



ExMC/1301/DV
October 2017

**INTERNATIONAL ELECTROTECHNICAL COMMISSION SYSTEM FOR
CERTIFICATION TO STANDARDS RELATING TO EQUIPMENT FOR USE IN
EXPLOSIVE ATMOSPHERES (IECEX SYSTEM)**

Title: Application received from the HR IECEx Member Body for Mr. Marino Kelava to become an IECEx Approved Assessor

Circulated to: IECEx Management Committee, ExMC

INTRODUCTION

The ExMC WG4 *Technical Reference Group for Assessment of ExCBs and ExTLs* has considered the attached application received from the HR IECEx Member Body and recommend the acceptance of Mr. Marino Kelava to become an IECEx Approved Assessor.

In light of Mr. Kelava's experience and CV, details attached, which indicate his experience in Hazardous Areas, WG4 supports his application to become an IECEx Approved Assessor.

Therefore please consider the application and return the completed voting form to the

[IECEX Secretariat](#) by

2017 11 22

Kind regards

**Chris Agius
IECEX Secretariat**

<p>Address: Level 33, Australia Square 264 George Street Sydney NSW 2000 Australia</p>	<p>Contact Details: Tel: +61 2 4628 4690 Fax: +61 2 4627 5285 e-mail: chris.agius@iecex.com http://www.iecex.com</p>
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IECEx Assessor Application/Reconfirmation or Additional Details Questionnaire ExMC/1301/DV

PERSONAL DETAILS

Name	Marino Kelava	Title (Mr, Ms, Dr etc)	Mr
Full address (including telephone and email)	Palinove ka 19L, 10000 Zagreb, Croatia +385 98 340 148 marino.kelava@fiditas.com		
Please indicate all ExCB(s) or ExTL(s) with which you are an employee or contract employee (ie peer assessor)	DNV GL Nemko Presafe AS, Veritasveien 3, N-1363 Høvik Postbox 116, N-1300 Sandvika		

Availability The availability of assessors is critical to the bodies being assessed and to the credibility of the Scheme. Your work circumstances, personal circumstances, or health issues that could affect travelling may influence this or your ability to conduct a demanding audit. Please make a realistic assessment of your situation as follows:	
Are you available to attend assessments anywhere in the world?	Yes
Prior to and after assessments will you have sufficient time to respond to issues related to assessments so they can be carried out and concluded in a timely manner?	Yes

Language The prime language of assessments is English. Hence good English skills, both written and verbal, are essential. Other languages may occasionally be used in addition. Please advise of your skills as follows:							
How would you rate your English?	Everyday language		Good	Yes	Fair		Poor
What other languages can you speak well?	Croatian						

TRAINING AND EXPERIENCE

Auditor training on ISO/IEC 17065, ISO/IEC 17025 or ISO 9001				
Clearly identify any lead assessor training				
Date		Training Provider	Course Title	Duration
2002.		University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering	Ex Seminar (includes lectures on conformity assessment systems and application of ISO/IEC 17025 to Ex testing laboratories' management system)	5 days
2005.		International Ex Conference in Dubrovnik hosted by Ex-Agencija	Different themes related to Ex, including application of ISO/IEC 17065, ISO/IEC 17025, ISO 9001 and exchange of experiences with accreditation bodies	3 days
2006.		IEC Central Office Geneva	Training course for IEC TC/SC Secretaries including topics related to operation of IEC CAB and Conformity Assessment Schemes	3 days
2007.		PCIC Europe Conference in Paris	Different themes related to Ex, including application of ISO/IEC 17065, ISO/IEC 17025, ISO 9001 PA-03: Measurement system management	2 days
2008.		PCIC Europe Conference in Weimar	Different themes related to Ex, including application of ISO/IEC 17065, ISO/IEC 17025, ISO 9001 Tutorial 2: Global certification WE-10: Measurement Uncertainty	2 days
2010.		SGS	ISO 9001 Internal Assessors Training Course	3 days
2012.		DNV	ISO 9001 Lead Assessors Training Course	5 days

Employment or other experience for past 10 years relevant to Ex				
Dates (from/to)		Employer	Type of Business	Duties
from 2002 to 2017		Ex-Agencija	Ex equipment testing and certification, training of personnel (manufacturers, installers, maintenance and repair operators, end users), certification of organizations providing Ex installations design, erection, maintenance of Ex equipment and installations and repair workshops	<ul style="list-style-type: none"> - Certification senior expert, - Head of Department for Training and International Standardization, - Secretary IEC TC31/SC31J, - IECEx ExTAG, ExMC, ExSFC Member, - IEC TC31 AG 36, WG 22, MT60079-31, PT60079-46 member - Croatian NC Cenelec Official: TC 31, TC 31/SC 31-8, TC 31/SC 31-9, TC 64
2017 to today		DNV GL Nemko Presafe AS (Contracted Assessor)	Ex equipment testing and certification, training of personnel (manufacturers, installers, maintenance and repair operators, end users)	<ul style="list-style-type: none"> - Senior Certification Expert, - Secretary IEC SC31J
2017 to today		Fiditas - Explosion Safety Solutions Ltd.	Ex equipment testing and certification, testing of properties of flammable gases, vapours and dusts, training of personnel for specific skills related to work in areas at risk of explosive atmospheres (end users, manufacturers, installers, maintenance and repair operators), business development	<ul style="list-style-type: none"> - ATEX and IECEx Senior Expert - Secretary IEC SC31J - IECEx ExTAG, ExMC, ExSFC Member, - IEC TC31 AG 36, WG 22, MT60079-31, PT60079-46 member - Croatian NC Cenelec Official: TC 31, TC 31/SC 31-8, TC 31/SC 31-9, TC 64

IECEX experience for past 5 years	
IECEX meetings attended	<ul style="list-style-type: none"> - 2017: IECEX annual meetings in Washington, US - 2016: IECEX annual meetings in Umhlanga, ZA - 2011: IECEX and UNECE WP.6 annual meetings in Split, HR - 2009: IECEX annual meetings in Melbourne, AU - 2008: IECEX and UNECE WP.6 annual meetings in Paris, FR
Roles held in IECEX System/ Scheme	Ex TAG Member, Ex MC Member, Ex SFC Member
Experience with Systems / Schemes in own country	<p>IECEX ExCB and ExTL professional since 2002.</p> <p>Extensive operational experience in explosion risk assessment in different industrial facilities including audits of installations of EPL Ga, Gb, Gc and Da, Db, Dc equipment against IEC 60079-14, and maintenance procedures against IEC 60079-17.</p> <p>Conducted more than 50 assessments of organizations providing design, selection and erection of Ex electrical installations against requirements of IEC 60079-14, inspection and maintenance against requirements of IEC 60079-17 and repair workshops against IEC 60079-19 for National Certification Scheme</p> <p>Vice Chairman of National TC31/SC31J mirror committee at Croatian Standards Institute</p> <p>Author of official translations of IEC 60079 and ISO/IEC 80079 series of standards to Croatian</p> <p>Main promotor of IECEX System on Croatian national level</p>
Other	<p>IEC SC31J Secretary since 2005</p> <p>Participated at several seminars and meetings of international Ex expert's groups including:</p> <ul style="list-style-type: none"> - 2017: IECEX annual meetings in Washington, US : International Ex Conference in Fruška Gora, RS - 2016: IEC TC 31 with SCs and WG/MTs annual meetings in Frankfurt, DE : IECEX and UNECE WP.6 annual meetings in Umhlanga, ZA : IEC TC31 CAG and WG/MTs meetings at BSI in London and FM in Windsor, GB - 2015: IEC TC 31 with SCs and WG/MTs annual meetings in Minsk, BY : IEC TC31 CAG and WG/MTs meetings at CSA in Mississauga, CA : Business visit and experience sharing at DEKRA EXAM in Bochum, DE - 2014: IEC TC 31 with SCs and WG/MTs annual meetings at UL in Northbrook, US : IEC TC31 CAG and WG/MTs meetings at PTB in Braunschweig, DE : IEC Round Table on the development of IEC publications, Geneva, CH - 2013: IEC TC 31 with SCs and WG/MTs annual meetings in New Delhi, IN : IEC TC31 CAG and WG/MTs meetings at FM in Windsor, GB : Business visit and experience sharing at INERIS in France - 2012: IEC TC 31 with SCs and WG/MTs annual meetings at UL in Northbrook, US : IEC TC31 CAG and WG/MTs meetings at NEK in Oslo, NO

- **2011:** IEC TC 31 with SCs and WG/MTs annual meetings in Melbourne, AU
 - : IEC TC31 CAG and WG/MTs meetings in Stockholm, SE
 - : IECEx and UNECE WP.6 annual meetings in Split, HR
- **2010:** IEC TC 31 with SCs and WG/MTs annual meetings in Seattle, US
 - : IEC TC31 CAG and WG/MTs meetings in Split, HR
 - : Article from Ex-Agency at the PCIC Europe Conference in Oslo, NO
- **2009:** Business visit and experience sharing at FTZU in Ostrava, CZ
 - : IEC TC31 CAG and WG/MTs meetings at FM in Windsor, GB
 - : Business visit and experience sharing at BASEEFA in Buxton, GB
 - : IEC SC 31J MT60079-14 and -17meetings in Singapore
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Tel Aviv, IZ
 - : IECEx and UNECE WP.6 annual meetings in Melbourne, AU
- **2008:** IEC TC31 CAG and WG/MTs meetings in Prague, CZ
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Sao Paulo, BR
 - : Lecturer at the PCIC Europe Conference in Weimar, DE
 - : IECEx and UNECE WP.6 annual meetings in Paris, FR
 - : Lecturer at the CIAEx International Conference in Sao Paulo, BR
 - : Business visit and experience sharing at PTB in Braunschweig, DE
- **2007:** IEC TC31 CAG and WG/MTs meetings in Sydney and Adelaide, AU
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Kuala Lumpur, MY
 - : Lecturer at the thuba 75 event in Basel, CH
 - : Networking at the PCIC Europe Conference in Paris, FR
- **2006:** CENELEC TC31 meetings at Ex-Agency in Zagreb, HR
 - : IEC TC31 CAG and WG/MTs meetings at UL in Northbrook, US
 - : Business visit and experience sharing at UL in Northbrook, US
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Rio de Janeiro, BR
 - : Networking at the PCIC Europe Conference in Amsterdam, NL
 - : Lecturer at the EPIAEx International Conference in Rio de Janeiro, BR
- **2005:** IEC TC31 CAG and WG/MTs meetings at UL in Northbrook, US
 - : Business visit and experience sharing at UL in Northbrook, US
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Zagreb, HR
 - : Lecturer at the International Ex Conference in Dubrovnik, HR
- **2004:** IEC TC31 CAG and WG/MTs meetings at PTB in Braunschweig, DE
 - : Business visit and experience sharing at PTB in Braunschweig, DE
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Sydney, AU
- **2003:** IEC TC 31 with SCs and WG/MTs annual meetings in Dubrovnik, HR
- **2002:** Attended 7 days Ex training at the University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering

Assessment/audit experience	Lead Auditor	Auditor	Expert
Number of external assessments/audits carried out in past 5 years	>30 including Ex equipment manufacturers, Ex installations, assemblies and service facilities for installation, maintenance and repair	2	0
Number of assessments carried out for the IECEx System / Scheme as ExCB auditor for past 5 years	2	2	0
Number of assessments carried out for the IECEx System / Scheme as IECEx Assessor for past 5 years (for existing assessors only)			
Number of other external assessments/audits in past 5 years relevant to assessment of Ex certification bodies, Ex testing laboratories or Ex repair facilities	0	0	0

Referees/references who may be contacted to ascertain personal attributes and management capabilities relevant to assessment of IECEx Certification Bodies (ExCBs) and Testing Laboratories (ExTLs) - (ISO 19011: 2011 Guidelines for auditing management systems - Clause 7)

Name	Stipo Đerek	Title (Mr, Ms, Dr etc)	Mr
Address (including telephone and email)	Industrijska 25, 10431 Sveta Nedelja, Croatia +385 98 367 193 S.Derek@ex-agencija.hr		

Name	Bjørn Richard Spongsveen	Title (Mr, Ms, Dr etc)	Mr
Address (including telephone and email)	Veritasveien 3, N-1363 Høvik Postbox 116, N-1300 Sandvika +47 93 03 07 11 Bjorn.Richard.Spongsveen@presafe.com		

If appointed or re-appointed as an IECEx assessor I will conduct my work to the requisite standard of integrity, competence, impartiality and confidentiality. I certify that the information given in this questionnaire is true and correct.

Signed:



Date: 20/10/2017

Endorsed by IECEx Member Body

On behalf of the Croatian member Body of the IECEx, I confirm that the details given in this questionnaire have been checked and found to be correct and has our support. This includes a check of the Assessor Competency Table and claimed experience/competency.

Signed:

Name: Stipo Đerek
Organisation: Ex-Agencija



Date: 20/10/2017

Assessor Competency Table

Scheme/ body	Competency area	Self-assessed experience/competency level (see below for number)	Evidence, eg work experience; membership of relevant committees or working groups; or research
IECEX Certified Equipment Scheme – IECEX 02			
Ex CB	Quality systems	3	<ul style="list-style-type: none"> - Since 2002 involved in Ex as testing/certification expert, - Responsible for the development and maintenance of QMS for ATEX and IECEX ExCB and ExTL, - Since 2005 IEC SC31J Secretary - Head of Department for Training and International Standardization in Ex-Agencija till 2017, - Since 2017 responsible for Ex training in (Fiditas Ltd.) - Nominated person responsible to conduct Croatian national strategic plan for training of persons relating to explosive atmospheres, by the Croatian Ministry of Interior for the period of 2016 to 2018 - IEC TC31 AG 36, WG 22, MT60079-31, PT60079-46 member, Croatian NC Cenelec Official: TC 31, TC 31/SC 31-8, TC 31/SC 31-9, TC 64, - Author of official translations of IEC 60079 and ISO/IEC 80079 series of standards to Croatian
	IECEX QAR	3	Conducted assessments for QAN/QAR at manufacturing sites in EU
ExCB/ ExTL	Ex d	3	Ex d certification and testing was and is in my usual working schedule

	Ex i		2	Conducted 2 audits relating to QAN/QAR for manufacturers of Ex i equipment. Understand the type of protection and perform trainings for installers and circuit designers.
	Ex p		3	Ex p certification and testing was and is in my usual working schedule
	Ex e	Motors	3	Ex e certification and testing of motors was and is in my usual working schedule
		Luminaires	3	Ex e certification and testing of luminaires was and is in my usual working schedule
		Rest of equipment covered by standard	3	Ex e certification and testing of different types of equipment was and is in my usual working schedule
	Ex t		3	Ex t certification and testing of different types of equipment was and is in my usual working schedule. Was member of IEC SC31H and MTs for 61241 series, and after it was disbanded, of IEC TC31 MT60079-31 (still today).
	Optical radiation		3	Certification and testing of equipment radiating in optical spectrum range is in my usual working schedule since included in TC31 work.
	Gas detectors		3	Certification and testing of gas detectors is in my usual working schedule.
	Non-electrical		3	Certification and testing of non-electrical equipment was and is in my usual working schedule since 2002 (ATEX) and since included in IEC TC31 and IECEX, also under IECEX.
	Are you on ExMC WG15?	Y/N	Y	As SC31J Secretary I am actively involved as Ex Officio member in the overall work and development of IECEX.
IECEX Certified Service Facilities Scheme– IECEX 03				
ExCB	Ex Equipment Services		3	Conducted certification audits for Ex service providers in Croatia in compliance with national certification scheme (installers, maintenance and repair service providers -

			audit according to IEC 60079-14, IEC 60079-17 and IEC 60079-19).
	Are you on IECEx ExSFC?	Y/N	Y As SC31J Secretary I am actively involved as Ex Officio member in the overall work and development of IECEx.
IECEx Certified Persons Scheme – IECEx 05			
ExCB	Ex Personnel Competence		3 Actively involved in training of personnel and examination at Croatian national level (assessment against IEC 60079 and ISO 80079 series). Working on promotion of IECEx CoPC at national and international level through conferences, articles and speeches.
	Are you on IECEx ExPCC?	Y/N	Y As SC31J Secretary I am actively involved as Ex Officio member in the overall work and development of IECEx.
<i>RATING SCALE: 0 = little or none: 1 = some: 2 = moderate: 3 = high</i>			

PERSONAL INFORMATION



Name KELAVA, MARINO
Address **Palinove ka 19L,
10000 Zagreb, CROATIA, EU**
Telephone +385 98 34 01 48
Fax -
E-mail marino.kelava@fiditas.com
Nationality Croatian
Date of birth 27TH OF AUGUST 1977

WORK EXPERIENCE

- Dates (from – to) January 2017 - current
- Name and address of employer Fiditas - Explosion Safety Solutions Ltd., Karlova ka cesta 197, 10000 Zagreb, Croatia

Contracted Assessor for DNV GL Nemko Presafe AS, Veritasveien 3, N-1363 Høvik, Postbox 116, N-1300 Sandvika
- Type of business or sector Testing and certification of equipment for use in explosive atmospheres (Ex equipment, electrical and non-electrical), worldwide on-site manufacturer's audits and preparation of Quality Assessment Reports under the IECEx (QAR) and ATEX (QAN), assessment and certification of organizations providing Ex related Design, Selection and Installation, Maintenance and Repair services (responsible for the maintenance of national Service Facilities Certification Scheme), active participation in International Standardization (IEC TC31/SC31 Secretary, member of the IECEx Management Committee, ExTAG and ExSFC, member of several IEC TC 31 WGs and MTs), Inspection of Ex electrical installations in industry, Risk Assessment and preparation of Explosion Protection Documents (EPDs) in compliance with EU Directive 1999/92/EC, training of personnel involved in design, selection, installation, assembly, inspection, maintenance, repair and manufacture of Ex equipment (endorsed by the Croatian Government for the maintenance of national Scheme for Certification of Personnel Competence)
- Occupation or position held Partner in Fiditas Ltd. Responsible for Business Development

• Main activities and responsibilities

Preparation and delivery of trainings for different profiles of costumers interested in the Ex field (manufacturers, end users, regulators, operators involved in installation, maintenance and repair work...). Performing assessments of manufacturers of Ex equipment in the role of a Lead Assessor or a Technical Assessor. Responsible for the development and maintenance of QMS in Fiditas Ltd.

Risk assessment related to electrical and non-electrical equipment and installations in areas at risk of explosive atmospheres in huge spectrum of industrial facilities (production, transport and storage of oil and gas, petroleum refining, petrochemical industry, production and storage of explosives, defense, wastewater treatment, fossil fuelled, biogas and biomass fuelled power plants, pharmaceutical, mining, food production, grain, printing, research and test facilities, cement production, off shore production and drilling rigs, petrol filling stations and liquid fuels storage farms, chemical industry, shipyards, wood industry, ironwork, paint shops as well as a variety of specialist manufacturing and processing plants).

Official lecturer at Explosion Safety seminars organized by the Zagreb University, Faculty of Mining, Geology and Petroleum Engineering and Ex-Agency.

Lecturer at local and international seminars.

Maintenance of network and partnership relations with different Certification bodies and Test laboratories under the ATEX and IECEx worldwide. Regular visits to CB's and TL's and IEC TC31 and IECEx meetings worldwide. IEC TC31/SC31J Secretary since 2005. Member of many IEC TC31 WG's and MT's. Editor in the Ex-Bulletin (specialized Ex magazine) published regularly by Ex-Agency. Author of official translations to Croatian of IEC 60079 and IEC/ISO 80079 series of standards.

• Dates (from – to)

January 2011 - current

• Name and address of employer

Ex-Agency, Industrijska 25, 10431 Sveta Nedelja, Croatia

• Type of business or sector

Testing and certification of equipment for use in explosive atmospheres (Ex equipment, electrical and non-electrical), worldwide on-site manufacturer's audits and preparation of Quality Assessment Reports under the IECEx (QAR) and ATEX (QAN), assessment and certification of organizations providing Ex related Design, Selection and Installation, Maintenance and Repair services (responsible for the maintenance of national Service Facilities Certification Scheme), active participation in International Standardization (IEC TC31/SC31 Secretary, member of the IECEx Management Committee, ExTAG and ExSFC, member of several IEC TC 31 WGs and MTs), Inspection of Ex electrical installations in industry, Risk Assessment and preparation of Explosion Protection Documents (EPDs) in compliance with EU Directive 1999/92/EC, training of personnel involved in design, selection, installation, assembly, inspection, maintenance, repair and manufacture of Ex equipment (endorsed by the Croatian Government for the maintenance of national Scheme for Certification of Personnel Competence)

• Occupation or position held

Head of Department of training and international standardization, Senior Service Facility Certification Expert (National Scheme), Senior IECEx and ATEX Certification Expert, QAR/QAN Lead Assessor/Technical Assessor

• Main activities and responsibilities

Overall coordination of assessments at organizations performing installation, maintenance and/or repair services. Preparation and delivery of trainings for different profiles of costumers interested in the Ex field (manufacturers, end users, regulators, operators involved in installation, maintenance and repair work...). Performing assessments of manufacturers of Ex equipment in the role of a Lead Assessor or a Technical Assessor. Responsible for the maintenance of Quality System of the Department of Training and International Standardization and Croatian National Service Facilities Certification Scheme.

Risk assessment related to electrical and non-electrical equipment and installations in areas at risk of explosive atmospheres in huge spectrum of industrial facilities (production, transport and storage of oil and gas, petroleum refining, petrochemical industry, production and storage of explosives, defense, wastewater treatment, fossil fuelled, biogas and biomass fuelled power plants, pharmaceutical, mining, food production, grain, printing, research and test facilities, cement production, off shore production and drilling rigs, petrol filling stations and liquid fuels storage farms, chemical industry, shipyards, wood industry, ironwork, paint shops as well as a variety of specialist manufacturing and processing plants).

Official lecturer at Explosion Safety seminars organized by the Zagreb University, Faculty of Mining, Geology and Petroleum Engineering.

Lecturer at seminars organized by the Ex-Agency.

Maintenance of network and partnership relations with different Certification bodies and Test laboratories under the ATEX and IECEx worldwide. Regular visits to CB's and TL's and IEC TC31 and IECEx meetings worldwide. IEC TC31/SC31J Secretary since 2005. Member of many IEC TC31 WG's and MT's. Editor in the Ex-Bulletin (specialized Ex magazine) published regularly by Ex-Agency. Author of official translations to Croatian of IEC 60079 and IEC/ISO 80079 series of standards.

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

• Main activities and responsibilities

January 2005 – January 2011

Ex-Agency, Baštijanova bb, 10000 Zagreb, Croatia

Testing and certification in the Ex field, International Standardization, Inspection, Risk Assessment

Technical Sector, Senior Expert for Electrical Equipment and Installations Inspection and Risk Assessment

As a Senior Expert and Team Leader for hazardous areas within Ex-Agency supervises a team of experts responsible for the overall explosion risk assessment of offshore gas production platforms in Adriatic including the application of international and EU rules (ABS, DNV, ATEX, IECEx, IEC 60079...) and preparation of Explosion Protection Document as required by the EU Directive 1999/92/EC. Also, performing explosion risk assessments in a huge spectrum of industries. Responsible for the development of new National Service Facilities Certification Scheme.

Official lecturer at seminars organized by the Zagreb University, Faculty of Mining, Geology and Petroleum Engineering.

Lecturer at seminars organized by the Ex-Agency.

Maintenance of network and partnership relations with different Certification bodies and Test laboratories under the ATEX and IECEx. Regular visits to CB's and TL's and IEC TC31 and IECEx meetings worldwide. IEC TC31/SC31J Secretary. Member of many IEC TC31 WG's and MT's. Editor in the Ex-Bulletin (specialized Ex magazine) published regularly by Ex-Agency. Author of official translations to Croatian of IEC 60079 series of standards.

• Dates (from – to)

• Name and address of employer

• Type of business or sector

• Occupation or position held

January 2002 – January 2005

Ex-Agencija, Baštijanova bb, 10000 Zagreb, Croatia

Testing and certification in the Ex field, Inspection, Risk Assessment

Technical Sector, Expert for Electrical Equipment and Installations Inspection and Risk Assessment

- Main activities and responsibilities

Responsible for the overall explosion risk assessment and preparation of Explosion Protection Document as required by the EU Directive 1999/92/EC in huge number of different industries (food production, cement production, oil refineries, off shore rigs, petrol filling stations, pharmaceutical industry, chemical industry, shipyards, furniture production...).

EDUCATION AND TRAINING

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered
- Title of qualification awarded

1996 – 2001

Postgraduate study on the Faculty of Electrical Engineering, Mechanical Engineering and Naval Architecture, University of Split, Department of Electrical Engineering

Electrical engineering, electric drives and machines

Final paper: Experimental research on the influence of input and output filters on the performance of electric drive with asynchronous tri phase cage induction motor fed from voltage/frequency converter (VFD)

Master degree in Electrical Engineering (M.E.Eng)

- Dates (from – to)
- Name and type of organization providing education and training
- Principal subjects/occupational skills covered

1992 - 1996

Natural Sciences Gymnasium,

Split -Croatia

Math and Physics mainly

PERSONAL SKILLS AND COMPETENCES

Acquired in the course of life and career but not necessarily covered by formal certificates and diplomas.

MOTHER TONGUE

Croatian

OTHER LANGUAGES

- Reading skills
- Writing skills
- Verbal skills

English, Serbian, Slovenian, Bosnian (no language barrier in ex-Yugoslavian countries)

LEVEL C1 (EFFECTIVE OPERATIONAL PROFICIENCY OR ADVANCED)

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SOCIAL SKILLS AND COMPETENCES

Living and working with other people, in multicultural environments, in positions where communication is important and situations where teamwork is essential (for example culture and sports), etc.

Able to communicate clearly, confidently, and concisely, both verbally and in writing. Excellent proficiency when following and interpreting instructions and making logical business oriented recommendations. Professional, personable and able to integrate well and to foster positive and harmonious relationships with personnel within the department and the business. Reliable team player.

ORGANISATIONAL SKILLS AND COMPETENCES

Coordination and administration of people, projects and budgets; at work, in voluntary work (for example culture and sports) and at home, etc.

Excellent organizational skills, able to manage workload effectively, to recognize and set priorities and to meet deadlines. Accuracy and attention to detail. Ability to organize and prioritize a variety of tasks/projects. Ability to work within strict time frames and resolute deadlines.

Organizer of IEC TC31 annual meetings in Dubrovnik 2003, IEC TC31 WG/MT meetings in Zagreb 2005, CENELE TC31 meetings in Zagreb 2006, IEC TC31 CAG and WG/MT meetings in Split 2010, IECEx annual meetings in conjunction with UNECE WP.6 meeting in Split 2011., IEC TC31 CAG and WG/MT meetings scheduled for April 2018 in Split in conjunction with IECEx and UN International Ex Conference.

TECHNICAL SKILLS
AND COMPETENCES
With computers, specific kinds of
equipment, machinery, etc.

Excellent command of Microsoft Office™ tools (Word™, Excel™, PowerPoint™, Visio™, Excel™), as well as of computer aided design (AutoCAD™), graphic design applications (Adobe Illustrator™, PhotoShop™), open source web content management system (Umbraco) and music production software (Sibelius™, Cubase™ - Steinberg), working with test equipment (climatic chamber, IP test chamber, sun test, oxygen analyzer, system for dynamic pressure measurement, chromatograph, IR camera, calipers, micrometers....)

ARTISTIC SKILLS
AND COMPETENCES
Music, writing, design, etc.

Since 1992 performer of Klapa singing. Klapa singing is a multipart singing tradition of the southern Croatian regions of Dalmatia. In 2012 Klapa singing was inscribed in UNESCO Intangible Cultural Heritage of Humanity. Multipart singing, a capella homophonic singing, oral tradition and simple music making are its main features.

Saxophone and piano player. Successfully finished elementary School of Music in Split (6 years). Solo tenor singer in many mixed and male choirs. Participated in the production of 3 audio records (CDs) (Dobrojutro more with Klapa Šufit, Parvi with Klapa Grdelin and Trešeta with Klapa Sagena). In 1996 with Klapa Šufit won a Grand Prix at the Summer Festival of Dalmatian South, 1st Prize Award at the festival of A capella singing in Skradin 1998, 2nd Prize Award at the festival in Omiš 2004, 2nd Prize Award at the International festival in Perast 2015. Group performed at concert halls in New York, Paris, Chicago, Jerusalem, Athens, Gdansk, Geneva, Bern, Stockholm, Berlin, Munich, Wien, Budapest, Prague and many local spots.

OTHER SKILLS
AND COMPETENCES
Competences not mentioned above.

Vice President of Croatian Technical Committee of the Croatian Standards Institute, mirror committee 31 - Explosive Atmospheres. IEC TC31 AG 36, WG 22, MT60079-31, PT60079-46 member. Croatian NC Cenelec Official: TC 31, TC 31/SC 31-8, TC 31/SC 31-9, TC 64. Author of official translations of IEC 60079 and ISO/IEC 80079 series of standards to Croatian. Main promotor of IECEx System on Croatian national level. Author of several professional articles related to Ex.

In 2013 attended refreshment training D2STCW A-VI/1 for safety and survival at sea
In 2012 received DNV certificate for Lead Auditors in compliance with ISO 9001
In 2010 received SGS certificate for Internal Auditors in compliance with ISO 9001
In 2009 received international certificate D2STCW A-VI/1 for safety and survival at sea
In 2005 received the Certificate of Proficiency in English from the University of Cambridge

DRIVING LICENCE(S)

A1, A2, A, B, F, G, M

ADDITIONAL INFORMATION

Married, father of one daughter.

Participated at several seminars and meetings of international Ex expert's groups including:

- 2017: IECEx annual meetings in Washington, US
 - : International Ex Conference in Fruška Gora, RS
- 2016: IEC TC 31 with SCs and WG/MTs annual meetings in Frankfurt, DE
 - : IECEx annual meeting in Umhlanga, ZA
 - : IEC TC31 CAG and WG/MTs meetings at BSI in London and FM in Windsor, GB
- 2015: IEC TC 31 with SCs and WG/MTs annual meetings in Minsk, BY
 - : IEC TC31 CAG and WG/MTs meetings at CSA in Mississauga, CA
 - : Business visit and experience sharing at DEKRA EXAM in Bochum, DE
- 2014: IEC TC 31 with SCs and WG/MTs annual meetings at UL in Northbrook, US
 - : IEC TC31 CAG and WG/MTs meetings at PTB in Braunschweig, DE
 - : IEC Round Table on the development of IEC publications, Geneva, CH
- 2013: IEC TC 31 with SCs and WG/MTs annual meetings in New Delhi, IN
 - : IEC TC31 CAG and WG/MTs meetings at FM in Windsor, GB
 - : Business visit and experience sharing at INERIS in France
- 2012: IEC TC 31 with SCs and WG/MTs annual meetings at UL in Northbrook, US
 - : IEC TC31 CAG and WG/MTs meetings at NEK in Oslo, NO
- 2011: IEC TC 31 with SCs and WG/MTs annual meetings in Melbourne, AU
 - : IEC TC31 CAG and WG/MTs meetings in Stockholm, SE
 - : IECEx and UNECE WP.6 annual meetings in Split, HR
- 2010: IEC TC 31 with SCs and WG/MTs annual meetings in Seattle, US
 - : IEC TC31 CAG and WG/MTs meetings in Split, HR
 - : Article from Ex-Agency at the PCIC Europe Conference in Oslo, NO
- 2009: Business visit and experience sharing at FTZU in Ostrava, CZ
 - : IEC TC31 CAG and WG/MTs meetings at FM in Windsor, GB
 - : Business visit and experience sharing at BASEEFA in Buxton, GB
 - : IEC SC 31J MT60079-14 and -17 meetings in Singapore
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Tel Aviv, IZ
 - : IECEx and UNECE WP.6 annual meetings in Melbourne, AU
- 2008: IEC TC31 CAG and WG/MTs meetings in Prague, CZ
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Sao Paulo, BR
 - : Lecturer at the PCIC Europe Conference in Weimar, DE
 - : IECEx and UNECE WP.6 annual meetings in Paris, FR
 - : Lecturer at the CIAEx International Conference in Sao Paulo, BR
 - : Business visit and experience sharing at PTB in Braunschweig, DE
- 2007: IEC TC31 CAG and WG/MTs meetings in Sydney and Adelaide, AU
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Kuala Lumpur, MY
 - : Lecturer at the thuba 75 event in Basel, CH
 - : Networking at the PCIC Europe Conference in Paris, FR
- 2006: CENELEC TC31 meetings at Ex-Agency in Zagreb, HR
 - : IEC TC31 CAG and WG/MTs meetings at UL in Northbrook, US
 - : Business visit and experience sharing at UL in Northbrook, US
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Rio de Janeiro, BR
 - : Networking at the PCIC Europe Conference in Amsterdam, NL
 - : Lecturer at the EPIAEx International Conference in Rio de Janeiro, BR
- 2005: IEC TC31 CAG and WG/MTs meetings at UL in Northbrook, US
 - : Business visit and experience sharing at UL in Northbrook, US
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Zagreb, HR
 - : Lecturer at the International Ex Conference in Dubrovnik, HR
- 2004: IEC TC31 CAG and WG/MTs meetings at PTB in Braunschweig, DE
 - : Business visit and experience sharing at PTB in Braunschweig, DE
 - : IEC TC 31 with SCs and WG/MTs annual meetings in Sydney, AU
- 2003: IEC TC 31 with SCs and WG/MTs annual meetings in Dubrovnik, HR
- 2002: Attended 7 days Ex training at the University of Zagreb, Faculty of Mining, Geology and Petroleum Engineering