide

Cinkarna produces the white pigment without which one cannot imagine our modern way of life.

TiO_2

This unique white pigment, for which no substitute can be foreseen, is found in all areas of our lives thanks to its ability to protect materials from light and weather, its exceptional lightening power and its opaque properties. The most important applications are paints and varnishes of all kinds, plastics, paper, rubber, ceramics, welding electrodes, food packaging, pharmaceuticals, toothpastes, etc.

Since 1973, Cinkarna has been producing TiO_2 pigment using the sulphate process. The process has been completely renewed with our own know-how and development work and is further improved every year.

NANO titanium dioxide

Nano or ultrafine titanium dioxide is known for its diverse applications, which stem from its small particle size of < 100 nm. The particle size makes it transparent and as such enables completely new performance characteristics.

Different **dimension** of perfection

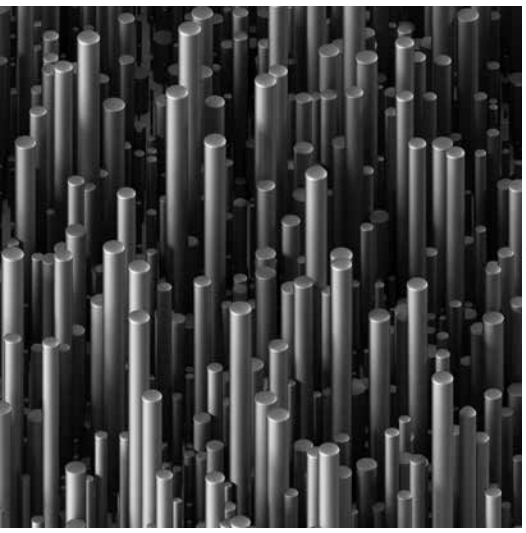
The best known and most common use of nano titanium dioxide is in photocatalytic applications, such as self-cleaning effect, degradation of harmful NOx, SOx, VOC and other organic impurities, water and air purification, antiviral and antibacterial action, neutralisation of odours, prevention of algae and mould formation, etc.

Due to its excellent UV-absorbing properties, nano titanium dioxide is also used as protection against the sun's harmful UV rays; in various coatings (e.g. wood glazes).

The range of applications for nano titanium dioxide is very broad and continues to grow every year.

Zinc processing

Zinc is an indispensable part of our lives and work, so it is no coincidence that it was the origin of Cinkarna. This century-old tradition continues today with the production of zinc alloys, wire and anodes.



Zn

Excellent corrosion protection properties on steel elements and structures are achieved when they are zinc-protected using a zinc wire metallization process or the galvanisation procedure with zinc anodes.

In the furniture industry, fittings made from Zamak zinc alloy using a die-casting process are a must. It is produced by Cinkarna in different variants depending on the aluminium, copper and magnesium content in the zinc.

Care for healthy growth of **plants**

Agrichemical products

Chemical plant protection is only a complement to all other preventive and cultural measures in agriculture, respecting the principles of good agricultural practice.

At Cinkarna, we follow market trends and requirements in the production of copper products. We have developed and improved the Cuprablau Z fungicide. In the development process, we evaluated the usefulness of the products in terms of high efficacy, low toxicity to the environment, low phytotoxicity to plants, and low copper residues in crops. The wide range of applications in fruit-growing, viticulture and horticulture testifies to the successful control of bacterial and fungal diseases in both integrated and organic production.

This is complemented by a range of natural, high-quality substrates from the Humovit brand. The substrates are suitable for sowing and replanting, as well as for further plant cultivation.

Our agrochemical products address food and environmental problems in an increasingly complex ecological environment.

Masterbatches

Masterbatch is a colour concentrate or additive concentrate designed to colour thermoplastics and improve their properties.

Indispensable in **plastic** materials

These are concentrated mixtures of pigments and additives which are combined by a heat process with a suitable polymer carrier to form a liquid mass which is pelletized into granules after cooling. Organic and inorganic pigments containing no heavy metals are used for colouring, making Cinkarna's masterbatches an environmentally friendly product.

CC MASTER is the commercial name for a group of masterbatches produced by Cinkarna Celje. We produce two groups of masterbatches: white masterbatches, where we use our own special type of titanium dioxide, and coloured masterbatches in a wide range of shades with different proportions of pigments and additives.

PE, PP, PS are the most commonly used carrier materials, but other materials such as EVA, SAN, ABS, etc. are also increasingly being used.

Environmentally-friendly and high-quality **protection**

Powder coatings

Gorenje Retro Collection

Thirty years ago, as an upgrade to conventional coatings, we started producing powder varnishes under the commercial name Ekolak. In addition to a number of ecological advantages over conventional coatings (they are solvent-free), powder varnishes also show economic advantages, as yields can be up to 98%.

We produce Ekolak with different properties, both in terms of the type of binder (Ekolak PE/P - polyesters for outdoor exposed objects, Ekolak E/P - hybrids for indoor use, and for more demanding applications SX - high temperature paints) and appearance (different degrees of matt, different surface appearance, different shades, metallic appearance, etc.).

Chemical processing equipment

Systems for aggressive media

We offer suitable solutions for the protection of support systems for anyone who has problems with corrosive substances in the process industry. We work with fluorinated materials, natural and synthetic rubber elastomers.

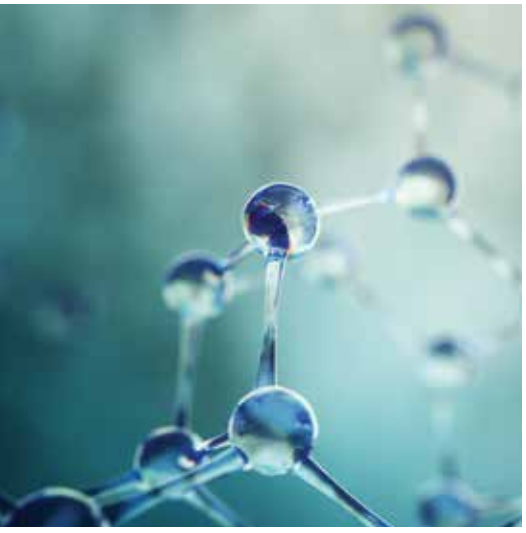
We also provide protection and maintenance services on installations. Our major products are aggressive media flow systems with all components such as ball and butterfly valves, various connectors and piping, and various custom-built components. These products comply with ATEX and PED directives. We also offer on-site installation for all our products. We are also manufacturers of semi-finished and custom-made products made from PTFE materials.

Multifunctional solution for the **chemical industry**

Sulphuric acid

Sulphuric acid is one of the chemical industry's most important and versatile products. Most of the acid produced is used in the production of TiO_2.

Excess quantities are placed on the market. Consumers of sulphuric acid include other chemical and pharmaceutical industries.



Company headquarters

Cinkarna, Metallurgical and
Chemical Industry Celje, INC.
(Cinkarna Celje, INC.)
Kidričeva 26
3001 Celje
Slovenia
info@cinkarna.si

Dislocated business unit

Kemija Mozirje
Ljubija 11
3330 Mozirje
Slovenia
kemija.mozirje@cinkarna.si

www.cinkarna.si

2022
Platinum Creditworthiness

CINKARNA Celje, d. d.

Company ID.: 5042801
Bisnode d.o.o. / 7. 8. 2022

ISO 9001 Q-1418
ISO 14001 E-223
ISO 45001 H-041

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Reg. št.: SI-00003

PE Kemija Mozirje - lokacija Mozirje

GREENLIGHT

RESPONSIBLE CARE
ODGOVORNO RAVNANJE

excellence

Celje, december 2022

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