



Assistant Principal Dr. Engineer Rafail Rafailov

University of Mining and Geology "St. Ivan Rilski", Sofia

✉ r_rafailov@mgu.bg

📍 Sofia, Bulgaria

📅 13 February, 1989

EDUCATION AND TRAINING

PhD degree studies: Underground construction
University of Mining and Geology "St. Ivan Rilski", Sofia

Master's degree: Building Construction and facilities:

Lyuben Karavelov Higher School of Construction, Sofia

Master's degree: Architecture

Lyuben Karavelov Higher School of Construction, Sofia

Professional qualification: Entrepreneurship and management

Omega College
Sofia

Secondary education:

Secondary education National Vocational High School of Printing and Photography
Sofia

Primary education:

32 "St. Kliment Ohridski"
Sofia

PROFESSIONAL EXPERIENCE

Designer of buildings and structures underground construction
"Rafail" Ltd.

PROFESSIONAL SKILLS

Good work in building and fortification design processes and support structures.

LANGUAGES

English ● ● ● ● ●

German ● ● ● ○ ○

Russian ● ● ● ○ ○

CERTIFICATES

TestDaF Goethe institut

EXPERIENCED IN USING THE FOLLOWING SOFTWARE PRODUCTS

AutoCAD

Tower

GEO 5

Microsoft Office

ArchiCAD

Rocscience

PROJECTS

- Ventilation shaft and tunnel for ventilation and drainage of a third metro diameter. (2019)
- Technical expertise and prescribed technical solutions with detailed quantitative accounts for the types of work on 9 of the most important subways and tunnels in Sofia - NDK, Lyulin, The Mall and others. (2017)
- Technical project for the reconstruction and strengthening of the left tube of tunnel "Vitinya" using two transversal tunnels - two pedestrian and one for a fire engine. (2019 - 2020)
- Strengthened sections with disturbed stability along Lyulin highway, km. 7+150 and 9+600, Struma highway, "Rila Monastery", Smolyan, Elhovo, Shipka and others. (2024)
- Quay and reservoirs at port in Beloslav. (2017 - 2018)
- The first stage of the expansion of the port of Burgas - quay and cleat. (2017 - 2018)
- First and second stages of expansion of Burgas port. (2019)
- Supported excavation, drainage and foundation of a high-rise building in Mladost - "Garanti Koza". (2017)
- Support of excavation, drainage and foundation of skyscraper at the "East" service station. (2019)
- Support of excavation and drainage of 20 acres of excavation of the site of the former Danish college next to Krasna Polyana municipality. Highly drained area near "Krasno Selo" metro station. (2018)
- Emergency recovery, waterproofing, strengthening and upgrade of a surfaced by 50 cm store "Zora" in Burgas. (2017 - 2018)
- Work on numerous fortified excavations across the country. (2024)
- Teamwork on a railway tunnel project. "Kostenets - September" line.