

Nermin Hasanbašić

Radna dozvola: austrijsko

Datum rođenja: 26/10/1996

Mjesto rođenja: Tesanj, Bosna i Hercegovina

Državljanstvo: bosansko-hercegovačko

Spol: Muško

KONTAKT

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RADNO ISKUSTVO

T&E d.o.o. projektovanje, savjetovanje i usluge Sarajevo, Bosna i Hercegovina

Civil engineering technical assistant
01/08/2019 – 01/10/2019
Reinforcement and formwork drawings, modeling in Revit

INFRA Ltd Sarajevo Sarajevo, Bosna i Hercegovina

Civil engineers
03/08/2020 – 01/05/2024
Structural analysis of bridges, reinforcement and formwork drawings, modeling in Revit with pointcloud, modeling steel structures in Autodesk Advance Steel

International BURCH University Sarajevo, Bosna i Hercegovina

Associate Lecturer
01/09/2021 – 01/09/2022
Associate Lecturer at:
Concrete structures I
Steel structures I and II

All teaching process was on English

IKK Group Graz, Austrija

Projekttechniker/-statiker Stahl-/Betonbau bei IKK
02/05/2023 – 01/07/2026
- Structural analysis of steel and concrete structures
- Advance Steel of steel structures
- Idea Statica connections analysis

VERTEX Tešanj, Bosna i Hercegovina

CEO
01/07/2026 – Trenutačno
Vodim samostalni inženjerski biro specijalizovan za statiku i projektovanje čeličnih i armiranobetonskih konstrukcija. Većinom radim kao vanjski partner (outsourcing) za inženjerske biroe iz Austrije i Njemačke. Paralelno vodim projekte za investitore u BiH, od idejnog rješenja i statičkog proračuna do izvedbene dokumentacije i stručnog nadzora.

Ključne aktivnosti:
- Statički proračuni i dimenzionisanje čeličnih i AB konstrukcija prema Eurokodovima, s nacionalnim dodacima ÖNORM i DIN, te prema propisima koji važe u BiH
- Analiza opterećenja: stalno, korisno, snijeg, vjetar (uključujući CFD simulaciju), seizmika, kranske staze i opterećenje od viljuškara
- Proračun priključaka (CBFEM), ankera i temelja, te dokaz zamora čeličnih elemenata (EN 1993-1-9)
- BIM modeliranje i izrada izvedbenih i radioničkih crteža za čelik i armaturu
- Izrada idejnih i glavnih projekata, tehničkih opisa i predmjera za ishodovanje dozvola
- Stručni nadzor nad izvođenjem radova
- Tehnička dokumentacija na bosanskom, njemačkom i engleskom jeziku
- Vođenje biroa: akvizicija klijenata, ponude, ugovori o saradnji i učešće na javnim tenderima

Tipični projekti:
- Industrijske i proizvodne hale, uključujući skladišne hale i kranske staze
- Stambene zgrade s AB konstrukcijom i seizmičkom analizom
- Čelični cilindrični objekat (D 3,5 m, H 22 m) s analizom vjetra po EN 1991-1-4 i u RWIND-u
- Servisne staze za rashladne tornjeve

- Temelji tankova i opreme, temelji ograda sportskih terena, ušice za podizanje
- Drvene krovne konstrukcije (BIM)

Softver: RFEM 6 (RWIND, CRANEWAY), IDEA StatiCa, Tower, Advance Steel, Tekla Structures, Revit, ArmCAD, AutoCAD, Civil 3D, Autodesk Construction Cloud

OBRAZOVANJE I OSPOSOBLJAVANJE

01/10/2015 – 01/07/2018 Sarajevo, Bosna i Hercegovina

Bachelor's degree, Civil Engineering University of Sarajevo

Adresa Patriotske lige 36, 71000, Sarajevo, Bosna i Hercegovina | **Internetske stranice** gf.unsa.ba

01/10/2018 – 01/12/2018 Sarajevo, Bosna i Hercegovina

Revit Structure Basics, Civil Engineering Walter Academy

Adresa Muhameda Kantardžića, 71000, Sarajevo, Bosna i Hercegovina | **Internetske stranice** walteracademy.com

01/10/2018 – 01/07/2020 Sarajevo, Bosna i Hercegovina

Master of Science - MS, Construction Engineering University of Sarajevo

Adresa Patriotske lige 36, 71000, Sarajevo, Bosna i Hercegovina | **Internetske stranice** gf.unsa.ba

JEZIČNE VJEŠTINE

MATERINSKI JEZIK/JEZICI: bosanski

Drugi jezici:

engleski

Slušanje C1 | **Govorna produkcija** C1
Čitanje C1 | **Govorna interakcija** C1
Pisanje C1

njemački

Slušanje B2 | **Govorna produkcija** B2
Čitanje B2 | **Govorna interakcija** B2
Pisanje B2

Razine: A1 i A2: temeljni korisnik; B1 i B2: samostalni korisnik; C1 i C2: iskusni korisnik

VJEŠTINE

Autodesk Revit, Autodesk AutoCad | Autodesk Advance Steel | TOWER/ARMCAD RADIMPEX - LEVEL 5/5 EVERYDAY PROFESSIONAL USE | Microsoft Office, Microsoft Word, Microsoft Excel, Outlook, Facebook, Google | MS Office (MS Word, MS Excel, MS Powerpoint, MS OUtlook, MS Teams, MS Project) | Basic in using SOFiSTiK | Frilo Statik | ArchiCad basic user

VOZAČKA DOZVOLA

Vozačka dozvola: B

Vozačka dozvola: C1

PROJEKTI

04/2021 – 08/2021

Main design of bridge Kovanići on section Poprikuše-Nemila

General drawings
Formwork of prestressed girders
Reinforcement plan of prestressed girders

Bill of quantities

09/2021 – 12/2021

Main design of overpass Kovanići on section Poprikuše-Nemila

General drawings
Formwork of prestressed girders
Reinforcement plan of prestressed girders
Bill of quantities

12/2021 – 02/2022

Main design of bridge Željeznica, section Poprikuše-Nemila

Structural analysis of bridge
General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities

10/2021 – 11/2021

Main design of bridge Rakovica 1 on LOT3b

Structural analysis of bridge
General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities

12/2021 – 02/2022

Main design of bridge Rakovica 2 on LOT3b

Structural analysis of bridge
General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities

Main design of bridge Rogačići 1 on LOT3b

General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities

Main design of bridge Rogačići 2 on LOT3b

General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities

Main design of bridge M2, section Počitelj-Zvirovići

General drawings
Formwork of prestressed girders
Reinforcement plan of prestressed girders
Bill of quantities

Main design of bridge in 1+347km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

Main design of bridge in 9+933km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab

Reinforcement drawings of deck slab

Main design of bridge in 43+182km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

Main design of overpass in 80+950km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

Main design of bridge in 80+200.14km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

Main design of bridge M3, section Počitelj-Zvirovići

General drawings
Formwork drawings
Reinforcement drawings
Bill of quantities
Structural analysis of walls

Scaffolding for bridge Kolašin

Drawing and assistant at project of scaffolding for bridge Kolašin in Montenegro

Reconstruction object for Natron Hayat

3D modeling in Revit actual condition of buildings from point cloud
Modeling plan of reconstruction using phases in Revit
Modeling new steel construction in Advance Steel

Reconstruction bridge in Stolac

3D modeling bridge in Revit from pointcloud

Main design of business building aparthotel Jahorina, building A and building B

Formwork drawings
Reinforcement drawings
Consultation on structural analysis

Main design of steel hall for production line

Steel construction drawings
Consultation on structural analysis

Main design of sawmill

Structural analysis
Formwork drawings
Reinforcement drawings
Workshop designs of truss

Main design of bridge in 50+150km, section Pojate-Preljina

Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

Laibach

Structural and dynamical analysis of construction

Formwork and reinforcement drawings

01/09/2022 – 01/11/2022

Main design of overpass Garevci, section Banja Luka-Prijedor

General arrangment drawings
Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/08/2023 – 01/10/2023

Sign steel portals on Dolgi most project in Slovenia

Complete structural analysis of steel construction
Calculation of steel connection with idea statica
Modelling steel construction in Advance steel

01/06/2023 – 01/08/2023

Main design of bridge Usora 2 on section Medakovo - Ozimice

Coordination of project
Revision of drawings
Formwork drawings and prestressed steel drawings

01/02/2023 – 01/04/2023

Main design of bridge in 60+960km, section Pojate-Preljina

Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/02/2023 – 01/04/2023

Main design of bridge in 64+430km, section Pojate-Preljina

Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/04/2023 – 01/06/2023

Main design of bridge in 101+644km, section Pojate-Preljina

Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/04/2023 – 01/06/2023

Main design of bridge in 106+981km, section Pojate-Preljina

Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/09/2022 – 01/11/2022

Main design of overpass O63, section Banja Luka-Prijedor

General arrangment drawings
Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders

Formwork plan of deck slab
Reinforcement drawings of deck slab

01/10/2022 – 01/02/2023

Main design of bridge O30, section Banja Luka-Prijedor

General arrangment drawings
Leading the project of bridge, organization on project
Formwork drawings of prestressed girders
Reinforcement drawings of prestressed girders
Formwork plan of deck slab
Reinforcement drawings of deck slab

01/05/2024 – 01/06/2024

TMP-1 - Fundamente

Preparation of shop drawings for pipe bridge foundations

01/06/2025 – 01/12/2025

TMP-1 Voestalpine

Design of a conveyor bridge – Parts 1–8

- Development of the design solution
- Structural modeling in Advance Steel
- Preparation of shop drawings
- Connection design and calculations

01/03/2025 – 01/04/2025

Bridge lifting - ASFINAG and STRABAG

Design of a steel structure for bridge lifting during bearing replacement

- Structural (static) calculations
- Preparation of shop drawings

01/04/2025 – 01/06/2025

TMP1 - Voestalpine - Schrotthalle

Steel lattice girders supporting steel trusses (binder / undergirder)

- Connection design and structural calculations
- 3D modeling and preparation of shop drawings

01/01/2026 – 01/02/2026

Rohrbrücke_B35 und B38

Cjevovodni most B35 (Rohrbrücke 5) – DLR Technologieplattform Power-to-Liquid, Leuna (Njemačka)

Naručilac: Griesemann eFuels GmbH, Leipzig · Investitor: Njemački centar za vazduhoplovstvo i svemir (DLR) · 2025
Uloga: glavni autor statičkog proračuna čelične konstrukcije za građevinsku dozvolu (Genehmigungsstatik)

- Klasifikacija konstrukcije: CC2/RC2, klasa izvođenja EXC2 po EN 1090-2
- Analiza opterećenja po DIN EN 1991: vlastita težina, opterećenje od cjevovoda i kablova, potisak cijevi u četiri smjera, vjetar po EN 1991-1-4 (linijska opterećenja na pojaseve), geometrijske imperfekcije po EN 1993-1-1
- 10 slučajeva opterećenja i 72 kombinacije po DIN EN 1990 (EQU, STR/GEO, granično stanje upotrebljivosti)
- 3D globalni model u RFEM 6: dokaz nosivosti, stabilnosti i deformacija po DIN EN 1993-1-1/NA
- Nezavisna kontrola pojedinačnih elemenata (rešetkasti nosač, poprečni ram) drugim softverom
- Proračun u IDEA StatiCa (CBFEM):
    - 3 tipa oslonaca stubova sa sidrenjem u AB temelje
    - 4 mjerodavna vijčana čvora rama i rešetke

01/02/2026 – 01/03/2026

Čelična konstrukcija za preradu karbona

Čelična konstrukcija U200-B1 – postrojenje Recovered Carbon Black (rCB), Vogošća (BiH)
Uloga: autor statičkog proračuna, uključujući veze i sidrenje

Modularna čelična konstrukcija (platforma) koja nosi procesnu opremu pogona U200: termalizer, puž za kondicioniranje i drobilicu.

- Tri etaže (+3,36, +5,82 i +8,28 m), osovinske dimenzije 14,50 × 4,74 m
- Stubovi HEB 260, glavni i sekundarni nosači HEB 200, ostali elementi IPE 140, čelik S235
- Nema spregova, stabilnost je osigurana okvirnim djelovanjem
- Drugi modul (B2) je u ogledalu i nadovezuje se kasnije. Zato su konzole na etažama montažno-demontažne, a ankerne ploče krajnjih stubova prilagođene susjednom modulu.

01/07/2026 – 01/08/2026

Stambena zgrada - Usora

Stambena zgrada Lamela 1, Usora (BiH) – glavni projekat konstrukcije
Investitor: KARL GROUP d.o.o. · Projektant: VERTEX Engineering · 2026
Uloga: projektant konstrukcije, autor statičke i dinamičke analize
Stambeno-garažna zgrada spratnosti S+P+4+Pk od armiranog betona (C25/30, B500B).

- Mješoviti (dualni) sistem AB zidova i stubova, s centralnim krutim jezgrom oko stepeništa i lifta koje ide od temelja do krova
- Monolitne međuspratne ploče d = 20 cm
- Garaža u suterenu (oko 350 m^2) s AB gredama i platnima, iznad nje ozelenjeni krov
- Temeljna ploča d = 60 cm na zamijenjenom tlu

Obim rada:

- Analiza opterećenja po BAS EN 1991: slojevi podova i ozelenjenog krova, korisno opterećenje po namjeni prostora, snijeg (zona III), vjetar (zona I), pritisak tla na zidove suterena
- 3D MKE model u Tower 8.4 s više od 100.000 pločastih elemenata: zidovi i ploče kao ljuske, temeljna ploča na elastičnoj podlozi (Winkler)
- 10 osnovnih slučajeva opterećenja i 199 kombinacija po EN 1990
- Seizmička analiza po EN 1998-1:
    - modalna analiza i metoda spektra odgovora (ag = 0,15 g, tlo B)
    - centri masa i krutosti, raspored seizmičkih sila po etažama
- Dimenzionisanje po EN 1992-1-1: grede, ploče, kontrola probijanja, AB zidovi na seizmičke uticaje
- Granično stanje upotrebljivosti: ugibi i prsline greda i ploča
- Kontrola napona u tlu i slijeganja temeljne ploče
- Dokument od 179 stranica

Softver: Tower 8.4 (Radimpex)