



CURRICULUM VITAE

BOYAN SAVOV

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1. **Family name:** Savov
2. **First names:** Boyan Veselinov
3. **Passport holder:** Bulgarian
4. **Residence:** Bulgaria
5. **Education:** Higher

Institution (Date from - Date to)	Degree(s) or Diploma(s) obtained:
International Institute for Hydraulic, Infrastructural and Environmental Engineering (UNESCO-IHE), Delft, The Netherlands, 1993-1994	Post-graduate diploma in Hydraulic/Coastal Engineering
University of Architecture, Civil Engineering and Geodesy, Sofia, Bulgaria, 1975-1980	MSc in Hydraulic Engineering
Technical High School in Civil Engineering	Civil Engineering Technician

6. **Language skills:** Indicate competence on a scale of 1 to 5 (1 - excellent; 5 - basic)

Language	Reading/ Listening	Speaking	Writing
Bulgarian	1	1	1
English	1	1	1
Russian	1	1	1
Romanian	4	-	-
Dutch	5	-	-

Other skills: Computer skills: **General:** MS Office, MS Project, AutoCAD, CorelDraw; Photoshop. **Structural:** PILE, SPW, **Hydrographic:** HYPACK Max, SURFER, DrDEPTH; **Coastal/Port:** UNIBEST, BREAKWAT, CRESS; **Environmental:** EchoWatch, AquaPro, and more, **Other skills:** Skipper 40 GT; **Experienced in providing Practical Training in Port and Coastal Engineering:** Co-organizer of Field Work with TU Delft, mentor of trainees, Examiner on the M.Sc. Programme in Coastal Engineering at TU-Delft. **Field measurements and Monitoring:** Wave/current Measurements, Turbidity Monitoring

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7. Professional experience

From - to	Location	Company	Position	Description
08/2019-Present	Varna, Bulgaria	B.V.S. Consult Ltd.	Contractor	Manufacturing and deployment of HERMES-AL1 Oceanographic station at the Adriatic Coast of Albania
07/2019-Present	Varna, Bulgaria	B.V.S. Consult Ltd.	Contractor	Simulation of wave penetration in the St. Elias Marina, Varna, Bulgaria based on the use of HERMES BG-1 wave data
03/2019-06/2020	Varna, Bulgaria	B.V.S. Consult Ltd.	Contractor	Manufacturing, deployment, and operation of HERMES-BG1 Oceanographic station
08/2018-12/2018	Varna, Bulgaria	Association of Bulgarian Black Sea Communities (UBSLA)	Senior Consultant, HERMES Advisory Board Member	<i>HERMES - A Harmonized Framework to Mitigate coastal Erosion promoting ICZM protocol implementation (EU-funded project)</i> Designing of an oceanographic station comprising real-time wave, current, tide, turbidity measurement, and time-laps visualising
07/2018-present	White Lagoon	B.V.S. Consult Ltd.	Project Leader	Conceptual design of artificial reef, laguna beach, and marina by implementing innovative approach in waterfront development (in cooperation with TU-Delft)
04/2018-.07/2018	Albena, Bulgaria	B.V.S. Consult Ltd.	Project Leader	Designing a multifunctional pile structure- recreational jetty with sea water pool, café, and mooring facility. Innovative energy dissipation screen between the piles.
10/01/2018-ongoing	Varna, Bulgaria	B.V.S. Consult Ltd.	Project Leader	Design and construct of a submerged breakwater and artificial headlands at "The Bay". Proposed a <i>New Approach to Climate Adaptation Planning of Waterfront Development</i>
01/08/2017 Present	Varna, Bulgaria	B.V.S. Consult Ltd.	Owner's Adviser	Providing expertise on rehabilitation of a marina, waterfront development, and beach expansion at Sts. Konstantin and Elena Resort near Varna

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01/01/2017 01/08/2017	Burgas, Bulgaria	BMF-Port Burgas	Employer's Representative	Head of Project Implementation Unit (The Engineer). Overall Supervision (FIDIC) on a port expansion for specialised heavy cargo transshipment. Construction of caissons, dolphins, jetty, storage area for heavy cargo (2000 t/unit), dredging, and rock works.
20/07/2016 31/12/2016	Varna, Bulgaria	B.V.S. Consult Ltd.	Leader of in-situ pre-and post- construction study	Verification of the Functional Efficiency of Submerged Breakwater by Field Measurements (<i>Presented at ICCE 2016 Antalya, December 19, 2016</i>).
06/04/2016 - 20/07/2016	Acajutla, El Salvador	Geotron Caribbean b.v.	Project Manager	Offshore investigation for a new LNG terminal at Acajutla, El Salvador.
01/2016- 06/04/2016	Varna, Bulgaria	B.V.S. Consult Ltd.	Freelance consultant	Working on reuse of concrete blocks from demolished buildings in rehabilitation of coastal structures.
09/2014- 11/2015	Constanta, Romania	Van Oord Dredging and Marine Contractors	Environmental Manager	Management of the Environmental Department at the Constanta Branch Office. Liaising with the Environmental Authority with respect to issuing all environmental permits for Beach rehabilitation Project (value 100 mill EUR). Setting-up environmental monitoring program, execution of the program (turbidity and current measurements, etc.). Supervising subcontracted parties.
04/2013- 09/2014	Constanta, Romania	Van Oord Dredging and Marine Contractors	Engineering Manager	Managing a team of engineers to assure the engineering support to the work departments for two projects "Constanta Port, Northern Breakwater Extension" (value 150 mill EUR) and "Rehabilitation of the southern part of the Romanian Black Sea coast" (4 lots Tomis North, Tomis Center, TomisSouth and Eforie North)- design documentation, payment statements, quality documents, claims, site investigation (onshore and offshore geotechnical, hydrodynamical). Setting-up activities with respect to investigations, design, and execution of the two projects. Preparation of method statements, QA procedures, work plans and schedules. Liaising with the Client and the Designer. Assessment of storm damage.
07/2013- 11/2015	Constanta, Romania	Van Oord Dredging and Marine Contractors	Mentor of interns and trainees	Guided and supervised 14 interns from Delft University of Technology and 2 trainees of Van Oord DMC for 3 months each. Large variety of issues and tasks were tackled, like: Wave measurements, forecasting and monitoring workability of marine equipment, organizing soil investigation, estimation of settlement of Northern

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				Breakwater, field investigation with respect of liquefaction potential, beach morphology versus borrow material properties, placement of concrete armour units-workability, fragmentation of rock from quarry to placement, environmental monitoring program and implementation, planning concrete works with respect to expected settlement, estimating and monitoring recovery of storm damage, and more.
01/2010-03/2013		B.V.S. Consult Ltd.	Free-lance consultant	Conceptual design of the expansion of the fishing port Tsarevo. Development of work method for waste water outfall at Sozopol. <i>CREEFS – Research and Restoration of the Essential Filters of the Sea</i> . Technical Supervisor. EU-funded project. Consultation on beach restoration project in Romania. Soundings, mapping and sediment volume calculations, Kamchiya River Dam. Completed December 2011; Expertise on the integrity of coastal protection at Evksinograd Palace (Governmental Residence), Varna, Bulgaria. Completed December 2011; Structural expertise on a segmented breakwater, Berdiansk Spit, Ukraine. Proposed an alternative solution. Completed July, 2011; Structural expertise of Sirius Beach coastal protection facilities. Completed June, 2011; Hydrographic Survey and Soil Investigation for dredging and positioning of a new floating dock at Odesos Ship Repair Yard, Varna, Bulgaria. Completed January 2010.
08/2006-01/2010	Varna, Bulgaria	Bulgarian Shipping Company,	Head of the Marine Construction department	Responsible for overall planning, management, and coordination of all activities and projects of a group of companies. The duties include: Communication with the companies-members; Revising proposals and reports; Communication with international partners and contractors; Development of conceptual schemes of mooring structures and quay walls with preliminary cost estimate for the Lesport Terminal Expansion, 2006; Coordinator, Technical Scoping Study for the Expansion of Lesport” developed by Royal Haskoning; Team Leader, Master Plan for Port Expansion Project (EUR 70 mill), Lesport Terminal, 2008; Team Leader, EUR 1.2 mill winning proposal for designing of Lesport Terminal Expansion Project at Varna, 2008 (Supervisor, hydrographical survey and soil Investigation for the port expansion at Lesport Terminal, Varna, 2009.
12/2003-07/2006	Varna, Bulgaria	BH Dredging/VO Country Representative	Coastal/Port Engineer	Participation in bid preparation and coordination of execution of dredging works for deepening the access channel at Port Burgas, 2006; Bid preparation for Deepening the access channel to the Fishing Port, Bourgas, 2005;

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01/2002-12/2003	Hanover, Germany, Delft, the Netherlands	Black Sea Coastal Association Ballast-Ham Dredging	Free-lance consultant-Coastal, Port, and Dredging	Laboratory study on dredge-induced spreading of sediments. Project within the 5th Framework Programme of the EC, Delft Hydraulics, The Netherlands. Participated in the development of model set-up. Participated in laboratory tests; Hydraulic model tests of floating breakwater. Project within the 5th Framework Programme of EC: Jointly with Franzius Institute, Hanover, Germany. Developed model set-up schemes, designed the model sections and supervised the manufacturing; participated in the model set-up and model tests. Completed December 2002.
10/1994-01/2002	Varna, Bulgaria	SLINE Consultancy, Representative of Ballast Nedam Dredging (BND);	Free-lance consultant, Coastal, Port, and Dredging	Port expansion project at Bourgas (Black Sea, value \$160 mill: Site investigation, i.e. sampling and analysis of marine sediments; developed coastal changes monitoring program as part of the bid; Structural design of a quay wall at "St. Constantine and Helena" Marina, Varna, Bulgaria. Completed May, 2001; Wave Loads and Mooring Line Forces on a Floating Pool Structure at Sharm El Sheikh, Sinai, the Red Sea. Part of pre-feasibility study: Developed conceptual scheme for pre-feasibility analysis of innovative facility with respect to very strict environmental constraints. Completed June 2001; ISO 14001-based Environmental Management System related to dredging works. With the support of USAID-EcoLinks Grant Program. Participated in development of project proposal. Developed environmental management strategy for dredging work with respect to ISO 14001. 1999-2000; Coastal changes monitoring program, Port Bourgas expansion project, part of the bid, October 2000. Marine sediments sampling for the Port Burgas expansion project. Organized the subwater works and coordinated data handling and analysis. September 2000; Investigation on subwater sand sources along the Bulgarian Black Sea Coast, 1997; Dredged sediment management plan for the Varna Lake area, 1995;
09/1993-09/1994	Delft, the Netherlands	UNESCO-IHE	Course Participant	Post-graduate studies in Hydraulic Engineering (Coastal/Port)
04/1992-09/1993	Varna, Bulgaria	SLINE Consultancy	Consultant	Assessment of the damage of main breakwater, St. Konstantine Marina after severe storm in January 1993. Expertize on the structural integrity of the passenger terminal of port Varna after collision of a vessel, April 1993. Designing of the "St. Constantine and Helena" Marina. Structural design of the main breakwater, 1993.
07/1991-04/1992	New York, USA	SLINE Consultancy	Consultant	Independent research on modern technologies and structures in Coastal and Port Engineering; "St. Constantine and Helena" Marina. Developed the general layout, studied wave climate, mathematical modelling of currents, sediment transport, water

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				circulation. 1991.
1980-1991	Varna, Bulgaria	State Company GEOZASHTITA	Designer, Quality Control Engineer	Worked on various project for coastal protection and reinforcement of coastal landslides.

8. Other relevant information (e.g., Selected Presentations and Publications)

1. B. Savov, *Management Challenges Between Land and Water - Nature, People, and Modern Engineering*. BITS's 6th Annual World Congress of Ocean-2017, Shenzhen, China, November 3-5, 2017
2. B. Savov, *New Approach to Climate Adaptation Planning of Waterfront Development*. Arabian Coast 2016, Dubai, December 21-23 2016.
3. T. Marin, B. Savov, *Verification of the Functional Efficiency of Submerged Breakwater by Field Measurements*. ICCE 2016 Antalya, December 19, 2016
4. B. Savov, *Expansion of the Northern Breakwater of Port Constanta and Beach rehabilitation project Constanta area - Completion of the Works*. Seminar at Varna Free University, October 2015
5. B. Savov, *Expansion of the Northern Breakwater of Port Constanta and Beach rehabilitation project, Constanta area-one year later*. Seminar at Varna Free University, October 2014.
6. B. Savov, *Expansion of the Northern Breakwater of Port Constanta and Beach rehabilitation project, Constanta area*. Seminar at Varna Free University, October 2013.
7. B. Savov, *Studies Related to Port Expansion at Lesport, Port of Varna expansion project*. TENT Pan European Program, Brussels, December, 2008.
8. B. Savov, *Conveying Expertise in Coastal Engineering to Bulgaria, Water Education for a Changing World*. On the occasion of the 50th Anniversary Celebrations of UNESCO-IHE, June 2007.
9. B. Savov, *The Role of Dredging in Integrated Coastal Zone Management*. Bulgarian-Dutch Seminar on Integrated Coastal Zone Management, Sunny Beach, April 2005.
10. V. Penchev, A. Karageorgis, B. Savov, *Laboratory Study on Dredge-induced Spreading of Sediments*. HYDRALAB II User Meeting, Budapest, May, 2003.
11. K. Daskalov, B. Savov, V. Penchev, *Physical Model Study on an Unconventional Floating Caisson Breakwater*. PDCE2003 Varna, Bulgaria, June 2003.
12. V. S. Penchev, B. Savov, K. Daskalov, *Basic Results of Hydraulic Model Tests of Floating Breakwater - Third User's Group Meeting*. Franzius Institute, Hanover, 2002.
13. B. Savov, V. Penchev, M. Johnson, R. A. Woellner, *Contribution to the Environmental Management Strategy of Dredging Works on the Bulgarian Black Sea Coast*. Proceedings of 5th International Conference "Black Sea 2000", Varna, Bulgaria, November 2000.
14. Verhagen H. J., B. Savov, *Sea Breeze Generated Waves on the Coast of Varna*, PDCE2000, Varna, Bulgaria, June 2000.
15. B. Savov, V. Penchev, M. Johnson, *Environmental Impact of Contaminated Sediments at Dredging Areas Along the Bulgarian Black Sea Coast*, Proceedings of 2nd International Conference on Port Development and Coastal Environment, Varna, Bulgaria, June 2000.
16. Verhagen H. J., B. Savov, *Sea Breeze Generated Waves and Coastal Morphology*, MEDCOAST Conference on Wind and Wave Climate of the Mediterranean and Black Sea, Turkey, March 1999.