PERSONAL INFORMATION	Milorad Burić

Podgorica, Montenegro

00 382 69 020 408

mburic@ucg.ac.me

Sex Male
Date of birth 19/04/1953
Nationality Montenegrin

WORK EXPERIENCE

1978 – present	**Professor**
	University of Montenegro, Faculty of mechanical engineering
	Delivering lectures, transferring knowledge to students, organizing classes, preparation of work plans, preparation of work materials, learning materials and lectures, mentoring students during learning process.

EDUCATION AND TRAINING

1981-1986	PhD in Mechanical Engineering
	Faculty of mechanical engineering, University of Montenegro
	Title of PhD “Elastodynamics of welded lattice bridge crane carriers".

EDUCATION AND TRAINING

1985 – 1986	Specialist at mechanical engineering
	University of Moscow, Mechanical and mathematical faculty; Institute for mechanical engineering Academy of sciences SSSR
	Specialization at Desk “Theory of elastics”

PERSONAL SKILLS

Mother tongue(s)	Montenegrin				
Other language(s)	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	A2	A2	A2	A2	A2
Russian	A2	A2	A2	A2	A2

Communication skills	

Organisational / managerial skills	▪ Excellent at managing – currently managing hundreds of students ▪ Devoted, detailed – prepared and published over 15 scientific researches in internationally recognized magazines ▪ Excellent at team work – prepared many publications and conducted many researches as part of a team ▪ Excellent communication skills gained through daily communication with students

Digital skills	Information processing	Communication	Content creation	Safety	Problem solving
	Independent user	Independent user	Independent user	Independent user	Independent user

Driving licence	B category

RELEVANT PUBLICATIONS	**List of relevant scientific papers:** 1. Candidate of Technical Sciences M.A. Buric "Analiza naprjažonovo sostojanija svarnovo uzla rešetčatoj konstrukciji", Journal "Svaročnoe proizvodstvo. No 8/1986 2. PhD Prof B.Vulićević, PhD M.Burić, B.Sc. ing. V.Filipović, Graduated engineer S.Savicevic "Dynamic Impacts on Steel Structures Free Reliance on Substrate in Conditions of Earthquake" - Zavarivač No 4, 1986. 3. PhD B.Vulićević, Master M.Burić "Behavior of vertical transport vehicles in conditions of earthquake" - International Symposium Anagmozago es epitogepek konstrukciosfejlestese kollokvium - Budapest 26-28 November 1984 4. PhD Milorad Burić - "Voltage condition in welded nodal sheet" – Publication of the International Symposium "Welding and Sewing of Construction Constructions", 19th and 20th March 1987. Belgrade 5. Prof PhD Milorad Burić, Simović S., Damjanović M. - "Analysis of the influence of constructive parameters of grapples on the size of the force at the top of the knife" VIII International Scientific Expert Meeting “Transoprt in Industry”, Belgrade, University of Belgrade, Faculty of Mechanical Engineering, Institute of Mechanization, Belgrade, 7th-8th December 1994 6. Prof PhD Milorad Burić - " Change of the weight of the interlocked Material VS.Weight of Jaws and Cross Rail of 12 GRZ Grab ". XV ECPD International Conference on Material Handling and Warehousing. Belgrade, December 9-10. 1998 7. Prof PhD Milorad Burić - " Influence of the angle of the slope of the sided blade and the width of 12 GRZ 2.4 grab jaws on stability " XV ECPD International Conference on Material Handling and Warehousing, Belgrade, December 9-10, 1998 8. PhD. B.Vulićević, graduated engineer .M.Buric - "The influence of constructive parameters of the gratings on the curling of its present rods", Publication "Construction mechanization in contemporary practice" - Nis, 1979 9. PhD Milorad Burić, graduated engineer Vasilije Drecun, Milan Martinović - "Designing the knots of the bridge crane in relation to the voltage state in their welded seams" - Publication of the Tenth Scientific-Expert Meeting on Transport Processes in Industry, Belgrade, 28th and 29th September 1988 10. PhD Milorad Burić, B.Sc. Ž. Đuranović - "Comparative analysis of the influence of the constructive parameters of two-sided rope grapples on the volume of the affected material." Publication of the Scientific-Expert Meeting

"Transport in Industry", Faculty of Mechanical Engineering, Institute of Mechanization Belgrade, 3rd – 4th December 1992

11. PhD Milorad Burić, BSc. Žuranović,graduated engineer D.Radonjić, Ž.Rašović - " Analysis of the voltage at the ends of the coupling rods " JUMI " for spatial aluminium arc structures "- Publication of the Eleventh Scientific-Professional Meeting" Transport in Industry ", Faculty of Mechanical Engineering, Institute for mechanization, Belgrade, 3rd – 4th December 1992
12. Prof PhD Milorad Burić, graduated engineer. - "Numerical analysis of the voltage in JUMI coupling elements for spatial rectilite structures of AL-alloy" IV Conference of aluminium industry of FR Yugoslavia, Vrnjačka Banja 25th -28th September 1996
13. Prof PhD Milorad Burić, graduated engineer Spiro Ivošević - " Stability Investigations of the 12 GRZ 2,4 Grab Bulk Solids Handling - The International Journal of Conservation, Handling and Transporting Bulk, September / October 2003, Clausthal-Zellerfeld, Germany
14. Prof PhD Milorad Burić, Assistant Professor Radoje Vujadinović, Igor Kresojević, Slaviša Đurišić graduated traffic engineer., Marko Lučić, graduated mecganical engineer "Numerical calculation of the bifurcation of the A6 pipeline C3 in HPP Perućica", International Scientific Conference IRMES 2017, Trebinje, Bosnia and Herzegovina, 7th -9th September 2017

List of projects and expert papers:

1. PhD B.Vulićević, Msc Zoran Ćulafić, Msc M.Burić - "Oscillations of corrugated bodies and lattice carriers" - Research topic at the Self-Governing interest community for Science, Serbia and Montenegro 1978-1981
2. PhD Milorad Burić – Chief of the research topic "Elastodynamics of spatial welded lattice structures" that was developed in the period 1983-1987 within the project "Methods of calculation and their application to structural elements of construction machines" at Self-Governing interest community for Science, Serbia and Montenegro
3. PhD Milorad Burić – researcher at the project "Research and development of methods of design, calculation and testing of hydraulic excavators with application on the development of a hydraulic excavator bucket volume of 2.5 m3.
4. PhD Milorad Burić - project leader "Designing, calculation, optimization and production of steel spatial lattice constructions" project designed for complex mixed company "Lovćeninvest" - Podgorica in 1991
5. PhD Milorad Burić, graduated engineer Žarko Đuranović, graduated engineer Milivoje Vujotić - "Design, construction and production of GRZ 2,4 GRP for the needs of the Port of Bar", Podgorica, 1993.
6. PhD B.Vulićević, graduated engineer Milorad Burić - "Reconstruction of the bridge crane EMD 25-8.5 in the hydroelectric power plant "Glava Zete" Titograd 1981
7. PhD B.Vulićević, graduated engineer Milorad Burić - "Reconstruction of the bridge crane in the Ivangrad Cellulose Fabric" Titograd 1982
8. PhD B.Vulićević, Dr M.Burić, graduated engineer B.Filipović, graduated engineer S.Savićević graduated engineer D.Radoman - "Tensometric tests of steel constructions of transshipment bridges with carrying capacity of 120 kN Ćereti-Tanfani in the Port of Bar", Titograd, 1987
9. Prof. A.Stojanović, prof. PhD B.Nikolic, PhD M.Buric, engineer T. Boskovic, engineer M.Cvetanovski - "Elaborate on the results of radiographic recording performed on the steel welded construction of the warehouse of semi-products and raw materials RO" Obod Cetinje ", Titograd, 1988
10. PhD M.Burić, Najkomski Simeun, graduated engineer - "Testing of welded joints at the Cetinje hot water installation", Titograd, Skopje, 1988.
11. PhD M.Burić, Najkomski Simeun, graduated engineer - " Testing of mechanical properties of reinforcing steel from building B1, tower M1 in block VI in Podgorica " for the needs of RO " Radnik ", Bijelo Polje, Podgorica, 1992

12.PhD M.Komnenić, PhD M.Burić - " Pipeline Rehabilitation Project for Aggregate No.3 Hydropower plant "PIVA" - Pluzine, Podgorica, 1993

13.Position of the rail and wheels of combined devices KU1 and KU2 with a proposal ftheir rehabilitation, Thermal Power Plant Pljevlja, 2000.god. Work team: prof. PhD Milorad Mišo Burić, Head of the working team, 2.MsC Radivoje Mrdak,. member of the working team 3. MsC Ranko Adžić, graduated engineer of metallurgy . - member of the working team , 4. Aleksandar Laković, graduated mechanical engineer

14. Replacement old and installation of new crane rails in halls A1, A2 and B1 and rehabilitation of crane rails in the hall B2 of KAP electrolysis, Combinat of aluminium Podgorica, 1999., Work team:1.Prof. PhD Milorad Mišo Burić, head of the working team, 2.Prof.PhD Vuk Ćulafić - member of the working team, 3.Prof. PhD Sreten Savićević - member of the working team 4.Vladimir Filipović, graduated mechanical engineer
15. Elaborate on the testing of the voltage state in characteristic sections of the C3 Hydropower plant Perućica, 2009, Work team: 1.Prof. PhD Milorad Mišo Burić, head of the working team 2.Prof.PhD Uroš Karadžić, member of the working team 3.Prof. PhD Darko Bajić, member of the working team 4.Docent PhD Radoje Vujadinović, member of the working team 5.Prof. PhD Miomir Jovanović, member of the working team 6.MsC Igor Kresojević, member of the working team 7.MsC Goran Petrović, member of the working team
16. Designing and production of a skipping device for the transport of marl in the surface mine Potrlica in the Coal Mine Pljevlja, 2000, Work team: 1.Prof. PhD Milorad Mišo Burić- Head of the working team 2.Prof.PhD Nikola Babin - member of the working team
17. Elaborate calculation of the voltage condition of the shaft generator A-2 HE Beer in the crack zone, Hydroelectric Power Plant Piva 2010, Work team:1.Prof. PhD Milorad Mišo Burić, Head of the working team, the main and responsible designer of the calculation of the voltage condition of the shaft of generator A-2 HPP Piva 2.Prof. PhD Uroš Karadžić, responsible designer of the axial load calculation that loads the shaft of generator A-2 HE Piva 3. graduated mechanical engineer Miroslav Čupić, associate in the project, 4.graduated mechanical engineer Davorin Radošević, project associate
18. Design, construction e and installation of a sloping elevator for ice-cream operation Q = 250 daN, lifting height H = 5.4m and lifting speed V = 0.5m / s, “Mljekara Podgorica”, 1996. Work team: 1.Prof. PhD Milorad Mišo Burić, Head of the Working Team, 2.Prof.Jovan Vladić, Member of the Working Team 3. Graduatd electrical engineer. Dragan Kečina - member of the working team
19. Discussion and evaluation of the condition of hydraulic lubrication systems FASSI F65.A24 Italy, FASSI F150.A25-Italy, KURELJA H12-Croatia and SKY HIGH-Belgium Utilities, Podgorica, 2015, Work team: 1.Prof. PhD Milorad Mišo Burić, Head of Working Team 2. Graduated mechanical engineer Miraš Đogović-member of the working team
20. Project for rehabilitation of dilution T8 on the C3 HE Perućica pipeline Hydropower plant Perućica, 2009, Work team:1.Prof. PhD Milorad Mišo BurićHead of the working team, 2.Prof.PhD Uroš Karadžić, member of the working team 3.Prof.PhD Darko Bajić, member of the working team 4.Docent PhD Radoje Vujadinović, member of the working team 5.Prof.PhD Miomir Jovanović, member of the working team 6.MsC Igor Kresojević, member of the working team 7.MsC Goran Petrović, member of the working team
21. Research of grid pillars from Al-alloys for electricity transmission,project of the Ministry of Science, Republic of Montenegro, Faculty of Civil Engineering, University of Montenegro , Podgorica, 2013-2016, Work team: 1. Prof. Duško Lučić, Ph.D., Faculty of Civil Engineering, University of Montenegro, Podgorica, Head of working team 2. Prof.. Milorad Burić, Faculty of Mechanical Engineering, University of Montenegro, Podgorica, member of the working body 3. Prof. Mitar Mišović, PhD, Faculty of Metallurgy and Technology, University of Montenegro, Podgorica, member of the working body 4. Prof. PhD Jadranka Radović, Faculty of Electrical Engineering, University of Montenegro, Podgorica, member of the working body 5. Docent

	PhD Milovan Radulović, Faculty of Electrical Engineering, University of Montenegro, Podgorica, member of the working body 6. Docent PhD Biljana Scepanovic, Faculty of Civil Engineering, University of Montenegro, Podgorica, member of the working body 7. Nebojsa Tadic, Ph.D., Faculty of Metallurgy and Technology, University of Montenegro, Podgorica, member of the working body.

THE APPROVED PATENT IN THE INTELLECTUAL PROPERTY OFFICE OF MONTENEGRO	1. P-186/09 2. P-2011/137 3. P-2011/138 4. P-2011/183 5. P-2012-14 6. P-2012-29 7. P-2012-79 8. P-2012-80 9. P-2012-81 10. P-2012-141 11. P-2012-142 12. P-2015-193 13. P-2015-194 14. P-2015-195.

PUBLICATIONS/TEXTBOOK	• "Reloading Equipment", University of Montenegro Faculty of Mechanical Engineering, Podgorica, 2009. • "Collection of solved tasks from transhipment mechanization", University of Montenegro Faculty of Mechanical Engineering Podgorica, 2010. • "Vertical Transport", University of Montenegro Faculty of Mechanical Engineering, Podgorica, 2013. • “Boat reloading means” University of Montenegro Faculty of Mechanical Engineering, Podgorica, 2015

PROJECTS AND PROFESSIONAL WORKS

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA
CETIM
CENTAR ZA TRANSPORTNE MAŠINE I METALNE KONSTRUKCIJE



Prof.dr Milorad Mišo Burić rukovodioc CETIM-a | Docent dr Radoje Vujadinović član CETIM-a | dr Sreten Simović član CETIM-a

ELABORAT O ISPITIVANJU NAPONSKOG STANJA U KARAKTERISTIČNIM PRESJECIMA CJEVOVODA C3 HE PERUĆICA

NARUČILAC
HE PERUĆICA, 2009 god.

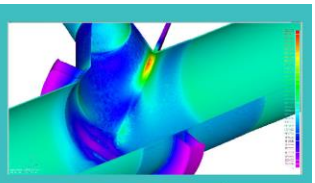
RADNI TIM:
1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. – rukovodilac radnog tima
2.Prof.dr Uroš Karadžić, član radnog tima
3.Prof.dr Darko Bajić, član radnog tima
4.Docent dr Radoje Vujadinović, član radnog tima
5.Prof.dr Miomir Jovanović, član radnog tima
6.Mr Igor Kresojević, član radnog tima
7.Mr Goran Petrović, član radnog tima

CILJEVI ELABORATA

1. ISPITIVANJE I ANALIZA DEFORMACIONO NAPONSKOG STANJA RAČVE A6 CJEVOVODA BR.3 U USLOVIMA USTALJENIH I NEUSTALJENIH REŽIMA RADA AGREGATA
2. PREDLOG DALJIH MJERA ZA PRAĆENJE I ODRŽAVANJE PREDMETNE OPREME

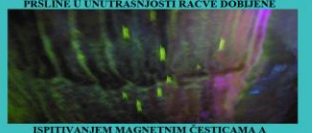
NEKI OD REZULTATA ELABORATA

1. NUMERIČKOM METODOM OTKRIVENE PRSKOTINE U CIJEVI KOJE SU I DOKAZANE VIZUELNIM PREGLEDOM
2. U RAČVI A6 SU DOBIJENI NAPONI EKSPERIMENTALNOM I NUMERIČKOM METODOM I PREDLOŽENA SANACIJA



VON-MISESOVI NAPONI U UNUTRAŠNJOSTI RAČVE A6

PRSLINE U UNUTRAŠNJOSTI RAČVE DOBIJENE



ISPITIVANJEM MAGNETNIM ČESTICAMA A OTKRIVENE NUMERIČKIM PRORAČUNOM

PROJEKAT
STANJE ŠINA I TOČKOVA KOMBINOVANIH UREĐAJA KU1 I KU2 SA PREDLOGOM ZA NJIHOVU SANACIJU

NARUČILAC
TERMOELEKTRANA PLJEVLJA, 2000. god.

RADNI TIM:
1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. -rukovodilac radnog tima
2.Mr Radivoje Mrdak,dipl.inž.građ. - član radnog tima
3.Mr Ranko Adžić,dipl.inž.met. - član radnog tima
4.Aleksandar Laković,dipl.maš.inž.

CILJEVI PROJEKTA

1.OTKRIVANJE UZROKA ČESTOG LOMA OSOVINE NA TRANSPORTNO-RADNOM UREĐAJU KU1
2. PREDLAGANJE MJERA ZA ELIMINISANJE UZROKA LOMA.

NAJVAŽNIJI REZULTATI PROJEKTA

1. DOKAZANO JE DA JE OSNOVNI UZROK ČESTOG LOMA OSOVINE NEKVALITETNO PROJEKTOVANA I IZRAĐENA PODLOGA SA ŠINAMA PO KOJIMA SE KREĆE TRANSPORTNO-RADNI UREĐAJ KU1.
2. PROJEKTOVANO JE NOVO REŠENJE KOJE ELIMINIŠE UZROK LOMA OSOVINE

PROJEKAT
ZAMJENE STARIH I POSTAVLJANJE NOVIH KRANSKIH ŠINA U HALAMA A1,A2 I B1 I SANACIJA KRANSKIH ŠINA U HALI B2 ELEKTROLIZE KAP-a

NARUČILAC
KOMBINAT ALUMINIJUMA PODGORICA,1999.god.

RADNI TIM:
1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. -rukovodilac radnog tima
2.Prof.dr Vuk Ćulafić - član radnog tima
3.Prof.dr sreten Savićević - član radnog tima
4.Vladimir Filipović,dipl.maš.inž.

CILJEVI PROJEKTA

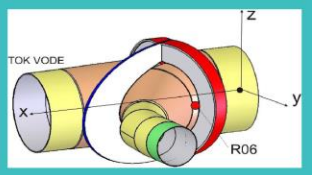
1.OTKRIVANJE UZROKA ČESTIH LOMOVA ŠINA U HALAMA ELEKTROLIZE KAP-a
2. IZRADA PROJEKTA NOVOG REŠENJA ŠINA I NJEGOVA REALIZCIJA

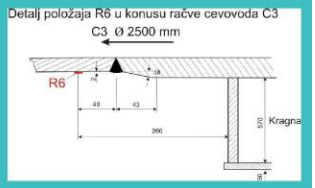
NAJVAŽNIJI REZULTATI PROJEKTA

1. OTKRIVEN JE UZROK ČESTIH LOMOVA ŠINA I PREDLOŽENE MJERE ZA NJEGOVO ELIMINISANJE
2. PROJEKTOVANO JE NOVO REŠENJE JAHAČA ŠINA
3. IZVRŠENA JE ZAMJENA ŠINA NA OSNOVU NOVOG REŠENJA

DIO RADNOG TIMA PORED RAČVE A6

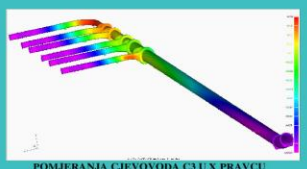
DIO RADNOG TIMA POREĐ MJERNE OPREME



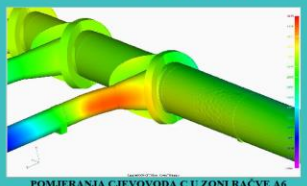


DIO RADNOG TIMA NA PROJEKTU

POGLED NA MOSTNU DIZALICU U KAP-u

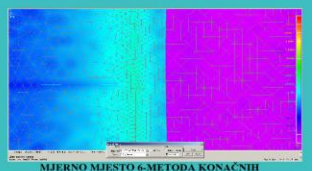


POMJERANJA CJEVOVODA C3 U X PRAVCU



POMJERANJA CJEVOVODA C U ZONI RAČVE A6

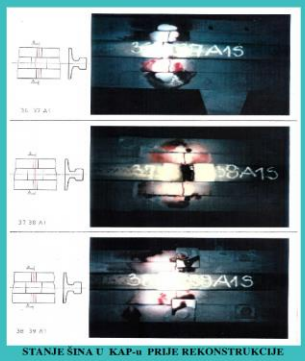
MJERNO MJESTO 6-METODA EKSTENZOMETRIJE



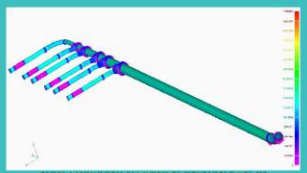
MJERNO MJESTO 6-METODA KONAČNIH ELEMENATA

POGLED NA TRANSPORTNO-RADNI UREĐAJ KU1 SA PREDNJE STRANE

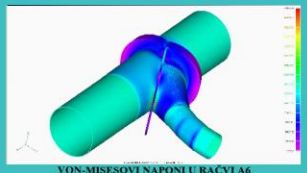
POGLED NA TRANSPORTNO-RADNI UREĐAJ KU1 SA ZADNJE STRANE



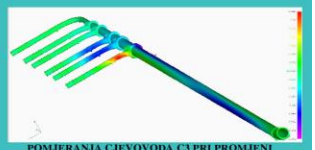
STANJE ŠINA U KAP-u PRIJE REKONSTRUKCIJE



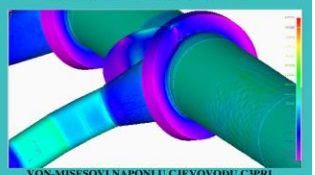
VON-MISESOVI NAPONI U CJEVOVODU C3



VON-MISESOVI NAPONI U RAČVI A6



POMJERANJA CJEVOVODA C3 PRI PROMJENI TEMPERATURE OD 10 DO 0 STEPENI



VON-MISESOVI NAPONI U CJEVOVODU C3PRI PROMJENI TEMPERATURE OD 10 DO 0 STEPENI

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA
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ELABORAT
PRORAČUNA NAPONSKOG STANJA VRATILA GENERATORA A-2 HE PIVA U ZONI POJAVE PRSLINA

NARUČILAC
HIDROELEKTRANA PIVA 2010. god.

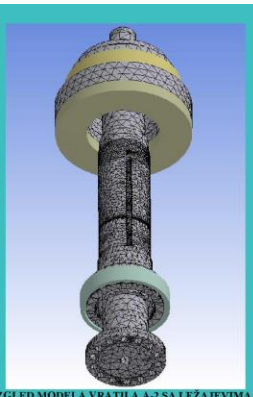
RADNI TIM:
1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. -rukovodilac radnog tima,glavni i odgovorni projektant proračuna naponskog stanja vratila generatora A-2 HE Piva
2.Prof.dr Uroš Karadžić,odgovorni projektant proračuna aksijalne sile koja opterećuje vratilo generatora A-2 HE Piva
3.Dipl.inž.maš. Miroslav Čupić,saradnik na projektu
4.Dipl.inž.maš.Davorin Radošević,saradnik na projektu

NAJVAŽNIJI CILJEVI ELABORATA

1.PRORAČUN ČVRSTOĆE VRATILA METODOM KONAČNIH ELEMENATA SA ANALIZOM DOBIJENOG NAPONSKOG STANJA I DEFORMACIJA VRATILA NA KRITIČNOM MJESTU OD STATIČKIH SILA U ZONI RADIJALNOG OTVORA ZA UVOD STRUJE U ROTOR. PRORAČUN TREBA DA UZME U OBZIR OBLIK I VELIČINE PRSLINA NASTALIH USLJED TERMIZKOG NAPREZANJA VRATILA ; KAO I DA DEFINIŠE OPTIMALNI OBLIK I VELIČINU UKLANJANJA PRSLINA I SLABOG MATERIJALA A DA SE NE UGROZI TEHNIČKA SIGURNOST VRATILA.
2.PRORAČUN ČVRSTOĆE VRATILA KAO POD TAČKOM 1. UZ UKLJUČIVANJE STATIČKOG OPTEREĆENJA NASTALOG USLJED POTPUNOG ZARIBAVANJA KOMBINOVANOG VRATILA.

NAJVAŽNIJI REZULTATI ELABORATA

U POTPUNOSTI SU ISPUNJENA DVA NAVEDENA CILJA ELABORATA


IZGLED MODELA VRATILA A-2 SA LEŽAJEVIMA I MREŽOM KONAČNIH ELEMENATA

PROJEKTOVANJE I IZRADA SKIP UREĐAJA ZA TRANSPORTOVANJE LAPORCA NA POVRŠINSKOM KOPU POTRLICA U RUDNIKU UGLJA U PLJEVLJIMA

NARUČILAC

RUDNIK UGLJA PLJEVLJA, 2000. god.

RADNI TIM:

1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. -rukovodilac radnog tima
2.Prof.dr Nikola Babin- član radnog tima

CILJEVI PROJEKTA

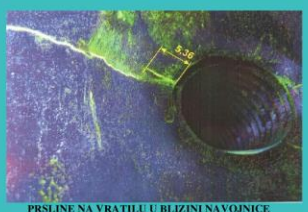
1.PROJEKTOVANJE SKIP UREĐAJA ZA RADNU VISINU H=11m
2. IZRADA I MONTAŽA SKIP UREĐAJA ZA RADNU VISINU H=11m

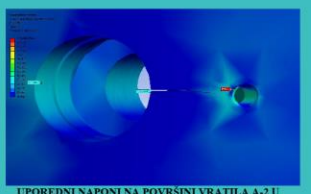
NAJVAŽNIJI REZULTATI PROJEKTA

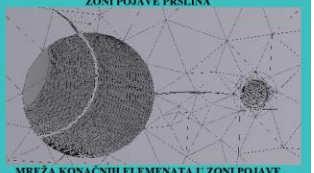
1. SKIP UREĐAJ JE USPJEŠNO PROJEKTOVAN
2. SKI P UREĐAJ JE IZRAĐEN,MONTIRAN I USPJEŠNO PUŠTEN U RAD SKIP UREĐAJA ZA RADNU VISINU H=11m


DONJI DIO SKIP UREĐAJA


IZGLED MODELA VRATILA A-2 BEZ LEŽAJEVA

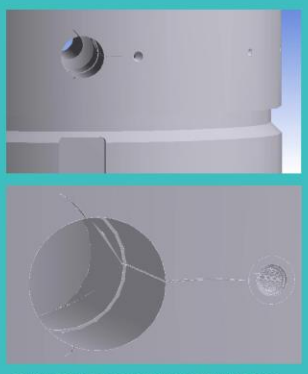

PRSLINE NA VRATILU U BLIZINI NAVOJNICE

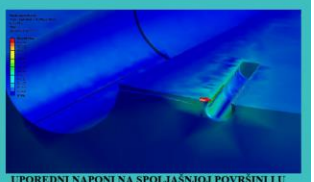

UPOREDNI NAPONI NA POVRŠINI VRATILA A-2 U ZONI POJAVE PRSLINA


MREŽA KONAČNIH ELEMENATA U ZONI POJAVE PRSLINA


SKIP UREĐAJ U RUDNIKU UGLJA U PLJEVLJIMA


GORNJI DIO SKIP UREĐAJA

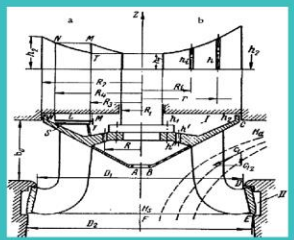

MJESTO UVODA POBUDNE STRUJE U GENERATOR - ZONA POJAVE PRSLINA


UPOREDNI NAPONI NA SPOLJAŠNJOJ POVRŠINI I U PRESJECIMA A-2 PRILIKOM ZARIBAVANJA VRATILA


UPOREDNI NAPONI U VRATILU A-2 U ZONI UVODA STRUJE SA OČIŠĆENIM PRSLINAMA PRI ZARIBAVANJU KOMBINOVANOG LEŽAJA


MODEL SKIP UREĐAJA


POGLED SPOLJA NA GORNJI DIO SKIP UREĐAJA

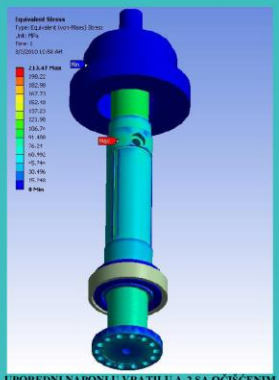

TIPIČAN POPREČNI PRESJEK RADNOG KOLA FRANCISOVE TURBINE

$$\overrightarrow{F_{kF}} = -\overrightarrow{F_{Fk}}$$

$$\overrightarrow{F_1} = \overrightarrow{F_{Fk}} + \overrightarrow{P_b} = \rho\overrightarrow{c_1}Q - \rho\overrightarrow{c_2}Q + \overrightarrow{P_d} + \overrightarrow{P_s} + \overrightarrow{P_b}$$

$$F_{1z} = -\rho c_{1z}Q + \rho c_{2z}Q - \rho g H_d A_d + \rho g H_s A_s$$

$$F_h = 352.000 \text{ daN}$$


UPOREDNI NAPONI U VRATILU A-2 SA OČIŠĆENIM PRSLINAMA PRI ZARIBAVANJU LEŽAJA

UNIVERZITET CRNE GORE
MAŠINSKI FAKULTET PODGORICA
CETIM
CENTAR ZA TRANSPORTNE MAŠINE I METALNE KONSTRUKCIJE



Prof.dr Milorad Mišo Burić
rukovodioc CETIM-a

Docent dr Radoje Vujadinović
član CETIM-a

dr Sreten Simović
član CETIM-a

PROJEKAT SANACIJE DILATACIJE T8 NA CJEVOVODU C3 HE PERUĆICA

NARUČILAC
HE PERUĆICA, 2009 god.

RADNI TIM:
1.Prof.dr Milorad Mišo Burić,dipl.inž.maš. – rukovodilac radnog tima
2.Prof.dr Uroš Karadžić, član radnog tima
3.Prof.dr Darko Bajić, član radnog tima
4.Docent dr Radoje Vujadinović, član radnog tima
5.Prof.dr Miomir Jovanović, član radnog tima
6.Mr Igor Kresojević, član radnog tima
7.Mr Goran Petrović, član radnog tima

NEKI OD CILJEVA PROJEKTA

1. UTVRDITI ODSTUPANJA U ODNOSU NA PROJEKTOVANO RJEŠENJE
2. NUMERIČKOM I EKSPERIMENTALNOM METODOM ODREDITI NAPONSKA STANJA U ZONI PRSTENA KOD KRITIČNIH SLUČAJEVA OPTREĆENJA
3. DEFINISATI NAČIN SANACIJE SA TEHNIČKIM OPISOM I TEHNOLOŠKIM POSTUPKOM IZVOĐENJA RADOVA

NEKI OD REZULTATA PROJEKTA

1. SVI NAVEDENI CILJEVI PROJEKTA SU OSTVARENI

SPISAK NEKIH OD PRIZNATIH

PATENATA

U ZAVODU ZA INTELEKTUALNU SVOJINU CRNE GORE

1.P-186/09
2.P-2011/137
3.P-2011/138
4.P-2011/183
5.P-2012-14
6.P-2012-29
7.P-2012-79
8.P-2012-80
9.P-2012-81
10.P-2012-141
11.P-2012-142

PROJEKTOVANJE, IZRADA I MONTAŽA KOSOG LIFTA ZA POGON SLADOLEDA NOSIVOSTI Q=250daN,VISINE DIZANJA H=5,4m i BRZINE DIZANJA V=0,5m/s

NARUČILAC

MLJEKARA,PODGORICA,1996. god.

RADNI TIM:

1.Prof.dr Milorad Mišo Burić,dipl.inž.maš.-rukovodilac radnog tima
2.Prof.dr.Jovan Vladić, dipl.inž.maš.-član radnog tima
3.dipl.inž.el. Dragan Kečina-član radnog tima

CILJEVI PROJEKTA

1.PROJEKTOVANJE, IZRADA I MONTAŽA KOSOG LIFTA NOSIVOSTI Q=250daN,VISINE DIZANJA H=5,4m i BRZINE DIZANJA V=0,5m/s

NAJVAŽNIJI REZULTATI PROJEKTA

1. KOSI LIFT JE USPJEŠNO PROJEKTOVAN, IZRAĐEN I MONTIRAN

ISPITIVANJE I PROCJENA STANJA HIDRAULIČNIH POLUŽNIH DIZALICA

FASSI F65.A24-ITALIJA
FASSI F150.A25-ITALIJA
KURELJA H12-HRVATSKA
SKY HIGH-BELGIJA

NARUČILAC

KOMUNALNE USLUGE, PODGORICA, 2015. god.

RADNI TIM:

1.Prof.dr Milorad Mišo Burić, dipl.inž.maš.-rukovodilac radnog tima
2.Dipl.inž.maš.Miraš Đogović-član radnog tima

CILJEVI PROJEKTA

1. ISPITIVANJE I PROCJENA STANJA HIDRAULIČNIH POLUŽNIH DIZALICA

NAJVAŽNIJI REZULTATI PROJEKTA

1.USPJEŠNO JE IZVRŠENO ISPITIVANJE I PROCJENA STANJA HIDRAULIČNIH POLUŽNIH DIZALICA


DILATACIJA T8 NA CJEVOVODU C3 HE PERUĆICA

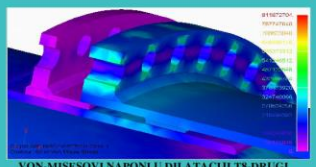

PROBLEMATIČNA DEMONTAŽA ZBOG LOŠE PROJEKTOVANOG RJEŠENJA DILATACIJE T8

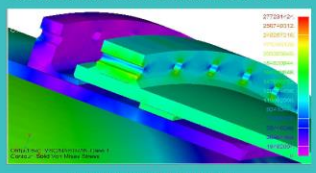

STUBOVI OD AL-LEGURE ZA PRENOS ELEKTRIČNE ENERGIJE


POGLED NA KOSI LIFT SA BOČNE STRANE

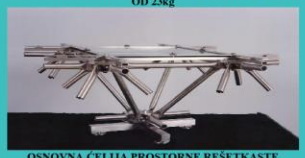

ISPITIVANJE DIZALICE KURELJA H 12


ISPITIVANJE DIZALICE FASSI F65.A24


VON-MISESOVI NAPONI U DILATACIJI T8-DRUGI SLUČAJ PRITEZANJA UZ PRITISAK VODE U CIJEVI


VON-MISESOVI NAPONI KOD NOVOPROJEKTOVANOG RJEŠENJA DILATACIJE T8 UZ PRITISAK VODE U CIJEVI

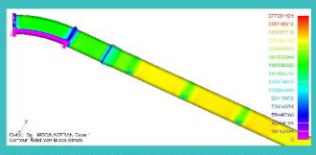

STUB OD AL-LEGURE DUŽINE 8,4m I TEŽINE MANJE OD 23kg

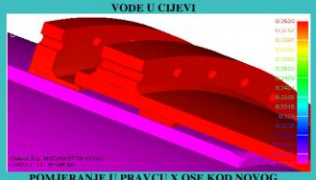

OSNOVNA ĆELIJA PROSTORNE REŠETKASTE KONSTRUKCIJE OD AL-LEGURE

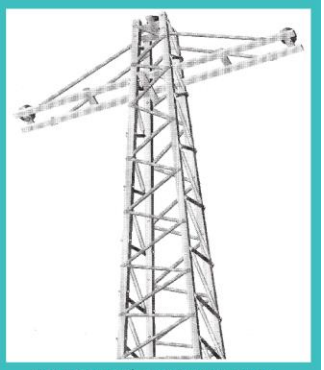

POGLED NA KOSI LIFT SA PREDNJE STRANE


ISPITIVANJE DIZALICE FASSI F65.A24 SA DEFORMISANOM KORPOM


DAVAČ PRITISKA NA CILINDRU GREDA-POLUGA DIZALICE FASSI F65.A24


VON-MISESOVI NAPONI NA GORNJEM KRAJU CIJEVI C3 OD T8 do T9 KOD NOVOPROJEKTOVANOG RJEŠENJA DILATACIJE T8 UZ PRITISAK VODE U CIJEVI


POMJERANJE U PRAVCU X OSE KOD NOVOG RJEŠENJA DILATACIJE T8 UZ PRITISAK VODE U CIJEVI


JEDNA OD MOGUĆIH VARIJANTI STUBA OD AL-LEGURE