CURRICULUM VITAE
draganlitricin@yahoo.com

Name, Surname, title:	**Dragan Litričin, PhD E.E.**	
Education:	**Czech Technical University in Prague (ČVUT)** Faculty of Electrical Engineering Doctoral study (**PhD**)	
Working experience:	2018 – 2019 **E&I QC Inspector** ***NORD STREAM 2, Germany*** *(www.nord-stream2.com)* 2017 – 2018 **Electrical QC Inspector** (freelancer) *On behalf of* **INTERTEK** (Czech Republic) (www.intertek.com) 2017 – **Engineering Manager** (Principal Technical Associate) Engineering Management Sector IRC Alfatec, **Serbia** (www.alfatec.rs) 2016 – 2017 **Electrical System Engineer** (***Testing&Verification***) CYIENT, **Czech Republic** (www.cyient.com) 2015 – 2016 **Electrical Designer** ISA Industrieelektronik, **Germany** (www.isaweiden.de) 2013 – 2015 **Lead Electrical Designer & FAT Test Engineer** ČKD Praha DIZ, **Czech Republic** (www.ckddiz.cz) 2008 – 2013 **Electrical Designer & FAT Test Engineer** ČKD Praha DIZ, **Czech Republic** (www.ckddiz.cz) 2004 – 2008 **Doctoral Study (PhD), *Electrical Power Engineering*** (Department of Electroenergetics) (www.ckddiz.cz) Faculty of Electrical Engineering, Prague **, CZ** 1999 – 2004 **Teacher for Electrothermal and HVAC systems** Secondary Electrotechnical school Novi Sad, **Serbia** (www.etspupin.edu.rs) 1995 – 1999 **Maintenance/Service Electrical Engineer** (Electrothermal and HVAC systems) LD Electric, Novi Sad, **Serbia** (www.ldelectric.rs)	

CURRICULUM VITAE
draganlitricin@yahoo.com

Specialization:

Power Designing & Elec. Engineering)

Design activities

- preparation of electro-design documentation of all stages.
- Feasibility study, Basic design, Detail design, As-build design for MV and LV switchboards for Compressor stations, Thermal and Nuclear Power Plants.
- Calculation study of short-circuits (NEPLAN).

Engineering activities

- Services for ensuring realization of a project (control of equipment specification, reviewing subcontractor’s production documentation and control of hardware assembly and re-check all subcontractors’ elec. calculations.
- Cooperation with manufacturer of electro equipment during process of realization.
- A pre-start up safety review for Compressor Unit and TG set.
- Start-up procedure review for Compressor Unit and TG set.
- Fire & Gas Systems review.

Supervision activities

- FAT (Factory Acceptance Test) for electro equipment (*MV switchgears, LV switchboards, Fire&Gas Systems, HVAC, Emergency Diesel Generator, UPS, Compressor Units*).
- Troubleshooting in the commissioning phase.

Testing and Verification

- Electrical testing/ functional tests / energizing for switchboards.
- Testing Emergency Stop Systems.
- Tripping and alarm circuit check to prove correct functioning of switchboards.
- Check that protection relay alarm/trip settings have been entered correctly.
- General inspection of the el. equipment, checking all connections, wires on relay terminals, interconnecting wiring, cable routes, earthing system, etc.

Tender activity

- define the concept of technical solution and creating basis for determining the price of delivery and installation.

References:

(INSPECTION)

Nord Stream 2   *(E&I QC Inspector)*

Project: ***Nord Stream 2*** *(NSP2 Offshore pipeline), Germany/Russia*

- Site activities (Troubleshooting in the commissioning phase)
- FAT Electrical Hardware and Software Inspections
- Inspection of the SCADA system (Alarm tests)
- Inspection of the PCCS Systems (*PCCS - Pipeline Control and Communication Systems*)
- Hardware FAT inspection of the Fire & Gas cabinets
- Inspection (FAT) of the EDG (Emergency Diesel Generator)
- Inspection (FAT) of the UPS (Gutor /Schneider Electric)

The Cabinets were manufactured by company BilfingerGreyLogics, Flensburg, Germany.

. -.

On behalf of **INTERTEK**   *(Electrical QC Inspector)*

Project: ***New Water Centre, Kuwait***

- Inspection (FAT) of the E-SCADA system cabinet (Siemens)
- Inspection (FAT) of the E-SCADA Server cabinet (Siemens)

The E-SCADA Cabinets were manufactured by the ELBUD Gmbh, Goerlitz,Germany.

Project: ***Basrah Refinery, Iraq*** (LPG Unit and Boilers)

- Inspection (FAT) of the DCS system cabinet (Yokogawa)
- Inspection (FAT) of the DCS marshalling cabinet (Yokogawa)

The Cabinets were manufactured by the company MANAG, Kolin, CZ.

Project: ***Leviathan Field Development Project, offshore Israel***
Intertek Client: *Noble Energy Mediterranean*

- Inspection (FAT) of the 6.6 kV Switchgears - 2000A, 3 Phase, 50Hz, 31.5KA RMS (ABB).

The Switchgears were manufactured by the company ABB, Brno, CZ.

. -.

On behalf of **BUREAU VERITAS**   *(Electrical QC Inspector)*

Project: ***Jebel Ali Sewage Treatment Plant Phase 2, Dubai United Arab Emirates***
BV Client: *BESIX - LARSEN & TOUBRO JOINT VENTURE*

- Inspection (FAT) of the 17.5kV switchgears (ABB)

The switchgears were manufactured at the company ABB, Brno, CZ

. -.

On behalf of **HYUNDAI ENGINEERING COMPANY**
(Electrical QC Inspector)

Project: ***Combined Cycle Power Plant (1338 MW), BISKRA, Algeria***

- Inspection (FAT) of Isolated Phase Bus duct (IPB)

The IPB were manufactured by the EGE, Ceske Budeovice,CZ.

Project: ***Combined Cycle Power Plant (1338 MW), JIJEL, Algeria***

- Inspection (FAT) of Isolated Phase Bus duct (IPB)

The IPB were manufactured by the EGE, Ceske Budeovice, CZ.

On behalf of **TECHNIP FMC** *(Electrical QC Inspector)*

Project: ***Hydrocarbon Cracking Furnaces, Kazan Russian Federation***
T-FMC Client: *PJSC Kazanorgsintez*

- Inspection (FAT) of the MCC Low Voltage switchboards (ABB)

The MCC were manufactured by company ABB, Brno, CZ.

References:

(DESIGNING & ENGINEERING)

CKD PRAHA DIZ (CKD GROUP) *(Lead Electrical Designer)*

Project: ***Refrigeration propane compressor unit, El Borma STEG Gas Plant, Tunisia***

- Detail interconnection design for electrical part; (MV switchgear – Screw Compressor Unit (MYCOM-400UD) – Emergency Shut Down Systems)
- Detail design for the UPS Cabinets (48Vdc, 230Vac)
- Short-circuit calculation study in the network 11 kV
- Analyzing behavior of the main motor 1.65 MWe, 11kV, (type AMD710X2TBSBM_ABB), in the Standby and Emergency conditions
- Review of subcontractor's documentation for electro-mechanical protection and hardware & software blockades for the Compressor Unit

- Participating in a multi-disciplinary team for preparing Start-up procedure

- Review of subcontractor's documentations for Fire & Gas Systems
- Fire hazard evaluations, electric fire-protection review

- Coordination activities with supplier electrical protection REM615 (ABB)

- FAT (Factory Acceptance Tests) – MV switchgear, ABB, Brno, CZ
- FAT (Factory Acceptance Tests) – LV switchboards, Spalovsky, CZ
- FAT (Factory Acceptance Tests) – Electrical protection REM615, ABB, Brno

Project: ***Incineration Plant (ZEVO), Chotikov, CZ***
(Plant for Energy recovery from municipal waste)

- Control of interconnection design for the Turbine Generator (TG) Set (review the subcontractor's diagrams (P&ID, PFD, BFD, Single Line Diagram and Wiring Diagram),
- Review of subcontractor's documentation for Bently Nevada system for displacement and vibration measurement,
- Review of subcontractor's documentation for Electrical protections of the Generator 13.125 MVA,
- Review of subcontractor's documentation for the Turbine regulation system,
- Control of subcontractor's detail design for electrical measurement and Synchronization,
- Review of subcontractor's design for Generator Main Terminal Box,

- Detail design for 220Vdc system (Cabinet, Batteries), UPS Cabinet 230Vac,
- FAT (Factory Acceptance Test), UPS – BENNING, Mlada Boleslav, CZ,

- Short-circuit calculation study for the Plant (network 110kV, 22kV, 6kV),

- Participation in a multidisciplinary team for analyzing behavior of the Turbine-Generator Set during the transition phase, synchronization, shutdowns of unplanned repairs or forced routine repairs,
- Participating in a multi-disciplinary team for preparing Plant Start-up Procedure,

- Troubleshooting in the commissioning phase.

References:

(DESIGNING & ENGINEERING)

Project: ***Nuclear Power Plant, Mochovce, Block 3-4, Slovakia***
(Erection complete new blocks 3-4)

- Detail Design for system of uninterruptible power supply 24Vdc,
- Creation interconnection design for electrical part (MV switchgears – - LV switchboards - electromechanical blockades)
- Short-circuit calculation study in the network 6KV
- Participating in a multi-disciplinary team for Analysis of the Diesel Generator (DG) behavior during failures in 6 kV distribution network, with the aim to verify the performance of the DG excitation system.
- Participating in a multi-disciplinary team for Analysis of an Extraordinary power plant conditions

- Coordination activities with supplier electrical protection (ABB)
- Coordination activities with supplier of the air-conditioning systems (control of shutdown during the fire)

- Pre-commissioning activities for MV switchgears (6kV), UPS, HVAC

- FAT (Factory Acceptance Test), System 24Vdc – AEG, Germany

CKD PRAHA DIZ (CKD GROUP) *(Electrical Designer)*

Project: ***Refrigeration propane compressor unit, Rumelian, Syria***

- Basic design for electrical part of the plant (MV, LV)
- Detail electrical design for interconnection between compressor unit and MCC switchboards (alarms, commands, signalizations),
- participating in the team for preparing the following studies; (Transient load calculations and a Load-flow),
- Review of subcontractor's documentations for Fire & Gas Systems,
- FAT (Factory Acceptance Tests) for LV switchboards,
- Troubleshooting in the commissioning phase.

Project: ***Nuclear Power Plant, Mochovce, Block 1-2, Slovakia***
Block 1,2 – Reconstruction of automatics

- Detail interconnection design for electrical part (MV switchgear),
- Detail Design for system of uninterruptible power supply 24Vdc,
- Short-circuit calculation study in the network 6kV,
- Coordination activities with supplier MV electrical protection (ABB),
- Pre-commissioning activities,
- Troubleshooting in the commissioning phase,
- Giving advices to commissioning team for selection the best technical solution in eliminations of problems during commissioning phase,
- FAT (Factory Acceptance Test) – DC cabinets 24Vdc, AEG, Germany.

Project: ***Modernization Thermal Power Plant***, (new boiler on biomass K7 and new steam turbine TG3), ***Pilsner, CZ***

- Detail Design for system of uninterruptible power supply 220Vdc, 230Vac
- FAT (Factory Acceptance Tests) , BENNING, CZ
- Coordination activities with supplier electrical protection ABB *(ABB High Voltage elect.protection ABB - RET, REG, REM)*
- Engineering services for calculation and control of behavior turbine-generator unit during connection on the el. network (parameters, elec.protections, control of selectivity, harmonics, etc..)

CURRICULUM VITAE
draganlitricin@yahoo.com

References:

(DESIGNING & ENGINEERING)

Project: ***Compressor Station (LNG), Tashkent, Uzbekistan***

- Preparing an offer for electrical part.
- Participating in a multi-disciplinary EPC team (Mechanical, Civil, MaR, IT..) for define the concept of technical solution.

Project: ***Compressor Station (LNG), Chauzak, Russia***

- Preparing an offer for electrical part.
- Participating in a multi-disciplinary EPC team (Mechanical, Civil, MaR, IT..) for define the concept of technical solution.

Project: ***Compressor Station (LNG), Tambov, Russia***

- Feasibility study (for electrical part).
- Participating in a multi-disciplinary EPC team (Mechanical, Civil, MaR, IT..) for preparing a feasibility study.

Project: ***Thermal Power Plant Bukoza (modernisation), Vranov , Slovakia***

- Preparing an offer for electrical part.
- Participating in a multi-disciplinary EPC team (Mechanical, Civil, MaR, IT..) for define the concept of technical solution.

CYIENT *(System Electrical Engineer)*

Project: ***DB-490 trains for Hamburg S-Bahn, Bombardier***

- HVAC system (Testing&Verification) in RTA climatic wind tunnel, Wien

ISA (Industrielektronik) *(Electrical Designer)*

Project: ***Heating System for Army Lodging Grafenwoehr, Germany***

- Detail interconnection electrical design for electro-mechanical assemblies (alarms, commands, signalization, fire-dampers).
- Preparing electrical wiring diagrams and equipment lists for manufacturing LV cabinets for Heating System.

LD Electric *(Maintenance/ Service Elec. Engineer)*

- Maintain of industrial electrical equipment and HVAC (refrigerated cabinets and box) - Routine, Preventive and Breakdowns maintains.
- Install electrical equipment such as storage heaters, water heaters, electric signs, switchboards, motors and other electrical equipment.
- Install and maintain LV electrical installations .
- Maintain of electrical equipment for home and kitchen (refrigeration air-conditioning units, cooking, small appliances, etc).

Languages:

English language
Czech language
Serbian – native speaker

Others:

EU Citizenship (CZ), Serbian citizenship