



CAURUM
Recover . Refine . Transform

Company Profile





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Valuing The Future



CAURUM
Recover . Refine . Transform

CAURUM S.r.l.

Search in extraordinary

Caurum is the combination of two Latin words, Caurus and Aurum. Caurus, the mistral, the most important Mediterranean wind, which symbolizes the breath of the intuitive thinking and Aurum which means gold, the precious and noblest metal.

The successful story of Caurum, an international chemical company founded in Arezzo in 2021, **specialized in recovery, refining and in the transformation of precious metals**, has been born from the unique and brave vision of **Mr. Giovanni Battista Castigli**.

The marriage between the skills of the wind, such as the creative power and the speed of execution, with Mr. Castigli passion and genius loci of working the precious metal, known by the Etruscans as a sparkling dawn, have been forged an original manufacturing system with an exclusive know-how.



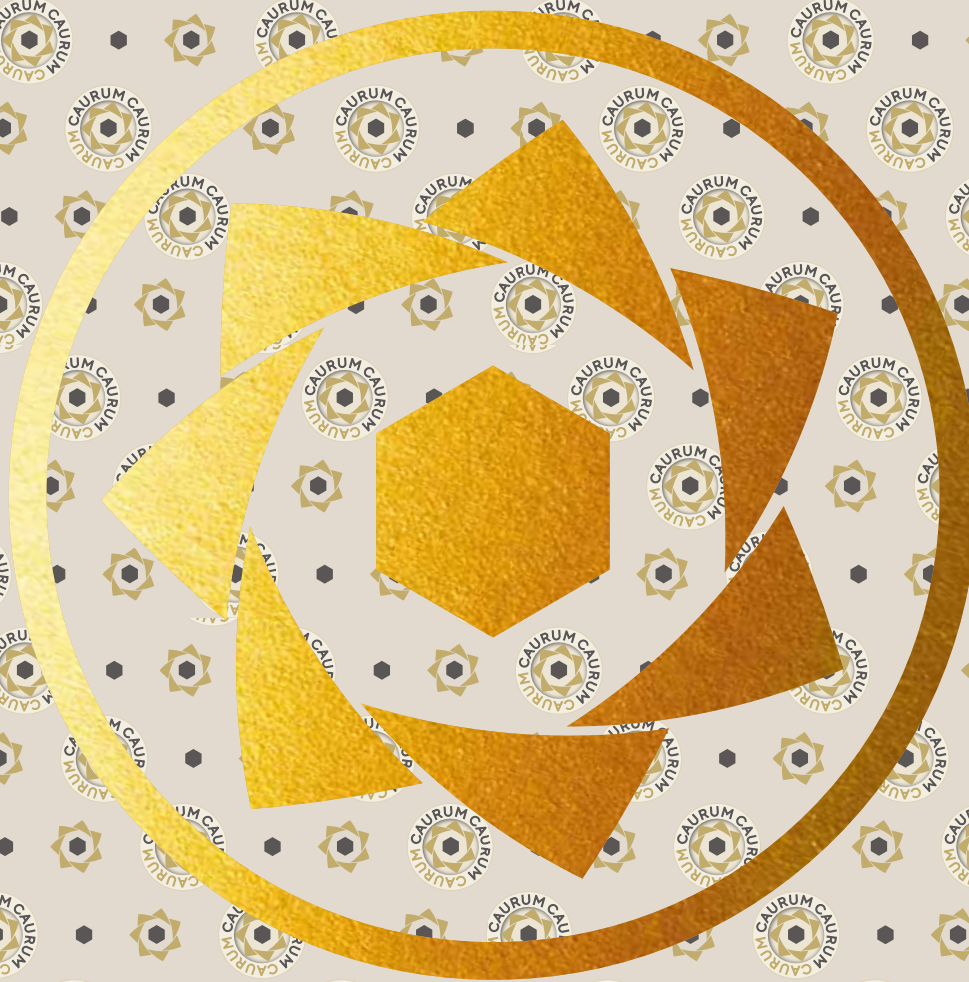
Registered Office and Business Unit

An innovative, serious and tested methodology with 37 years of verified expertise, steeped in technical correspondences, unprecedented and constantly evolving processes.

Father and son lead and project the company towards the future, full of challenge in the name of the Italian excellence and cutting-edge technology.







LOGO

Its logo is a circle with a seven-pointed star, 7 is considered as the science symbol and 7 are the wonderful precious metals we recover.

The Star embed a luminous hexagon inside, symbol of the conjunction between sky and earth and the material transformation.

5 BUSINESS UNITS

The company, born in 2021,
currently includes 5 Business Units:

CAURUM
Registered Office
and Business Unit
Arezzo
Loc. San Zeno
Strada A, 36

CAURUM
Headquarters
Arezzo
Loc. San Zeno
Strada A, 46

CAURUM
Business Unit
Arezzo
Loc. San Zeno
Strada B, 4

CAURUM
Business Unit
Work in progress
Arezzo
Loc. San Zeno
Strada A, 48

CAURUM
Business Unit
Work in progress
Arezzo
Loc. San Zeno
69/B

CAURUM
new - spin...





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FILOSOPHY

The integrity of the product, the competence, the transparency, the high-quality, the social responsibility and the trust of our customers, are the paramount and shared values which represent the core of our vision.

Caurum was born from creativity, passion, excellence and exclusive know-how to be a leading international company in the chemical sector.

Caurum is specialized in refining, transformation, production and conversion of precious metals, and gives them added value through their trading.

The company deals with the effective recovery of Gold, Silver, Platinum, Palladium, Rhodium, Ruthenium, Iridium, making the waste a renewable and inexhaustible source through eco-innovative models, in the perspective of an incessant research, development and commitment to the environmental sustainability.

Caurum, driven by a deep desire for innovation and experimentation, in

2021 built its identity, expanding its production processes and investing in new cutting-edge systems, redesigning and rethinking the core business of the company with a focus on the future generation.





RESPONSIBLE
JEWELLERY
COUNCIL

CERTIFIED MEMBER

0000 6037



CHAIN
OF
CUSTODY

CERTIFIED NUMBER

C0000 6038



Dasa-Rägister
UNI EN ISO 9001:2015
IQ-0421-06



Dasa-Rägister
UNI EN ISO 14001:2015
IE-0623-03



Dasa-Rägister
UNI ISO 45001:2018
IS-0623-04

QUALITY

Quality is our milestone

CAURUM, in the context of a sustainable holistic approach and the promotion of the circular economy, has distinguished itself by conquering two important milestones certifications: **Responsible Jewellery - RJC** and **Chain of Custody (CoC)**.

As a certified member, CAURUM has been recognized for its commitment to responsible activity and a sustainable business path, providing the **guarantee of the integrity of its products and materials**.

All the precious metals that go through the company comply with RJC and Chain of Custody (CoC) certifications, and are 100% recycled.

These certificates offer customers and suppliers the guarantee of a safe supply chain, from origin to final treatment, respecting human rights, protecting the environment and fulfilling all correct management practices.

CAURUM has implemented a quality, en-

vironmental and safety management system compliant with **ISO 9001**, **ISO 14001** and **ISO 45001** standards, respecting the environment and workplace safety.

In 2021, the company has implemented and adopted an organizational model which frames the quality, environment and safety certifications ex Legislative Decree no. 231/2001.

The **231 Model** as a whole, together with the environment, quality and safety and RJC certifications, represents a tool of protection towards customers, suppliers, workers and administrators and it testifies the commitment of CAURUM to ensure the compliance with all the mandatory and voluntary obligations undertaken by the company general management, such as Risk Assessment and Code of Ethics.

The certification process was successfully concluded in May 2023.

Furthermore in May 2024 CAURUM has obtained **ESG rating by Cerved**.



Trading

LIVE GOLD PRICE

GOLD USD/OZ

GOLD EUR/OZ

GOLD GBP/OZ

GOLD USD/1G

GOLD USD/10G

GOLD USD/100G

GOLD USD/1KG

THE METAL BANK IS
IN THE CENTRE OF ALL
THE ACTIVITIES THAT
CAURUM PLAYS

The strong investments in information technology and the training of human resources enable to offer high-quality and innovative services.

In fact Caurum studies and elaborates the trends of the main precious metals and strategic metals markets.

79 Au

47 Ag

78 Pt

46 Pd

45 Rh

44 Ru

77 Ir



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Sampling process

The batches which to be treated, according to their composition and physical state of the material (metallic, mixed solid or liquid) are intended for the competence for the homogenization phase.

The aim of this important first stage is to obtain a sample representative of the whole initial lot.

The customer will be able to follow all the steps until the achievement of the sample, in addition all quantities are marked with an identification bar code. The purpose of this is to ensure that they are fully traceable.

Specific processing steps:

METAL MATERIALS

All types of scrap metal (goldsmith, industrialist, etc.), before it can be sampled, are homogenized by fusion.

The rod (ingot) obtained, is made of an uniform alloy that guarantees the representative sample of the material for the analysis of precious contents.

MIXED SOLID MATERIALS

The homogenization of the mixed solid materials occurs through the incineration of about 700°C.

The subsequent operations grinding and mixing will bring the achievement of a representative sample.

LIQUID MATERIALS

Liquids containing precious metals which are homogenized by mechanical stirring or through the insufflation of compressed air.

A small proportion of solution is taken and sent to the laboratory to establish the content of the precious metals.

1

ACCEPTANCE AND STORAGE MATERIALS FROM RECOVERY

Waste sorting
to the relevant departments



2

BURNING GRINDING



3

FOUNDRY



4

METAL PRECIOUS REFINING

In the form of pure metal,
salts or pure solutions



⁷⁹ Au

⁴⁷ Ag

⁷⁸ Pt

⁴⁶ Pd

⁴⁵ Rh

⁴⁴ Ru

⁷⁷ Ir

Recover & Refine

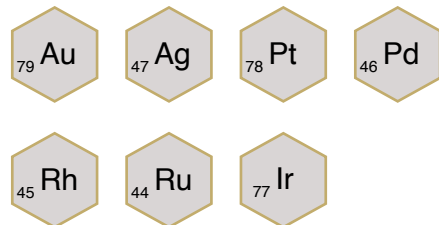
RECOVERY AND REFINING OF PRECIOUS METALS

A service of quality and speed, in compliance with environmental laws, using the most advanced and available technologies.

We process and refine metals from primary and secondary sources, as well as we create customized solutions based on the Customer needs.

Caurum srl offers the recovery and the disposal service of materials based on precious metals. Caurum can collect the materials with its own professional, qualified ADR and licensed personnel, in all the national territory.

THE METALS WE WORK



HOW WE WORK

.1

Material acceptance

Consulting
Documents Check
Visual Control
Radioactive Test
Weight Check

.2

Materials Homogeneiza- tion & Sample

.3

Laboratory Analysis

.4

Agreements and Terms

.5

Pure Metal Salts Solutions Monetization



RECOVERY SECTORS

JEWELLERY

- Precious metal alloys (bars, metal scraps);
- Production scraps (sprue, fillings, chips);
- Waste (muds, crucibles, slags, exhausted coals).

CATALYTIC

- Precious metals-based catalysts, both fresh and spent;
- Petrochemistry, pharmaceuticals, cosmetology and other processes of industrial synthesis included in the catalytic industry.

GALVANIC

- Exhausted baths;
- Galvanic muds;
- Wires and frames with precious deposits;
- Coals and exhausted resins.

AUTOMOTIVE

- Waste production;
- Products that have not passed quality control;
- Spent catalysts.

RAEE electric and electronic

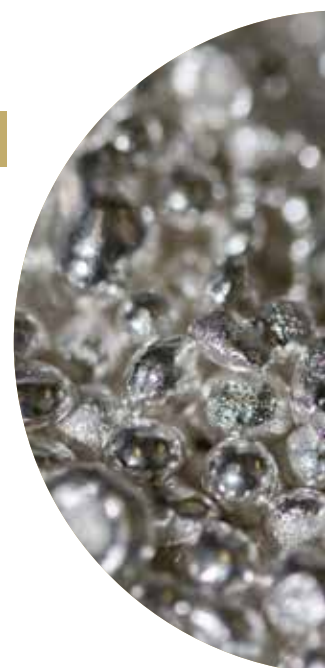
- Gold, Silver and Palladium used to make electronic circuits and hardware components.

DENTAL

- Noble dental alloys containing precious metals (Gold, Silver, Palladium and Platinum) directly from the manufacturing companies (from waste and alloys that have not passed the quality control) and from dental technicians or dentists.

DECORATIVE

- Papers, rags, pastes.



Transform

CAURUM PRODUCTS

Our Research and Development team works constantly to improve our processes and develop new technologies to guarantee the highest quality standards for our Customers and to ensure the highest level of expertise and experience.

Equipped with cutting-edge technologies, our laboratory guarantees the complete characterization of pure metals and provides a real support to our partners from the development phase to the analysis of the finished product.



PURE METAL

GOLD	in bars/sheets/grains/ingots
SILVER	in bars/grains/anodes
PLATINUM	in bars/sheets/sponge/powder
PALLADIUM	in bars/sheets/sponge/powder
RHODIUM	in sponge/powder
RUTHENIUM	in sponge/powder
IRIDIUM	in sponge/powder



CAu-580

Potassium Tetracyanoaurate (III)
Title: 58.00%
Salt
CAS: 14263-59-3

CAu-683

Potassium Dicyanoaurate (I)
Title: 68.30%
Salt
CAS: 13967-50-5

CAu-100TD

Sodium Gold (I) Sulfite
Title: 10.00%
Solution

CAu-Chloride Sol.

Tetrachloroauric Acid
Title: 25.00%
Solution

CAu-Auric Sol

Tetrachloroauric Acid
Title: 36.00%
Solution



CAG-635

Silver Nitrate
Title: 63.50%
Salt
CAS: 7761-88-8

CAG-931

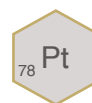
Silver Oxide
Title: 93.10%
Salt
CAS: 20667-12-3

CAG-540

Potassium dicyanoargentate
Title: 54.00%
Salt
CAS: 506-61-6

CAG-806

Silver Cyanide
Title: 80.60%
Salt
CAS: 506-64-9



CPT1-DD SO4

Platino (II) diamine dinitrite
Title: 2.50%
Solution

CPT2-DD NO3

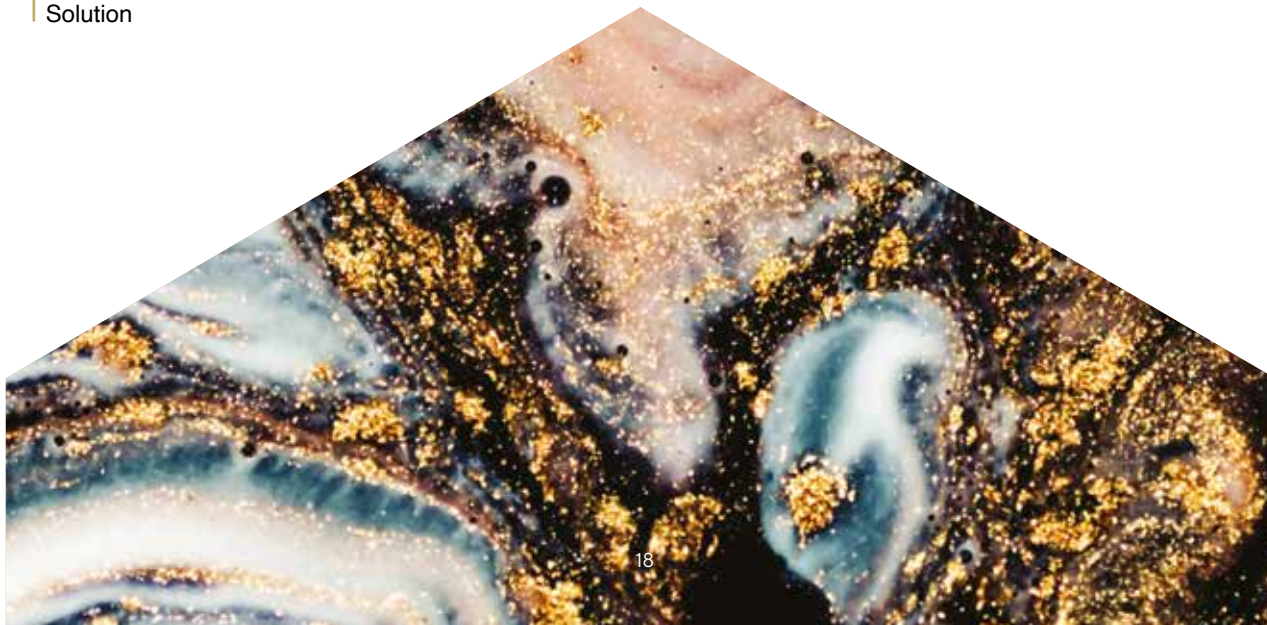
Platino (II) diamine dinitrite
Title: 20.00%
Solution

CPT4-ESACLO H

Hexachloroplatinic Acid (IV)
Title: >39.00%w/w
Salt
CAS: 26023-84-7

CPT7-ESACLO SOL.

Hexachloroplatinic Acid (IV)
Title: 20.00%
Solution





CPd4-DICLO

Palladium (II) Chloride
Title: 25,00%
Solution

CPd6-Nitrate

Palladium (II) Nitrate
Title: 10,00%
Solution

CPd4-DICLO60

Palladium (II) Chloride
Title: 6,00%
Solution

CPd6-Nitrate68

Palladium (II) Nitrate
Title: 6,80%
Solution

CPd1-TA SO4

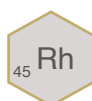
Palladium (II) tetramino sulfate
Title: > 37%w/w
Salt
CAS: 13601-06-4

CPd2-TETRA

Palladium (II) tetramino dichloride
Title: 10,00%
Solution

CPd3-DD

Palladio (II) diamine dinitrite
Title: 15,00%
Solution



CRh1-SO4

Rhodium (III) Sulphate
Title: 10,00%
Solution

CRh2-Snow R

Rhodium (III) Sulphate
Title: 5,00%
Solution

CRh3-Snow F

Rhodium (III) Sulphate
Title: 2,00%
Solution

CRh4-Snow

Rhodium (III) Sulphate
Title: 0,20%
Solution

CRh5-PENNA

Rhodium (III) Sulphate
Title: 2,00%
Solution

CRh6-PENNA Bianco

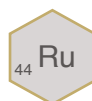
Rhodium (III) Sulphate
Title: 2,00%
Solution

CRh8-PO4

Rhodium (III) Phosphate
Title: 2,00%
Solution

CRh9-Chloride Hydrate

Rhodium (III) trichloride hydrate
Title: >38,00%
Salt
CAS: 20765-98-4



CRu1-TRICLO

Ruthenium (III) chloride
Title: >20,00%w/w
Solution

CRu2-Salt TRICLO

Ruthenium (III) chloride
Title: 40,00%
Salt
CAS: 10049-08-8

CRu3-WHITE

Sulfamate Ruthenium (IV)
Title: 5,00%
Solution

CRu6-NN

Ruthenium (III) Nitrosyl Nitrate
Title: 20,00%
Solution



CIr1-ESACLO

Hexachloroiridic (IV) Acid
Title: 22,00% w/w
Solution

**WE CUSTOMIZE
SALTS AND
SOLUTIONS
BASED ON THE
CUSTOMER'S
NEEDS**

SUSTAINABILITY

A responsible commitment

Caurum believes that sustainability has essential to maintain the balance between respect for the environment and the evolutionary progress of the company, through coherent and long-term strategy that turn the waste into raw material.

The company recognizes the cardinal value of environmental resources and it promotes the energy transition by using renewable energy sources.

Caurum has optimized the use of energy through the implementation of more and more efficient technologies, reducing consumption of water using rainwater, respecting compliance regulations through certifications dedicated.

Traceability, visibility of the supply chain and the due diligence process represent our codes of identity.

The circular economy targets are Caurum cornerstones and they permeate the whole value chain.

Regarding social sustainability, the company, invests in projects that enhance the promotion of culture, creativity and know-how as the real assets of human beings and to produce a great enrichment for the stakeholders and for the benefit of all local community.



ENERGY

2023 → 2024

-10.53%

Per Unit of Product

Rational use of Electrical Energy,
Diesel and natural gas
expressed in TOE

RECOVER

2023 → 2024

+30%

Per Unit of Product

Increased waste production
sent to recovery instead of
to disposal

GHG

2023 → 2024

-11.67%

For ground gas units

Reduction of Greenhouse Gases
expressed in kg of CO² eq

ECO FRIENDLY

2023 → 2024

+100%

Per Unit of Product

Investments in the
environment and in hours of
environmental training

H2O

2023 → 2024

-26.19%

Per Unit of Product

Reduction of water consumption
m³ of water taken

GREEN

2023 → 2024

+30%

Per Unit of Product

Surfaces covered by
photovoltaic systems



FINANCIAL DATA

2022

82,271_{mln}
Turnover

2,700_{mln}
Ebitda

8,100_{mln}
Equity

5,200_{mln}
FcFEquity

30%
Orders from abroad

70%
Orders from Italy

-14.78%
per unit of product
Rational use of Electrical Energy,
Diesel and natural gas
expressed in TOE

42
Human resources

2023

157,468_{mln}
Turnover

4,399_{mln}
Ebitda*

10,346_{mln}
Equity*

1,700_{mln}
FcFEquity*

37%
Orders from abroad

63%
Orders from Italy

50
Human resources



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