



SKRINEX POLSKA

UNLEASHING POTENTIAL: NEW VENTURES AND NEW FACES

SKRINEX-DG.COM

Our company is continuously evolving and expanding its field of operations. Our recruiting department is constantly searching and selecting top-notch specialists across various fields of activity. At present, our company can provide services in:

- Geodetic surveys of terrain during design.
- Conducting geodetic control to ensure the geometric parameters of industrial constructions comply with standards.
- Creating foundational geodetic substantiation and layout networks.
- Performing control and layout work at construction sites.
- Precision measurements for major repairs and construction of facilities.
- Establishing underground surveying polygonometric networks.

These tasks will be carried out by a highly qualified specialist – Geodetic Engineer Mikhail Mashkin. Below is his portfolio.



- **DATE OF BIRTH: 20.02.1984**
- **NATIONALITY: UKRAINE**
- **MARITAL STATUS: MARRIED, TWO CHILDREN**
- **EXPERIENCE IN THE PROFESSION: 20 YEARS**

EDUCATION

2001 - 2006: Donetsk National Technical University
Donetsk, Ukraine

Major: Mining Engineer - Surveyor

WORK EXPERIENCE

2022 – March 2024

Grzegorz Janiec GEODETIC AND CARTOGRAPHIC SERVICES
Łobez, Poland

POSITION: Surveyor - Cartographer, specifics of the work

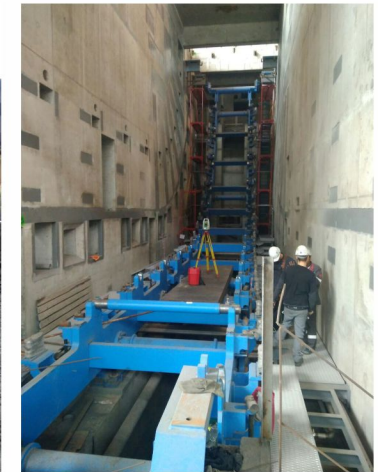
Geodetic surveys of the terrain for design purposes

Geodetic support during the construction of underground utilities and positioning of the axes of buildings under construction

Restoration and positioning of boundary markers of land plots

2017 – 2022: METINVEST ENGINEERING LLC

"Ilyich Iron and Steel Works" Mariupol, Ukraine



POSITION: SENIOR SURVEYOR

— Oversight of technical supervision for construction of Strategic Investment Projects:

Complex construction of a Continuous Casting Machine at Ilyich Iron and Steel Works (CCM Building No. 4, Ladle Furnace Facility, Gas Cleaning System, Water Management Unit, Water Tower, 110/35 kV Transformer Substation, 110kV High Voltage Line, Slab Storage Warehouse, roadways/railways, compressor station).

● Gas cleaning installations for blast furnaces and Bunker Gallery No. 3, 4, 5 (6 Gas Cleaning Units: Bag filters, Dust collection bunkers, Main gas ducts (diameter – 6m) from Blast Furnace/Bunker Gallery to bag filters, Shelters (umbrellas) for Blast Furnace/Bunker Gallery, Utility networks (cable racks, transformer stations, water, sewerage, compressed air, compressor stations).

● Reconstruction of the LPC-1700 rolling mill (surveys of actual equipment location, foundations, construction of new foundations while the mill is operational, installation of a reversible stand (400t) using the "skidding" method with MAMMOET lifting equipment, installation of an Intermediate Coil Box, installation of coilers, installation of roller table sections, milling of finishing stand housings for adapters. Precision measurements performed with a robotic Leica TDRA 6000 total station using SpatialAnalyzer software).

● Reconstruction of Sinter Plant: (Bag filters, conveyors, gas ducts). — Performing geodetic control to ensure geometric parameters of industrial constructions are met. — Establishment of a geodetic baseline and layout network, with phase-wise the facility.

— Verification of the accuracy and completeness of geodetic surveys conducted by contracting organizations.

— Conducting control and layout work at the construction site.

— Review of basic and working project documentation with reporting on detected errors and control of their rectification in projects to accelerate and improve quality of field installations.

— Performing specialized geodetic works - precision measurements during the overhaul of the 1700 rolling mill.

— Monitoring deformations of buildings and structures during their operation and underpinning.

— Close collaboration with design organizations to quickly resolve conflicts at the construction site.

2013 – 2016: "Donetsk Mine Construction Company"

Donetskshakhtoprokhodka

Donetsk, Pokrovsk - Ukraine

POSITION: Section Surveyor engaged in underground works

- Geodetic support for the construction of shafts VPS-3 and VS-3 at the industrial site of block №11 "Pokrovskoye Mine Management":
- Periodic inspection of the geometric elements of hoisting machines and shaft sinking equipment, hoist platforms, and sheaves
- Construction of foundations, buildings, installation of the CR-6*3.4/0.6 hoisting machine
- Bi-decadal surveying of the rock-coal dump, gravel storage, sand storage
- Positioning in nature of axes for various construction objects
- Layout of the 110kV power line route, foundations of linear portals for the 110/6 kV substation
- Centering of shaft formwork
- Measuring the depth of the shaft using a depth gauge DA-2
- Layout of the shaft connections with horizontal mine workings
- Orientation of horizontal mine workings through a single vertical shaft
- Creation of an underground surveying polygonometric network
- Surveying support for the development of field and seam mine workings
- Participation in the disconnection of workings not communicating with each other underground "between mines" over a distance of 7 km
- At "V.M. Bazhanov Mine" during the construction of the tower skip shaft in 2014:
- Geodetic support for the construction of foundations and installation of hoisting machines and winches, zero frame, cable lines, compressed air pipelines.





2006 – 2013: "A.F. Zasyadko Mine" Donetsk, Ukraine

POSITION: Section Underground Surveyor

- Surveying support for three development headings and one mining section
- Associated tasks in layout of bunker axes, conveyors, and drilling rigs
- Conducting critical blasts of field workings and with the shaft
- Creation of an underground surveying polygonometric network
- Measurements from an observational station for deformations at the junction of the shaft with the surrounding yard
- Profile surveying of guides and shaft walls
- Gyroscopic orientation of sides in polygonometry using the MBT-2 gyrocompass for blasting work across all development headings of the m3 seam
- Monitoring of settlements and deformations of factories, crane tracks, and railway tracks under the "Donetsk Metal Rolling Plant"
- Inspection of geometric elements of multi-rope hoisting machines of the tower crane type (TSH-4*4)
- Planimetric and altimetric surveying of gantry crane tracks on the industrial site
- Tacheometric measurement of the volume of rock dump and coal storage using THEO-020 theodolite
- Conducting tacheometric surveys with THEO-020 theodolite
- Geodetic works for preparing a site for the installation of a K160 drilling rig for gas wells
- Management of mine graphic documentation
- Calibration, repair, and adjustment of surveying instruments. buildings and structures, features of their inspection in specialty 192 Construction and Civil Engineering.»

2005 – 2006: "Donetskshakhtometrostroy" LLC, Donetsk, Ukraine

POSITION: Underground Shift Surveyor

- Surveying support for tunnel passage using a laser direction indicator
- Main polygonometry using a 2T2 theodolite and SP-2 distance meter, optical centering
- Leveling runs of class 2 using an N-05 level and invar staff
- Monitoring of undermined objects
- Surveying of crane tracks at the "Donetsk Plant Construction Complex"

Professional Skills and Knowledge

- Complete geodetic support and analysis of works from excavation development to technological equipment adjustment during the warranty period of startup at construction sites, with delivery of construction projects to the client.
- Ability to work with total stations (including robotic Trimble S8, S5; and precision robotic Leica TDRA 6000) Leica TS06, Trimble M3, C5, Sokkia CX-102; 3D scanner Leica P40; GNSS receivers: Leica GS07, Trimble TSC07, Trimble T7, Topcon Getac, levels (including high-precision with micrometer drum and invar staff), theodolites (any), gyrocompass MBT-2.
- Advanced PC user, proficient in software: Word, Excel, Adobe, AutoCAD, SpatialAnalyzer, Mikromap, Outlook; Internet.
- Knowledge of regulatory construction documentation.
- October 2021 - Odessa State Academy of Civil Engineering and Architecture, Advanced training courses - Center for Postgraduate Education: "Engineering surveys for design and construction."
- October 2021 - Odessa State Academy of Civil Engineering and Architecture, Advanced training courses - Center for Postgraduate Education: "Construction of buildings and structures, features of their inspection in specialty 192 Construction and Civil Engineering."



