

Industrial Projects - Dubravka Mijuca, PhD, Prof. dr

	Title	Position held	Activities performed	Client	Year
1	Geotechnical Investigation and Design of Reconstruction of Earth Dam Banjani (H= 30m L=65m)	Principal Finite Element analyst	Consulting in displacement and stress state of the dam	Ministry of Agriculture, Forest and Water, Local Municipality of Gornji Milanovac, Serbia, and VND engineering and consulting	2003
2	Lime kiln upgrade - Recuperation	Principal Finite Element analyst	Consulting in optimum design of heat recuperation system	IT -1 PTY LTD Australia, for One Steel Comp. Australia	2003
3	Integral Energy Efficiency Assessment of the Building Site Block 34 in New Belgrade	Principal Integral Energy Efficiency analyst	Numerical simulation of energy performance in buildings with DesignBuilder Software	Ministry of Science Republic of Serbia	2004
4	Integral Energy Efficiency Assessment of the Building Site Block 29 in New Belgrade	Principal Integral Energy Efficiency analyst	Numerical simulation of energy performance in buildings with DesignBuilder Software	Ministry of Science, Republic of Serbia	2006
5	Migration of software ASCOS - building fire protection and smoke control system to windows operating platform and implementation of new modules	Principal programmer and finite element developer	Programming and Testing of fire protection engineering tools for hazard Estimation	CIP Institute Belgrade, Serbia	2006
6	Integrated assessment of detailed Pellet Rotary Kiln behavior including Girth Gear (GG) Flange and Position Bolts	Principal Finite Element analyst And Consulting	Consulting in detailed thermo-mechanical kiln behavior toward optimum design of flange and position bolts	IT -1 PTY LTD Australia, for One Steel Comp. Australia	2007
7	Engineering simulation of stresses and displacement of embedded fiber optic sensor in composite material under impact	Principal Finite Element analyst	Fully 3D Finite Element analysis of indentation of aramid composite material with embedded optic fibers	ETF, Belgrade, Serbia	2007
8	Integrated assessment of detailed piles behavior, soil-pile interaction	Principal Finite Element analyst	Consulting in behavior of soil-pile interaction for the proposed and optimal design of pile structure toward minimization of steel mass	Fablive, Budva, Montenegro	2008
9	Finite element Structural analysis of the wagon of the Falns type	Principal Finite Element analyst	Full static and dynamic finite element stress analysis and verification under EN/ISO/IEC 17025 norm	Institut Kirilo Savic, Belgrade, Serbia	2009

10	Code for environment for AUTOMATIC multidisciplinary thermo-elastic optimization of electronic components	Principal programmer	Programming and Testing	CADLM	2009
11	Axel boxes railway vehicle verification, BA172, for Kovic, Slovenia	Principal Finite Element analyst	Full static and dynamic finite element stress analysis and verification under EN/ISO/IEC 17025 norm	KOVIS, Slovenia	2010
12	Fire protection/structural analysis of doors	Principal Finite Element analyst	Full transient heat transfer and thermoelastic analysis	Samika, Valjevo Serbia	2010
13	Integral energy efficiency report of the residential house in Ljube Jovanovića 7 st. Senjak, Belgrade	Principal Integral Energy Efficiency analyst and Consulting	Integral simulation of energy performance and consulting i minimizing cost of construction for best cost/performance energy use ratio	Private Investor, Senjak, Belgrade	2010
14	Axel boxes railway vehicle verification, Y25-25T, for Kovic, Slovenia	Principal Finite Element analyst	Full static and dynamic finite element stress analysis and verification under EN/ISO/IEC 17025 norm	KOVIS, Slovenia	2011
15	Design of a new foam like impact protection system	Principal designer and finite element analyst	The CAD designing and FE analysis of the foam like structure with optimal retaining of structural integrity under impact	IMWF, Stuttgart, Germany	2012
16	Integrated assessment of detailed piles behavior, soil-pile interaction Block 67a, I, II, III amnd IV phase	Principal Finite Element analyst	Consulting in behavior of soil-pile interaction for the proposed and optimal design of pile structure	EX ING B&P, Belgrade, Serbia	2014 2015 2016 2017
17	Integrated assessment of detailed piles behavior, soil-pile interaction Block 43, SIRIUS	Principal Finite Element analyst	Consulting in behavior of soil-pile interaction for the proposed and optimal design of pile structure	STRABAG, Belgrade	2016
18	Integrated assessment of detailed piles behavior, soil-pile interaction Vrcin - IKEA	Principal Finite Element analyst	Consulting in behavior of soil-pile interaction for the proposed and optimal design of pile structure	STRABAG, Belgrade	2016
19	Energy Assessment of the residential building, Antony France	Principal Energy Assessor	Consulting in reconstruction toward RT2012 directive in France	DP STUDIO DESIGN Batajnica	2017