

# Arman Derviškadić

## Electrical Engineer M.Sc.

**Extensive knowledge in T&D Systems. Mainly interested in HVDC transmission: converter stations primary and secondary equipment. Extensive knowledge about the electromechanical industry and manufacturing processes. Always ready to deepen technical aspects connected with innovative technologies in the T&D sector. Passionate about Electrotechnics. Energetic, dynamic and flexible personality, team player, goal-oriented. Frequent traveller.**

### Work Experience

2022 – Present | Rome, Italy – Ludvika, Sweden

#### HVDC Capture Team Leader

##### Hitachi Energy

Responsible to define and execute the company's strategy for HVDC projects in South EU. Responsible to lead the capture team and to oversee the entire process of pursuing HVDC contracts.

2018 – Present | Rome, Italy

#### Lecturer at "La Sapienza" University of Rome

Courses: HVDC Technology, High Voltage Engineering, HV Electrical Components

2020 – Present | Rome, Italy

#### Board Member – CIGRE NGN Italy

Start up and organization of the Italian CIGRE NGN community

2016 – 2021 | Arnhem, The Netherlands

#### Sales and Business Development Manager

##### KEMA Labs, CESI Group (and DNV until 2020)

Technical Sales and Business Development at the World leading company in Independent Testing, Inspections and Certification of Electrical Components for the T&D Networks. Hundreds of successful projects and happy Customers. Strong dedication to technical aspects and active participation to the main test programs executed at KEMA.

2018 – 2020 | Istanbul, Turkey

#### Lecturer at ITU Istanbul Technical University

Course: High Voltage Engineering

2021 – 2022 | Rome, Italy

#### Area Manager Europe – International BD

##### Terna Plus, Terna Group, Italian TSO

Responsible to develop Terna's business in Europe. Focus topics: Interconnection projects, RES and Energy Intensive Industry. Holistic view: transmission projects, regulations and energy markets.

2012 – 2015 | Rome, Italy

#### Project Engineer

##### Terna Plus, Terna Group, Italian TSO

Coordinated infrastructure projects within Energy field related to Energy Efficiency and growth of Renewable Energy Sources in Italy. Feasibility studies, detailed design and substation EPC Projects.

2011 | Stockholm, Sweden

#### Laboratory assistant (Power Electronics Lab)

##### KTH (Royal Technical University)

Comparison of different methods to measure submodule capacitor voltages of Modular Multilevel Converters for HVDC applications

### Expertise

HVDC		Offshore Wind	
Dynamic System Studies		Control and Protection	
Business Development		Negotiation	
Project Management		Site Management	
Conferences, Exhibitions, Congresses			
High Power Laboratory		High Voltage Laboratory	
Type Tests, Routine Tests, Special Tests			
IEC	CIGRE	IEEE	
IEC 62271	IEC 60076	IEC 61869	
IEC 62067	IEC 60840	IEC 60502	
Certification and Reporting			
ISO 17025	IEC 17020	IEC 17065	
Substation Design		Equipment Specification	
Cable Systems		Dissemination	

### Education

**M.Sc. in Electrical Engineering - Electric Power Systems** at "La Sapienza" University of Rome and "KTH" Royal Technical University in Stockholm.

**MBA at Bologna Business School**

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2022 – Present | Rome, Italy

## **HVDC Capture Team Leader**

**Hitachi Energy, Grid Integration, HVDC**

Responsible to define and execute the company's strategy for HVDC projects in South EU. Responsible to lead the capture team and to oversee the entire process of pursuing HVDC contracts.

### **Publications**

1. "La tecnologia HVDC al servizio degli impianti eolici offshore", Arman Derviskadic, Alberto Persico – L'Energia Elettrica AEIT, 2023 – Translation: "HVDC Technology for Offshore Wind Farms"
2. "HVDC come fattore abilitante per l'integrazione delle rinnovabili" Arman Derviskadic, Alberto Persico, Mauro Monge – L'Energia Elettrica AEIT, 2022 – Translation: "HVDC as an enabler for the integration of renewables"
3. "Opportunities and Challenges in the Mediterranean Region with Grid Forming Control for HVDC Systems", Arman Derviskadic, Alberto Persico, Emir Isabegovic, Anton Thorslund – AEIT HVDC Conference, 2023
4. "Technology outlook and power system development opportunities to strengthen the Transmission System in the Mediterranean Region", Peter Lundberg, Mauro Monge, Alberto Persico, Andrea Grondona, Arman Derviskadic, Enrico Maria Carlini, Temistocle Baffa Scirocco, Domenico Iorio, Andrea Urbanelli, AEIT HVDC Conference, 2023
5. "Challenges and opportunities for Multi-purpose Interconnectors and wind offshore generation", Arman Derviskadic, Enrico Maria Carlini, Corrado Gadaleta, Michela Migliori, Matteo Tulli, Francesca Longobardi, Elin Rahmqvist, Alberto Persico, Hitachi Energy – Terna – Cigre SEERC 2023
6. "Istanbul: City Centre Infeed with Voltage Source Converter-Based HVDC", Arman Derviskadic, Mauro Monge, Peter Lundberg, Fatemeh Mohammadi Behbahani, Dr.Meghdad Tourandaz Kenari, Prof. Aydogan Ozdemir – Hitachi Energy - ITU - Istanbul Technical University – Cigre SEERC 2023

2019 – Present | Rome, Italy

## **Board Member – CIGRE NGN Italy**

Actively supporting CIGRE to establish an NGN community in Italy and to increase the number of early career professionals and students within the organization. The community is growing at good speed.

2018 – Present | Rome, Italy

## **Lecturer at "La Sapienza" University of Rome**

Courses: **High Voltage Engineering** : HV Laboratory design and main test equipment. LI voltage generator, AC voltage generator. High Power Laboratory design and main test duties.  
**HV Electrical Components** : HV Substation equipment, manufacturing processes for Power Transformers, HV Circuit Breakers/GIS, HV Cables and accessories, Type Tests, Routine Tests and Special Tests. Switching in Power Transmission Systems. SC Testing.  
**(2022) HVDC Technology** : LCC HVDC Transmission Systems, VSC HVDC Transmission Systems, Power System Dynamics and Stability, Control and Protection, Active Power Control, Reactive Power Control, Damping Control, Harmonics.

In 2021, due to a failure I disassembled and repaired the "Passoni and Villa" lightning impulse generator in the University's High Voltage Lab.

In the period 2018-2020 I have started lecturing also at "ITU Istanbul Technical University" within the scope of the course High Voltage Engineering. Due to Covid-19 I decided to stop this activity.

2021 – 2022 | Rome, Italy

## **Area Manager Europe – International BD**

**Terna Plus, Terna Group, Italian TSO**

Responsible to develop Terna's international business in Europe; main focus areas are Iberian Peninsula, North Sea and Balkans. Focus topics: Interconnection projects, RES and Energy Intensive Industry. Holistic view: transmission projects, regulations and energy markets.

2016 – 2021 | Arnhem, The Netherlands



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factories of main electrical equipment and construction sites of power plants, HV S/S & TL. Responsible for due-diligence to validate technical solutions and legal & administrative compliance of Authorizations and construction permits related to RES and industrial Projects.

**Proposal Management** : Performing feasibility studies and drafting technical & commercial proposals. Writing technical specifications and turnkey EPC contracts for realization of smart HV S/S up to 220kV, HV cable systems & OHTL, PV plants and Wind Farms. Coordinating internal and external resources and interfaces for Renewable Energy and industrial projects totalizing over 1500 MW. Verifying and developing complete design documents for HV S/S, TL & RES projects. Involved in pre-feasibility study of a cross-border HV interconnection turnkey project in EE Region including HVDC Back-to-back S/S, 2x200MVA-330/110kV S/S and 45km of HV TL.

**Project Management** : Contract Management, Site Management, FATs, Commissioning & Start up, coordinating (Customers' representatives, EPC subcontractors and electrical equipment suppliers) and supervising the execution phase of EPC Projects: Customer-dedicated S/S, cable system and Provisional Connections to National Transmission Grid. Drafting of tender documents, procurement, construction site management, health and safety issues, testing, commissioning and putting into operation. Witnessing FATs for power transformer and HV cable system according to IEC Standards. Extensive knowledge in design documents and understanding of HV S/S & TL components. Simple load flows & SCC calculations performed.

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## EDUCATION

2021 - 2022

2021

### **MBA at BBS – Bologna Business School**

State Exam for Professional Qualification (Esame di Stato Ing. Elettrico)

2010 – 2012

'**La Sapienza**' University, Rome, Italy

M.Sc. Electrical Engineering Degree; Electric Power Systems (EPS)

Final Grade: **110/110** (Cumulative grade point average)

2011 – 2012

**KTH (Royal Institute of Technology)**, Stockholm, Sweden

Erasmus (European Union Exchange Program), EPS Dept

**Lab work** (Power Electronics Lab) and Master's Thesis, 6 Months

**Subject:** Comparison of different methods to measure submodule capacitor voltages of Modular Multilevel Converters for HVDC applications

Final Grade: **A**

2005 – 2009

**BSc**, Electrical Engineering Degree

'**La Sapienza**' University, Rome, Italy

**Thesis Subject:** Feasibility study, technical project and economical analysis of the photovoltaic generation system for a sport facility.

2000 – 2005

Liceo Scientifico Statale "Primo Levi", Rome, Italy

Pre-University Studies: High school diploma, Scientific Certificate

### **Languages:**

**Proficient:** English, Italian, Serb-Croatian **Elementary:** French

### **IT Skills:**

**Software:** Matlab, Xilinx ISE Design Suite (VHDL), Simpow, LabVIEW, GAMS, COMSOL, AutoCAD, SAP, Java, Dev-C++, Microsoft Office, Wordpress, Google and Facebook ADS, Google Analytics, Salesforce, Pardot, PSCAD.

**Hardware:** FPGA, DAQ (National Instruments), Mixed-signal Oscilloscopes

### **Social skills**

Communicator and influencer. Expat mindset: willing to discover new cultures and happy to adapt to multicultural environments. Very active social life. Team player. Resilient through life.

### **Work attitude**

Self-directed: strong sense of organization and initiative. Copes with stressful and demanding situations linked to deadlines and project milestones. Tireless and enthusiastic approach to work, always ready for the extra mile. Confident in public speaking and presentations. Ready to represent the Company at exhibitions, congresses and seminars. Brilliant networking skills. Creative, problem solver, team-worker and team-builder.

### **Personal interests and information**

Sports (tennis, snowboard, football, rugby), music (guitar & sax), social media marketing, analog B&W photography, Italian cuisine, nature (backpacking, hiking, cycling). Involved in volunteering with social and environmental issues. Father of two little boys, Leo & Dario.

## PERSONAL SKILLS