WE MAKE PRECIOUS METALS AVAILABLE AND USEFUL FOR PEOPLE
Global demand for precious metals

- **Au**
  - 50% jewelry industry
  - 29% investments
  - 21% other industries

- **Ag**
  - 59% technological sector
    - 20% jewelry industry
    - 15% investments
    - 6% silverware

- **Pt**
  - 42% car manufacturing
    - 28% jewelry industry
    - 9% chemical and petrochemical industry
    - 21% other industries, investments

- **Pd**
  - 78% car manufacturing
    - 9% electrotechnical industry
    - 13% other industries
100% of Krastsvetmet shares belong to the Krasnoyarsk Region, a constituent entity of the Russian Federation.

Krastsvetmet is the leader in the production of precious metals and precious metal products.

Krastsvetmet produces 8 precious metals on an industrial scale, processes mined and recycled materials:

\[ \text{Au} \quad \text{Ag} \quad \text{Pt} \quad \text{Pd} \quad \text{Ru} \quad \text{Rh} \quad \text{Ir} \quad \text{Os} \]
Partners of the company are more than 2000 counterparties worldwide

Australia    Austria    Armenia    Belarus    Bulgaria    Great Britain    Germany    Hong Kong    India    Italy    Kazakhstan    Canada    China    Columbia    Latvia

Lithuania    Moldova    Norway    UAE    Poland    Russia    USA    Uzbekistan    Switzerland

+ New in 2018
Bolivia    Vietnam    Georgia    Spain    Kyrgyzstan    Romania    Thailand    Turkey    Czech Republic
REFINERY DIVISION
Krastsvetmet processes mined and recycled materials and produces platinum group metals as bars and powders.

Products:
- platinum group metals as ingots and powders,
- gold and silver bullions and granules,
- precious metal chemical compounds.

Krastsvetmet precious metals productions are internationally recognized and included in Good Delivery (high quality) lists.
Golden record 2018

314 tons Russia

234 tons Krastsvetmet

Share in the Russian market

<table>
<thead>
<tr>
<th>Metal</th>
<th>Share</th>
</tr>
</thead>
<tbody>
<tr>
<td>Gold</td>
<td>74%</td>
</tr>
<tr>
<td>Silver</td>
<td>55%</td>
</tr>
<tr>
<td>Platinum</td>
<td>96%</td>
</tr>
<tr>
<td>Palladium</td>
<td>98%</td>
</tr>
</tbody>
</table>
Precious metal products

30% 12 tons

+30 technical products made of precious metals in 2018

17 types of new products in 2018

Products for temperature measurement
Precious metal certified reference materials for calibration of analytical instruments
Glass bushings for glass fiber production
Catalytic systems for oxidation of ammonia
Targets for the production of glasses with special properties
Chemical compounds for pharmaceutical industry
Labware
In 2018 the company provided analytical support and participated in development of certified reference materials of gold and silver composition for the London Bullion Market Association (LBMA) to ensure uniformity of measurement among the refiners on the Good Delivery list.

All the companies on the Good Delivery list in the world will continue to analyze their products and raw materials using Krastsvetmet certified reference materials.
JEWELRY DIVISION
Krastsvetmet is the leader in the production of golden chains in Russia

Products: machine-woven chains and bracelets of precious metals

170 weave styles

Alloys
Gold 585° and 750°
Platinum 585° and 950°
Palladium 850°
Silver 925°
In 2018 the Jewelry Division produced 8 tons of chains

- 590 new clients in Russia
- 19 new clients abroad
- 10 weave styles were added to the existing range

- 4x increase in sales of souvenir gold bars totaling to 334 kg
- 4x increase in revenue of shop-krastsvetmet.ru totaling RUB 11 million.

Total website traffic for the year is 221 thousand visitors.
Respect for the environment is one of the company priorities

Emissions into the atmosphere, tons

<table>
<thead>
<tr>
<th>Year</th>
<th>Emissions</th>
</tr>
</thead>
<tbody>
<tr>
<td>1943</td>
<td>1540</td>
</tr>
<tr>
<td>1980</td>
<td>689</td>
</tr>
<tr>
<td>2018</td>
<td>163</td>
</tr>
</tbody>
</table>

0.09% contribution to total emissions into the atmosphere across Krasnoyarsk. This is one of the lowest figures among major industrial companies located within the city limits.

In 2018 there was achieved a decrease of

-28% in discharge of effluents
-6% in emissions into the atmosphere of Krasnoyarsk
THE EXPERIMENTAL FACILITIES OF THE SCIENCE AND TECHNOLOGY CENTER CONDUCT RESEARCH AND DEVELOPMENT AT A HIGH LEVEL IN A PROJECT MANAGEMENT MODE

49 researchers

14 research areas

45 projects in progress

500 pieces of high technology equipment
TRAINING AND DEVELOPMENT IN THE COMPANY
KRASTSVETMET CORPORATE UNIVERSITY GOALS:
BUILDING UP POTENTIAL, QUALIFICATION AND EXPERTISE OF EMPLOYEES IN THE KEY WORK AREAS, FORMING A CULTURE OF A SELF-LEARNING COMPANY

200+
vocational training programs

3310
satisfied requests for developmental and professional programs

47
employees of the company act as tutors and lecturers
During four years, education in the corporate group was received by:

- 50 bachelor’s degree students
- 11 master’s degree students
- 90 people took part in the contest for the selection of the corporate group students
- 6 corporate group graduates began working for the company
The company development goal is increasing long-term competitiveness

<table>
<thead>
<tr>
<th>Continuous improvement</th>
<th>Creating added value</th>
<th>Growth of investments in digitalization</th>
</tr>
</thead>
<tbody>
<tr>
<td>of all business processes and increased operational efficiency on highly competitive and low margin markets</td>
<td>for customers through the provision of the best service</td>
<td>of relations with clients and internal corporate processes</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Marketing new products</th>
<th>Investments in research</th>
<th>Development of people</th>
</tr>
</thead>
<tbody>
<tr>
<td>to expand customer base and increase profitability</td>
<td>and development to sustain technological leadership in a dynamically changing world</td>
<td>and corporate culture to increase employee involvement and, as a result, efficiency</td>
</tr>
</tbody>
</table>