

Sanja Vinter, M.Sc.E.E., MBA

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Date and place of birth: 01/02/1978 Maribor, Republic of Slovenia

Nationality: Croatian



## Work experience within Dalekovod-Projekt

**Position held:** Head of Transmission department

**Dates:** February 2025. - present

**Organizational unit:** OHL department

**Main activities:** Leading a team of 15 highly experienced design experts focused on Croatian market and projects funded by TSO's and/or private developers. As a team leader, Sanja is responsible for coordination of all parties involved in the projects, planning of resources, budgeting and cost verification. Since February 2025 Sanja is taking on Project Management roles in the projects that are handled by her department. The scope of documentation usually includes feasibility study, preliminary design, main and detail design deliverables, as well as As built documentation. Also, she is responsible for verification of design deliverables before final submittal. Furthermore, she is fully involved in the bidding stage of each tender and is personally making cost calculations, time schedules and providing support to other engineers for certain technical issues. Sanja is also encouraging and facilitating professional development of her team through activities such as suggesting funding sources, discussing research ideas, and urging attendance at professional meetings and workshops.

**Position held:** Lead Design Engineer (Dalekovod-Projekt)

**Dates:** February 2010 – February 2025

**Organizational unit:** OHL department

**Main activities:** High voltage transmission line design

**Position held:** Design Engineer (Dalekovod-Projekt)

**Dates:** March 2007 – February 2010

**Organizational unit:** OHL department

**Main activities:** High voltage transmission line design

**Position held:** Design Engineer (Dalekovod jsc)

**Dates:** March 2007 – February 2010

**Organizational unit:** Business unit – design

**Main activities:** High voltage transmission line design

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**Position held:** Design Engineer – Assistant (Dalekovod jsc)  
**Dates:** November 2001– March 2007  
**Organizational unit:** Business unit – design  
**Main activities:** High voltage transmission line design

## Education

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**Study programme:** MBA - Economy of Energy Sector  
**Dates:** 2023.  
**Institution:** Faculty of Economics, University of Rijeka, Croatia

**Study programme:** Master of Science in Electrical Engineering (M.Sc.E.E.)  
**Dates:** 1996. – 2001.  
**Institution:** Faculty of Electrical Engineering and Computing, University of Zagreb Croatia

## Flagship projects

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**Project:** WPP Brda Umovi 127,5 MW (Vjetroelektrana Brda Umovi LLC)  
**Activities:** Design idea, preliminary design, main design (on going)  
Team leader for WPP Brda Umovi project (preliminary design and location permit acquiring, main design and building permit). Project includes WPP design (wind generators, access and internal wind park roads and plateaus, middle voltage cabling between generators, SS 110/x Brda Umovi within the wind park, 2x110 OHTL Brda Umovi – Cetina, SS 400/110 kV Cetina and 400 kV OHTL Konjsko – Mostar tie-in to SS 400/110 kV Cetina.  
**Year:** 2023-ongoing

**Project:** 110 kV OHTL connection for HPP Kosinj (Tie-in of existing OHTL 110 kV Otočac – Lički Osik to SS Kosinj (for HPP Kosinj) (HEP jsc)  
**Activities:** Preliminary, main and detailed design  
Team leader and main design engineer. Project consists of two phases, first phase is 35 kV connection for construction site (35 kV cable and overhead line, SS 35/10 kV Kosinj and 35 kV switchgear), second phase is OHTL 110 kV for SS 110/20 kV Kosinj. Coordination of the design team of 7 design engineers and technicians of different specialties, collaboration with the legal team regarding property issues. Responsible for full electrical design for the purpose of cable line and OHL construction, load calculations, bill of materials. Permitting.  
**Year:** 2021. / 2022.

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**Project: 2x110 kV OHTL Ogorje – Peruča/Rust (connection for WPP Rust (Končar OIE Ilc. And Croatian TSO)**

**Activities:** Main design  
Team leader and main design engineer. Coordination of the multidisciplinary design team. Responsible for full electrical design for the purpose of OHL construction, load calculations and performing required calculations (design of insulator strings, earthing, clearance calculations, sag/tension calculations), bill of materials. Permitting.

**Year:** 2021.

**Project: 220 kV OHTL Brinje – Senj, connection line for the wind power plant Senj (Croatian TSO and Norinco)**

**Activities:** Detail design  
Principal design engineer and team leader and coordinator between 5 design engineers and experts (electrical, civil, survey, geologist). Main and detailed design for OHTL including all electrical calculations, load calculation, design drawings, bill of work and material, descriptions. Construction permit issuing.

**Year:** 2019.

**Project: 110 kV cable tie-in of existing OHTL 110 kV Zakučac – Meterize III to SS 110/20 kV Terminal (Croatian TSO)**

**Activities:** Preliminary design  
Team leader for the project, responsible for the cable line routing, preliminary design, coordination, and compliance with physical planning documentation, permits acquiring.

**Year:** 2019.

**Project: 2x220(400) kV OHTL Hydropower plant Senj 2 and 2x110kV OHTL Hydropower plant Kosinj connections to Croatian power system (Croatian TSO)**

**Activities:** Preliminary design  
Team leader for the project, responsible for the line routing, preliminary line design, coordination and compliance with physical planning documentation, and environment protection studies, permits acquiring.

**Year:** 2018.

**Project: 2x220 kV OHTL Pehlin – Plomin, reconstruction at the state road crossing (Croatian TSO)**

**Activities:** Detailed design  
Responsible for full electrical design for the purpose of OHL reconstruction load calculations for the new and existing towers and drafting required design drawings and performing required calculations (insulation, earthing, clearance check, sag/tension calculations), bill of materials.

**Year:** 2017.

- Project:** 110 kV OHTL Gračac – Velika Popina, connection line for the wind power plant Zadar 6P (Croatian TSO and Velika Popina d.o.o.)
- Activities:** Main and detailed design, As built documentation  
Principal design engineer and team leader and coordinator between 5 design engineers and experts (electrical, civil, survey, geodetic). Main and detailed design for OHTL including all electrical calculations, load calculation, design drawings, bill of work and material, descriptions. Construction permit acquiring.
- Year:** 2015. – 2016.
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- Project:** 2x110 kV OHTL Slavonski Brod – Đakovo with the tie-in to S/S Donji Andrijevc (Croatian TSO)
- Activities:** Main and Detailed design  
Principal design engineer and team leader and coordinator between 5 design engineers and experts (electrical, civil, survey, geologist). Main and detailed design for OHTL including all electrical calculations, load calculation, design drawings, bill of work and material. Construction permit acquiring.
- Year:** 2014. - 2015
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- Project:** 110 kV OHTL Delnice – Moravice (Croatian TSO)
- Activities:** Main and Detailed design, As built documentation  
Refurbishment of an existing 110 kV OHL (new towers, conductors, and fittings)  
Principal design engineer and team leader and coordinator between 5 design engineers and experts (electrical, civil, survey, geologist). Main and detailed design for OHTL including all electrical calculations, load calculation, design drawings, bill of work and material, descriptions. Construction permit issuing.
- Year:** 2015.
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- Project:** 2x110 kV OHTL Slavonski Brod – Slavonski Brod 2 (Croatian TSO)
- Activities:** Main design  
Refurbishment of an existing 110 kV OHL  
Refurbishment of an existing OHL (new towers, conductors, and fittings)  
Principal design engineer and team leader and coordinator between 5 design engineers and experts (electrical, civil, survey, geologist). Main and detailed design for OHTL including all electrical calculations, load calculation, design drawings, bill of work and material, descriptions. Construction permit issuing.
- Year:** 2014.
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## Membership in professional institutions

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**Institution:** **Croatian Chamber of Electrical Engineers**

**Status:** Member

**Institution:** **HRO Cigre**

**Status:** Regular member and Secretary of Croatian B2 Committee (overhead lines)

## Additional information

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**Key software skills:** **PLS CADD, EFC 400, Auto CAD**

**Spoken languages:** **English** – full professional fluency

**Spanish** – full professional fluency

**German** – intermediate knowledge

**Russian** – basic knowledge

**Driving license:** **B** category, full clean