

A large, stylized letter 'S' in a light gray color, serving as a background for the text. The 'S' is composed of three main curved segments. The top segment contains the text 'Concretum pro abstracto', the middle segment contains 'ARCO', and the bottom segment contains 'Engineering and consulting'.

**Concretum  
pro abstracto**

**ARCO**

**Engineering  
and consulting**



Our creed:

Nothing is so simple and not valued so high as  
an honest and respectful attitude to a partner.

The customers of ARCO services are financial-industrial groups and regional  
enterprises running their activities both in Krasnoyarsk region, and in other  
regions of Russia.

They trust us:



And more than 100 other companies



The company is focused on the use of international best practices in consulting and engineering.

ARCO has a long and rich history of relations with regional authorities, often acting as the initiator and the executor of projects in various areas of economical and political life of the region.

Employees of the company have practical experience of large investment projects implementation in design and construction of industrial objects, in improving efficiency of existing companies and strategic planning.



Alexander Belev  
General Director

We are ready to provide you with our experience and knowledge to solve your problems

E

## Engineering

Audit

Base Engineering:

- basic project plan (content, time, cost)
- feasibility study
- project implementation plan

Design

P

## Procurement

Precontractual study

Delivery of main technological, engineering and auxiliary equipment

Customs clearance

Installation, commissioning

C

## Construction

Organization and monitoring of construction

Interaction with regulatory bodies

Financial control

Putting into operation

Warranty and service

M

## Management

Time management

Quality management

Cost management

Management of content and introduced changes

ARCO has a unique experience of work with large international companies.



13 000 30  
employees worldwide countries

The world leader  
in production  
of automotive catalysts



## Design and construction of the first Johnson Matthey automotive catalysts plant in Russia

**Implementation period** 04.2006–03.2008

Consultations of the investor on the most effective placement of the production plant in Russia.

**Complex project management:**

- management of design and construction work;
- interaction with regulatory authorities in all phases of the project;
- time management of the project (the object was put into operation earlier than planned);
- project cost management (savings achieved);
- project content management;
- quality control.

50 000 54  
units of special equipment produced models of special equipment

The world leader  
in production of special  
equipment for aluminum  
industry and non-ferrous  
metallurgy



## Design and construction of the machine-building plant Hencon

**Implementation period** 03.2010–05.2012

**Pre-project preparation:**

- search and assessment of partners, establishment of cooperative relations, business planning.

**Complex project management:**

- management of design and construction work;
- interaction with regulatory authorities in all phases of the project;
- time management of the project (the object was put into operation in time);
- project cost management (savings achieved);
- project content management;
- quality control (no comments within the warranty period).



64%

of gold refining  
in Russia

96%

of platinum group metals  
refining in Russia



Design and construction of the refinery production  
of OJSC Krastsvetmet

Implementation period 2012–2018

**Complex project management**

**Base engineering 05.2012–05.2013:**

- audit of technological processes, estimation of reserves and opportunities;
- basic project plan (content, time, cost);
- feasibility study;
- project implementation plan.

**Design**

**Engineering works for the advancement of technological processes and equipment placement. Construction:**

- relocation of the existing shops, relocation of the infrastructure objects;
- construction of the main building and all objects of infrastructure.

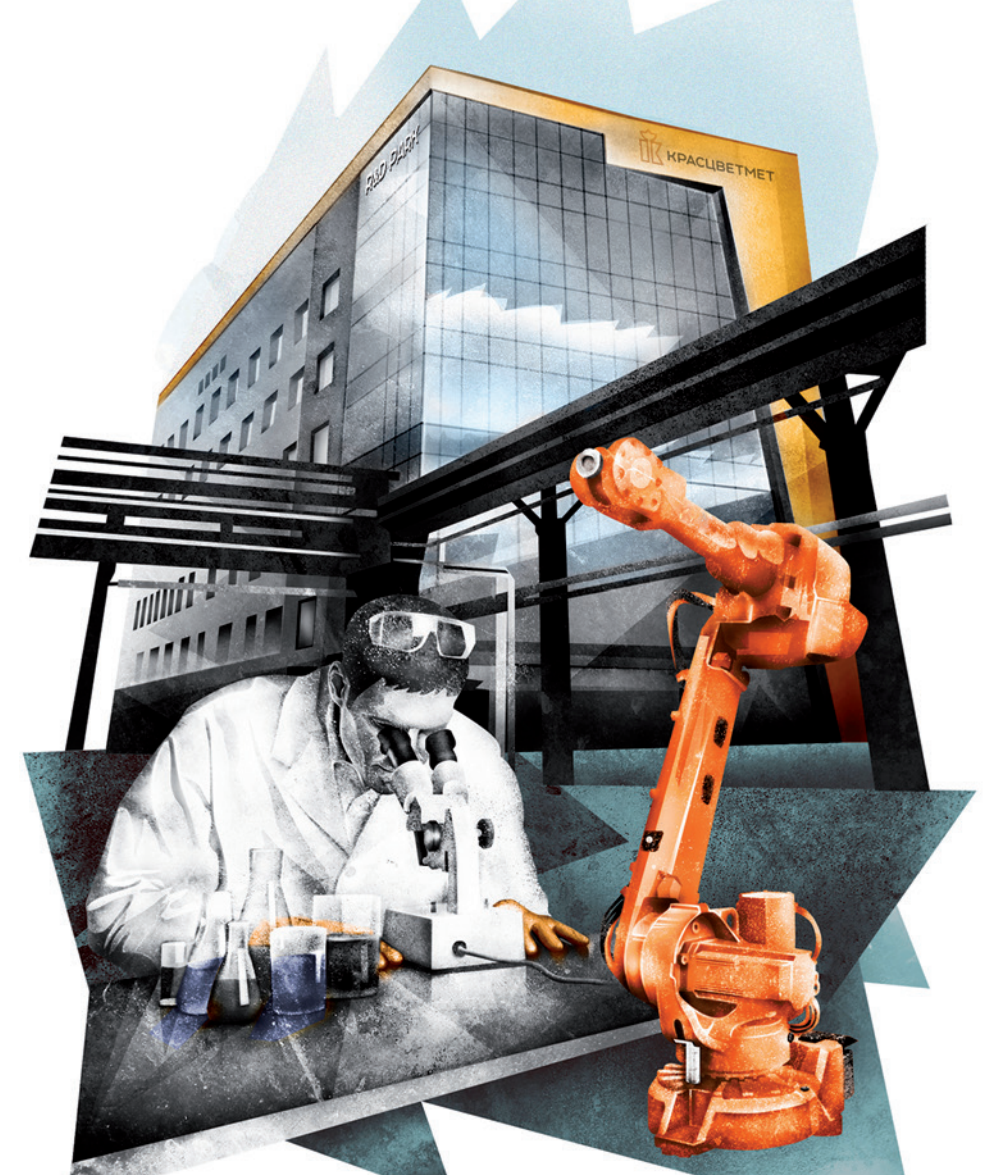
15 000

m<sup>2</sup> object area

1300

pieces of technological  
equipment

The research center for  
development of new  
technologies in metallurgy of  
precious metals



Design and construction of R&D Center  
of OJSC Krastsvetmet

Implementation period 06.2012–12.2015

**Design**

Development of the technological concept and industrial design.

Delivery of the main technological equipment.

Implementation of new technologies in the field of gas purification.

**Construction. Complex project management:**

- management of design and construction work;
- interaction with regulatory authorities in all phases of the project;
- time management of the project (the object was put into operation in time) without comments from the Customer;
- project cost management;
- project content management.



## Solikamsk magnesium plant

Russia

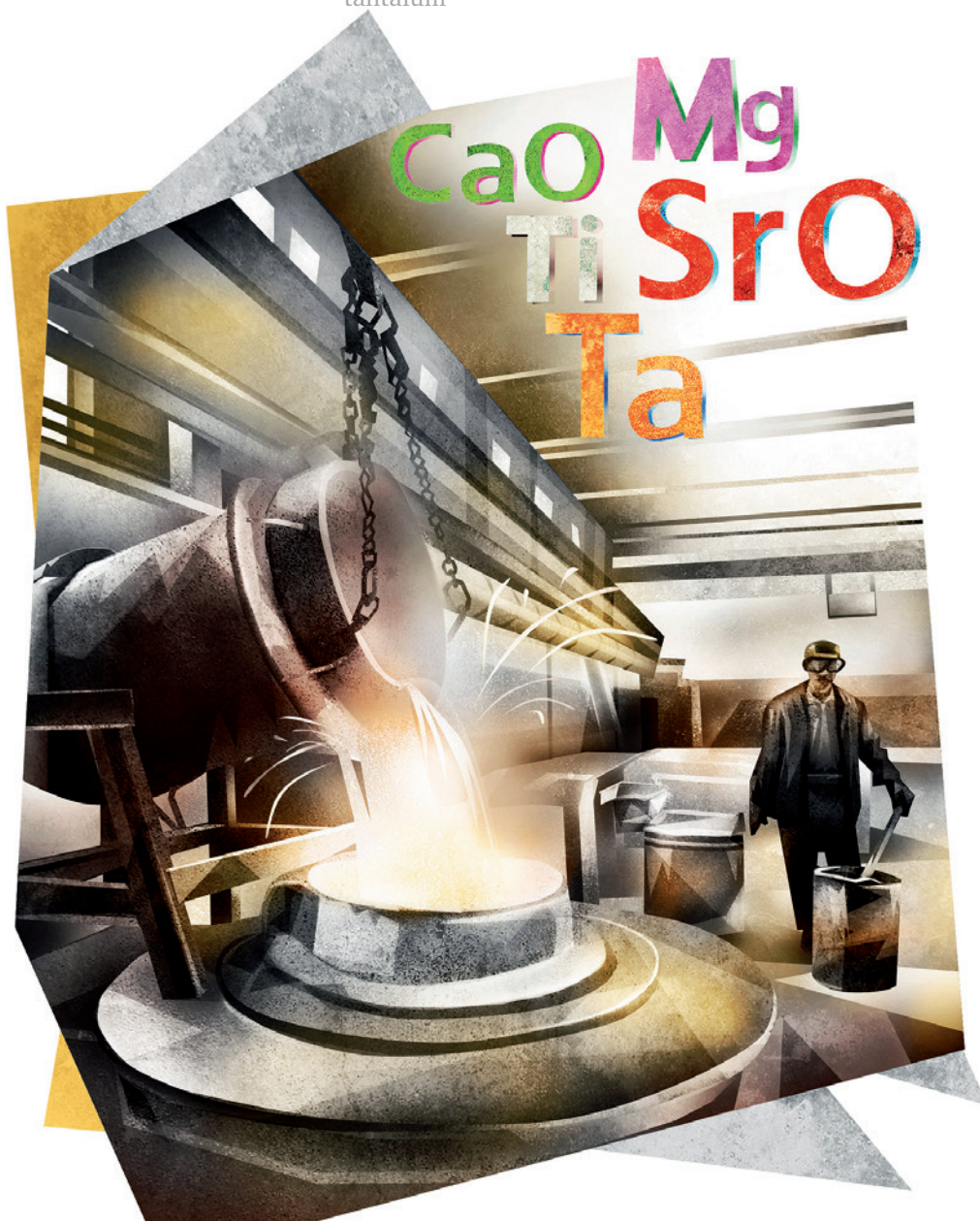
# 60%

of commercial  
magnesium

# 100%

of compounds of rare earth  
elements of niobium and  
tantalum

The only one producer  
of rare earth compounds  
in Russia



### Development strategy of OJSC Solikamsk magnesium plant and LLC Lovozerskiy GOK

#### Implementation period 2012

Technological and financial audits were performed, bottlenecks were identified.  
Actions to reduce costs were developed.  
Actions to increase revenue and improve capitalization were developed.  
Development strategy of magnesium and rare earth metals production was prepared.

## Krasnokamensk mine

Russia

# 64 000 000

tons — iron ore reserves

OJSC Krasnokamensk  
mine — is a city-forming  
enterprise, which produces  
iron ore concentrate



### Complex project OJSC Krasnokamensk mine

#### Implementation period 2008–2011

Financial and technological audits were performed.  
Development concept and feasibility study were prepared.  
The mine was launched. Production of iron ore concentrate was resumed.  
Feasibility study of involving new fields in the resource base was developed.  
Project documentation for the modernization of the mine was developed.  
Complex project involving two additional processing areas with high added value in partnership with foreign suppliers of technology was developed.  
The assets were sold to a new owner, after which the company ARCO withdrew from the project.



## Norilsk Nickel

Russia  
nornik.ru

# 38%

share of the world market  
of palladium

# 22%

share of the world market  
of nickel

The world's largest plant  
for nickel and palladium  
production



Analytical services  
for MMC Norilsk Nickel

Implementation period 1998–2008

## Divnogorsk industrial park

Russia

# 120 000

m<sup>2</sup> area of production  
premises

# 14 billion

rubles investments  
(280 mln US dollars)

The first project in Siberia  
of the industrial park for  
the production of electronic  
equipment



Feasibility study of creation and development  
of the industrial park in Divnogorsk

Implementation period 2011

Specialization of the industrial park and its competitive advantages, parameters to attract residents, as well as the physical parameters of objects of the industrial park were determined.

- architectural and space-planning concept was designed;
- binding of the industrial park project with the existing production sites and construction of new buildings was carried out;
- engineering research was conducted;
- capital expenditures were defined;
- implementation stages of the industrial park were determined;
- development concept and feasibility study were prepared.





We help to implement effective projects





Marketing. Audit.  
Business planning

We have competence in the field of marketing researches, production efficiency improvement and strategic planning.



Learn more about  
our projects — visit  
our website [arko24.ru](http://arko24.ru)



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**ARCO**

Engineering and consulting