



SUNLIGHT  
ENGINEERING

COMPLEX SOLUTIONS  
IN THE MINING AND ENERGY INDUSTRIES





## SUNLIGHT ENGINEERING

is a provider of ready-made process design solutions with the unique experience in construction, engineering design, operation and upgrading of projects in the market for mining and metallurgical industry.

The impressive experience in project implementation by the SLE team allows us to implement the most ambitious and large-scale projects, using the high-tech equipment and software, as well as complying with the international industry-specific standards.



# ACCUMULATED EXPERIENCE



Experience in working with the low-grade ores such as: Au, Ag, Cu, Zn, Pb;



Experience working with MMMFs, both in South Africa and in Kazakhstan and Russia;



Experience in concentration process and hydrometallurgy in the mining industry;



Engineering design, construction and operation of the power transmission lines, grid substations up to 220 kV (incl.);



Engineering design and construction of the infrastructure facilities;



Engineering design, construction and operation of the concentration and gold processing plants, upstream and downstream impoundments (up to 450mln tons);

## SUNLIGHT ENGINEERING

is a provider of ready-made process design solutions in the market for mining and metallurgical industry.

### SUNLIGHT ENGINEERING provides:

- Engineering surveys;
- Engineering design and modeling;
- Construction and revamping;
- Supply of process equipment;
- Implementation and management of operation systems;
- Full support at all stages of the project life cycle.







## OUR MISSION

When implementing its projects, SLEngineering contributes to the development and welfare of the founders and employees providing high-quality services by utilizing the world-class technologies and best practices.

## OUR VISION

Become one of the top ten companies in the mining industry.

# OUR VALUES

## RESPECT

We respect and support each other, render help and rejoice in the success of our employees, we encourage different opinions.

## EFFICIENCY

We apply the world-class technologies and best practices in our work; we constantly improve our knowledge, comply with the established standards of performance, and implement the latest industry innovations.

## OPENNESS

All of us are always open to interaction with the stakeholders.

## ENVIRONMENT AND SAFETY

We comply with all rules on safe work practices, as well as perform all our operations with care for the environment.





# OUR PRINCIPLES

- ✓ Compliance with the established legislative regulations of the Republic of Kazakhstan regarding the occupational health, safety and environment;
- ✓ Business transparency;
- ✓ Compliance with the project deadlines and achievement of the project targets;
- ✓ Continuous improvement of processes;
- ✓ Improvement of team skills.



# OUR SERVICES

1

Basic Engineering

2

Engineering design and modelling of industrial facilities

3

Process equipment supply and installation

4

Management of the projects and facility construction

5

Implementation and maintenance of the operations management systems

6

Surveying and processing of photogrammetry and laser scanning data



# HOW DO WE IMPLEMENT PROJECTS?

1

We **study** the Customer's specifications at the front-end engineering design stage;

2

We **unify** the proposed equipment;

3

We **coordinate** requirements for information systems and models;

4

We **develop** a detailed project implementation schedule;

5

We **review or develop** the design and detailed documentation using the information modelling technologies;

6

We **perform** the main types of work on installation of the process equipment, electric power systems and production process control systems using our own resources only;

7

**Selection and prequalification** of subcontractors are carried out in the early stages of the project implementation.



# SOFTWARE USED

- MicroStation ConnectEdition
- Bentley Raceway and Cable Management
- Bentley OpenRoads Designer
- Bentley OpenPlant P&ID, Modeler, Isometrics
- OpenBuildings Designer
- ContextCapture
- LumenRT
- Tekla Structures
- Dassault systems Surpac Vision

The engineering data (**ProjectWise**) are stored and managed exclusively on the company's local servers. Visualization of information models is carried out using our proprietary design solution - **Asset Management System (IMAC)**.







## SUNLIGHT ENGINEERING

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