Curriculum Vitae

Svein Ove Nyvoll

Biographical data



Name	**:** Svein Ove Nyvoll
Position	**:** General Manager
Education	: Master of Civil Engineering, NTH
Year of birth	**:** 1970
Language	**:** Scandinavian, English, German

Key qualifications

- **Calculations and design of structures in concrete, steel, and timber.**
- **Structural design of buildings, quay structures, piers, communication structures (bridges and tunnels), foundations and rock anchoring, concrete technology, composite steel and concrete structures and dynamic effects.**
- **Third party verification.**
- **Durability of concrete structures.**
- **Control of erection.**
- **Harbour and Coastal Design including interface with vessels.**

Education

1995	Master of civil engineering (structural), NTH
1992	Structural Engineer, Møre og Romsdal Ingeniørhøgskole

Professional experience

2008 - Now	Nyvoll Consult as, General Manager
2004 - 2008	Dr. techn. Olav Olsen a.s, Project engineer
2004 - 2004	Rambøll Norge AS (until 06.2004), Project engineer
2004 - 2000	Scandiaconsult AS (merged with Rambøll AS from 01.04.2004), Project engineer
1998 -1999	SCC Bonde & Co AS (merged with Scandiaconsult AS from 2000), Structural designer
1996 -1998	Christie & Opsahl Entreprenør AS, Structural designer

Additional information.

- Lectures at the Norwegian University of Technology and Science (NTNU) in Subject: *TBA4145 Port and Costal Facilities*. From 2012 to 2019
- Supervisor in the diploma "***Calculation of cracks in reinforced concrete structures***" NTNU 2004.
- External supervisor in the diploma "***Development of design calculation program for systems with alternative layout***" NTNU 2006.
- Supervisor in the project-work "***Multifunctional steel quay***" NTNU 2012.
- External supervisor in the diploma "***Steel Qyay as RoRo-ramp***" NTNU 2014.
- CMAS** Diving license
- Mountain climbing

Professional membership

- Norwegian Concrete Association, Committee for membership & meetings in Oslo, 1999-2010.
- Guidelines in design and maintenance of marine constructions. Norwegian Concrete Association Publ. nr 35. Published in 2011.
- Guidelines in production and execution of submerged concrete. Norwegian Concrete Association Publ. nr 5. Published in 2022.
- The Norwegian Steel Association.
- The Norwegian Concrete Association.
- The Association of Consulting Engineers RIF. RIF-member within constructing and buildings.
- PIANC (The World Association for Waterborne Transport Infrastructure).
- PIANC Working Group 116 “Safety Aspects affecting the berthing Operations of Tankers to Oil and Gas Terminals” (Secretary). Published 2012.
- PIANC Working Group 145 “Berthing velocities and Fender Design”. Published 2020.
- PIANC Working Group 200 “Recommendations for the Design and Assessment of Marine Single Point Mooring (SPM) or Multi-Point Mooring (MPM) Facilities”. Published 2023.
- PIANC Working Group 211 “Fender Design Guidelines” Published 2024.
- PIANC Working Group 231 “Mooring Bollards & Hooks. Selection, maintenance and testing” (Started up in 2022).
- Norwegian representative in PIANC Marcon (Maritime Commission).
- Mentor PIANC Working Group 268 “Ice Considerations in Ports & Waterways”. Start up 2026.

Professional experience and projects

2008 - **Nyvoll Consult as**, General Manager.

- Stadt Ship Tunnel. Concept fendering and guide structures outside/through the tunnel for the tender phase. Repstad Anlegg AS/Eiffage 2025-2026.
- New Quay Borg Harbour (30m). New quay downstream of the existing container quay. Main contract, Borg Havn IKS. 2025-2026.
- Expansion of the tourist quay in Eidfjord by 40m including anchoring and additional quay area for shore power. Turnkey contract Repstad Anlegg AS 2025-2026.
- Design of erosion protection at Tingvallakaia and Pipervika, Oslo Harbour KF 2025–2026.
- Bulk Quay Tau, Rogaland. Turnkey contract for a new export quay of a pier with 4 dolphins with a total quay length of approx. 200m. Repstad Anlegg 2025-2026.
- Container Quay Drag Hamarøy. Fully completed detailed design but not build. Turnkey contract Repstad Anlegg AS 2024-2025.
- Heavy lift at Borg Harbour. Control, verification, and limitation of crane lifts (400 tons) beyond the specified quay capacity. Borg Havn IKS 2025.
- Kai 25 Risavika, Stavanger. New 126m Pier. Tender and Total Contract by Repstad Anlegg AS. 2024-2025.
- Grieg Seafood Adamselv, Finnmark. New Pier adapted for fish farming. Total Contract by Consto Anlegg Nord AS 2023-2025.
- Rigmorbrygga Bærum. Horizontal brazing og existing floating Pier. Port of Bærum/Bærum Kommune 2023-2024.
- Pier B11 Sløvåg, Gulen. Design of composite columns for new Pier towards the dry dock. Wergeland Group. 2023.
- Harbour City planning in Harstad. Concept for new coastline structures in the city centre. Harstad Havn KF. 2023.

- Kai B6 Sløvåg, Gulen. Design of very long composite columns with heavy loading for the new Pier adapted to Windfarm construction. Wergeland Group. 2023.
- New Foundation for Nexans cable disc (5 200ton) alongside pier 3 at Øra, Fredrikstad. Borg Havn IKS. 2022 – 2023.
- Capacity Control at Equipment pier East. Ulstein Verft Eiendom AS. 2022 - 2023
- New dykdalb with access bridge and steel platform, new bollards at Øra Terminal in Fredrikstad, also including new bollards at Tollbodkaien. Port of Borg. 2022 – 2023.
- New pier at Rødskjør in Harstad. New 122m steel sheet pier + dykdalb to lengthen quay-front. Port of Harstad. 2022 – 2023.
- Pier at Elkem Kristiansand. Concept development and assistance at tender. Consto Anlegg Sør AS. 2022
- Pier for Boliden, Odda. Concept development and assistance at tender. Repstad Anlegg AS. 2022
- Borg Container terminal Pier 3, part 2. Quay-Construction and establishment of crane rails. Port of Borg. 2021 – 2022.
- Søndre Bekkelagskai Oslo. Nes Femder System. Port of Oslo. 2022.
- Kongsgårdsbukta Pier 6. Concept development and assistance at tender. Repstad Anlegg AS. 2022
- New Drydock at Westcon Yards in Florø. Tender concept. Consto Anlegg Vest AS. 2022
- New Foundation for Nexans cable disc (3 500ton) alongside pier 3 at Øra, Fredrikstad. Borg Havn IKS. 2021 – 2022.
- New Pier for Salmar Fish Hatchery at Tjuin and construction works at two piers at Follafoss Fish Hatchery. Consto Anlegg Midt. 2021 – 2023
- Dam Gåseflå. Pretension of Rock Anchors. Technical support. NRC 2021.
- Esso Quay in Harstad. New Fender System. Port of Harstad. 2021 -.
- Exposition of Kattegat III. Quays in Drammen. Harbour of Drammen. 2020-2021.
- Ship Impact Barrier for Kaarbø Sea Hotel Harstad. Prodecon 2020 – 2022?
- Skjerva Brigde Mosjøen. Detail design in Total Project. NRC. 2020 – 2021.
- LNG Øra Fredrikstad. Foundations for LND tanks and LNG offshore loading arm. Gasum, 2020 – 2021.
- Hydrovolt Fredrikstad. Structural Plant Description and owner support during erection. Norsk Hydro Energy AS. 2020 – 2021.
- Boathouse with bedding and launching system for patrol boats on Sjursøya. Total contract NRC Anlegg as. From 2019 to 2020.
- Railway bridge Disenå towards Kongsvinger. Assistance to NRC Construction. 2019.
- Quay facility Vågafossen, Vindafjord Rogaland. Total contract Consto Construction South. Builder MOWI as. From 2019 to 2020.
- Larsneset Quays Harstad. Detailed design and description of a new pier for Harstad Harbour KF including dredging. 2018-2022?
- Equinor Terminal SRP Bahamas. Control of mooring analysis by Norconsult as. 2019.
- Design of pleasure boat harbour. Saga Strand Boat Association. 2019.
- Control of barge stability of Boabarge 15. NCC Industry as. 2019.
- Control of loading and stability og the barge Tellus. Polar Transport as. 2019
- Bridge Nordhaug Anchorage Ridesti. Complete design. Total contract NRC Construction 2019-2020.
- New fender system at Honningsvåg Harbour. 2019.

- Railway Venjar Eidsvoll. Pretension of steel sheet walls with self-designed jack. Hercules Foundation 2019.
- Development of design software (Excel) for fibre reinforced slabs founded directly on piles. Mapei 2019.
- New Fishing Pier in Utgårdkilen, Hvaler. Borg Harbour IKS. Tender description predesigns and detail design. From 2019 to 2020.
- Containerkai North, Borg Harbour IKS. Tender description predesigns and detail design. 2019-2020
- Sandefjord Ferry Terminal. Pivot fender for night-pier, new Duc d'albe with parallel fender wall and bollards. Color Line 2018 - 2019.
- Mooring Analysis for Color Carrier in Kiel, Germany. Color Line 2018.
- North and South Akershus Pier in Oslo. Feasibility study of repair techniques. Oslo Harbour KF 2018.
- Sjursøya. New cement pump line for Norcem-plant. Oslo Harbour KF 2018.
- Larsneset. Feasibility study for repair of existing quay. Harstad Harbour KF 2018.
- Design of foundations for Cable Channel along Railway. NRC Rail 2018.
- Rødskjær Harbour. Feasibility and possibility study. Harstad Harbour KF 2018.
- Herre Timber Terminal. Repair of existing steel sheet quay. 2017 - 2018.
- Stability of Barge with crane. NCC Industry AS, Herkules Fundamentering. 2018.
- Moss Ferry Terminal. Contractor consultations on foundations. 2017.
- Strømstad Ferry Terminal, Sweden. Adaption for new Vessels. ColorLine 2018.
- New RTG Container storage Area for Borg Harbour IKS. 2017 - 2018.
- Repair/new cruise pier in Honningsvåg. 2017-2018.
- Foundations for passengers walk-way for the new ferry Color Hybrid in Sandefjord. 2017-2018.
- Engelsviken Canning. Fredrikstad. Buildings at the coastline. 2017.
- Strengthen and increase in loading conditions of pier 70, Borg Harbour. 2017
- Ny Cruise pier at Lagmannsholmen, Kristiansand. 2016-2017.
- Industrial plant; Kortbølgen 15B Norsk Batteriretur, Øra Fredrikstad. 2016-2017.
- Repair of Rådhusbrygge 2 in Oslo. 2016-2017.
- Snekkevik Kragerø. New Duc d'albe's, bollards and fenders. 2016
- Gismarvik Harbour. Tender consultations for ALTi Bygg og Anlegg as. 2016.

The Project was not started before contract award.

- New Duc d'albe, Øra Borg Harbour. 2016
- New pier for Salmar, Gjørvika Senja. 2016.
- Water supply in Askim, Eidsberg and Trøgstad Comunity. 2016
- Repair of concrete dam. Water reservoir Halden, 2016.
- Quay Pæddekummen Sarpsborg. Design 2015-2016.
- Kronos Titan. Establishment of Constructed Wetland for existing acid tanks. 2015-2016.
- Unger Factories. Establishment of Constructed Wetland for existing acid tanks. 2015-2016.
- The New National Museum NPP. Technical assistance. 2015-2016.
- Leiraveien 15/17, Lillestrøm. Offer Basics for expansion with 5000m^2. 2015.
- Jahrestranda Industrial Park. Study of harbour development in 2015.
- KNM Narvik. Permanent arrangements as museum ship. 2015-2016.
- Strömstad Harbour. Extension of existing quay and upgrading of existing fenders. 2012-2015.
- Herre Timber Terminal in Telemark. 45m extension of existing quay. Pre-design and the Terminals adviser in construction period. 2014-2015.

- Sandnes Harbour. 45m extension of existing quay, Roro-ramp, and fillings. The Harbours adviser during procurement and construction. 2012-2015.
- Larvik Ferry Terminal. Repair damaged erosion protection. ColorLine 2013-2014.
- Alexela Sløvåg, Gulen Sogn og Fjordane. Independent control of new pier for oil tankers design class 3. From 2013 to 2014.
- Floating Pier Park Sørenga, Oslo. Independent control of design. Design class 3. From 2013 to 2014.
- Detail design of 152m container-quay in Borg Harbour in the extension of existing container-quay. 2013-2015
- Extension Study of ship shock in the fairway in the Lower Glomma upstream Borg Harbour. Project in connection with the development next to the river. 2013.
- Quay 5 Kongsgårdsbukta in Kristiansand. Detail design of 91m industrial quay in the extension of existing industrial quay.
- Statens Vegvesen Moss office building. Technical assistance in the preliminary stage 2013.
- Development of Harbour-area in Strømsvika in Mandal. 2013.
- Capacity assessment of existing quay in Harøysund, Romsdal in order to place an offshore crane with self-weight around 500tonn.
- New Island ferry-terminal in Oslo Pipervika, Pier 4. From 2013 to 2014. Description, acquisition and monitoring during construction.
- Containerkai Sjursøya Phase 2. Preliminary project / description of 361m long containerkai. Detailed design of foundations. 2012-2015.
- Pilot project on industrial quay extension at Somaneset the north with approx. 120m length, and associated roro ramp. Sandnes Harbour KF, 2012-2013.
- Container-terminal Glomfjord. Preliminary project. Terje Halsan AS. 2012.
- 70m industrial quay at Lier terminal. Complete design, Project not initiated. 2012.
- Rehabilitation of steel sheet quay at Unicon Drammen. Concept development and description. 2012.
- The Metro-centre in Lørenskog. Assistance for interface management between the overlying block and underlying Mall. 2012.
- Strømstad Harbour. Modification of the current port for new ships with tube, ramp, and dock customization. 2012
- District heating Central Mysen, Østfold. Manufacturing Hall / concrete bunker. 2012
- Svelgen Deep Sea Harbour, Bremanger, Sogn and Fjordane. Pilot project on offshore deep-water quay and facilities for the circulation of ships. 2012.
- Rehabilitation of quay at Yara Glomfjord, Nordland. Assistance to AF Anlegg in adjusting to the concept / design ahead of the contract. 2011-2012
- Pilot project to extend industrial quay / containerkai the south with approx. 152m at the Port Authority, Gauteng 2012.
- New 200T Pullers for Cruise ships in existing quays in the Port of Stavanger. 2011-2012.
- Steinshamn Industry-quay, Sandøy in Møre and Romsdal. Offer Basic. Total contract 2011-2014.
- Pellets and oil Product Storage, Borg Harbour. Pilot project 2011.
- Årvollskogen 65, Rygge. Design of Industrial building 3 200m^2. 2011-2012.
- Årvollskogen 40, Rygge. Design of Industrial building 2 200m^2. 2011
- Sanden Brygge Mandal. Design of residential block 2011-2012.
- Stoveland Bru Mandal. Demolition of existing bridge, design, and erection of new bridge 2011.

- Strømstad Harbour, Sverige. New torsions fender including new foundation and new quay slab in steel. 2011.
- Nedre Malme Pedestrian Bridge in Mandal. Foundation of new bridge 2011.
- Rud High school, Bærum. New building 2010-2011.
- Ski High School, Ski. Extensions 2010
- Sandhamn Fishing Wessel quay, Sande in Møre and Romsdal. Offer Basic and detailed design of 104m quay. General contract 2010-2011.
- 160m Pedestrian Bridge in Mandal. Alternative concepts and development of existing concepts. 2010.
- Thor Dahl quays in Sandefjord. Concept development for AF Anlegg Harbour 2010-2011.
- Offshore Base for the AF group in Mandal. Concept Development 2010-2011.
- Harbourepromenade Sørenga. Concept development of the turnkey Construction for AF Anlegg Harbour, and engineering leader in the construction phase, 2010-2011.
- Ranyard Maritime, Rogaland. Design of quay. AF Anlegg Harbour 2010.
- Valen Bodø, Concept development of quay in turnkey contract. 2010.
- Sydvaranger Industripark. Concept development and function description for complete offshore base in collaboration with AF Anlegg Harbour. 2010.
- Breakwater in Trelleborg, Sweden. Design assistance to AF Anlegg Harbour. 2010
- Vigeland Bridge, Vest Agder. Verification of the flood situation in the construction period. 2010.
- Design of dredging in Västevik Sweden
- ColorLine Terminal at Revet in Larvik. Repair of pier after ship collision. 2010
- Aker Egersund. Design of new test pool for drilling equipment. 2010
- New floating Cruise pier in Olden, Nordfjord. 2010
- Gismerøya, Mandal. Assistance with planning and preparation of drilling rig service base. 2009-2010.
- Frognerstanda 2. Assistance to contractor with rehabilitation of pier including construction of work raft. 2010
- Vestbase Kristiansund. Alternative Predesign and new quay. 2010
- Strømstad Harbour, Sweden. New torsions fender including new foundation. 2010.
- Judaberg Ferry Quay. Hoisting assistance to contractor of 300-ton concrete elements. 2010
- Kvitsøy Ferry Pier. Hoisting assistance to contractor of 300-ton concrete elements. 2010
- Predesign of workshop and garage for Oslo Harbour 2009.
- New 80m quay at Ulstein Verft in Møre and Romsdal 2009-2010.
- Demolition of the inland suspension bridge “Gamle Nautesundet” including stability of barge and lifting operations. AF Decom 2009.
- Removal and demolition of the stranded battleship “Murmansk” including dry dock and breakwater barrier. AF Decom/AF Anlegg Harbour 2009-2011
- Repair of existing pier in Ulvik, Hardanger, 2009.
- New 126m quay at Larsnes Mek. Verksted in Møre and Romsdal 2009-2010.
- New 80m quay at Ranyard Maritime in Randaberg. AF Anlegg Harbour 2009-2010.
- 3 200-m2 Warehouse in Kristiansand. Design concept 2009.
- Verpetveien 27, Vestby. New Warehouse. BN Prosjekt AS 2009-2010.

- Sten and Strøm, Egertorvet, Oslo. New concert arena on top of existing building. BN Prosjekt 2009.
- Horsøy Industri Harbour A/S. New design. AF Anlegg Harbour 2008-2008.
- New Container quay at Revet in Larvik. New design. AF Anlegg Harbour 2008-2010.
- New Container quay in Drammen. Assistance during erection. 2009
- Production hall Aker Solutions. Foundations. AF Anlegg Harbour 2008-2009.
- Kongsgårdsbukta Kristiansand. Control of design. AF Anlegg Harbour 2008-2009.
- Production hall Nexans Langhus. BN Prosjekt 2008.
- Wave breaker in Ystad Sweden. New design. AF Anlegg Harbour 2008.

2004 - **Dr.techn. Olav Olsen a.s**, Project engineer.

- Dicks Veg 14, Bærum. New private pier for J.D. Ulletveit-Moe. 2008
- Coast Center Base nearby Bergen. Alternative quay design. 2008
- New Container quay in Drammen. AF Anlegg Harbour. 2008.
- New concrete pier. Norsk Metallretur, Skien. AF Skandinavia, Contractor.
- New concrete pier. Aker Brevik Construction. AF Skandinavia, Contractor.
- New Bulk terminal at Revet in Larvik. Larvik Harbour.
- New Ferry Terminal for Color Line on Revet in Larvik. Larvik Harbour.
- New concept for lighthouses in Drøbaksundet
- Cargo terminal on Gismerøya in Mandal. Mandal Port of Agder.
- Ferry terminal on Gismerøya in Mandal. Mandal Port of Agder.
- Revierkaia quay. Oslo Harbour.
- The Children Section. The New District Hospital in Akershus. Peab AS, Contractor.
- Tjuvholmen. Durability of concrete structures
- Sofies Hage. Apartments. AF Ragnar Evensen AS, Contractor.
- Stovner Nursing Home. Oslo Health Division.
- Technical approval for tunnel vault in fibreglass/aluminium. Ørsta Stål AS.
- Report on new heliport for Haukeland Hospital (Bergen Health Division).
- Reinforcement drawings on the submerged concrete tunnel in Bjørvika. Statens Vegvesen.
- New Container quay (665m) on Sjursøya. Oslo Harbour.
- Description for drilling of rock tunnels on the hospital A-Hus. PEAB.
- Hausmann Street 23-25, Oslo. Office building. Olav Thon Gruppen.

1998 – 2004 **Rambøll AS** (Scandiaconsult AS/ SCC Bonde & Co AS), Project engineer.

- Kilen Pier, Sandefjord. Pier and apartments on top of pier. AF-Gruppen 2003-2004.
- OPS E39 Lyngdal – Flekkefjord. Coordinator for the project group. Veidekke, 2003.
- The New Norwegian Opera. Third party verification for the whole project. Statsbygg, 2002–2004.
- Pedestrian bridge Nydalen, Oslo. Statens Vegvesen, 2002-2003.
- Main road E6-Østfold, Sarpsborg. Two new crossing bridges and one culvert. Statens Vegvesen, 2002–2003.
- Breivollveien 31. Office building, Oslo. Stenshagen Holding, 2002.
- Parking house/heliport, Ullevål Hospital Oslo. AF-Ragnar Evensen AS, 2002. Not induced
- Oddernestunnel, Buried concrete/steel sheet tunnel in Kristiansand. Veidekke, 2001-2004.
- Parking House SiA Hospital. AF Ragnar Evensen AS, 2001.
- Bjølsenhallen. Rehabilitation. 2001.
- The Innovasjon-Center. New research institution. Ing. Gunnar m. Backe AS, 2000–2001.
- New headquarter for Telenor on Fornebu. Telenor Eiendom, 1999–2000.
- High school of Art in Oslo. Brødrene Jenssen, 1999–2000.
- Lindum Ressurs and Gjenvinning. Compost plant. Veidekke, 1999. Not induced.
- BIR, Bergen. New disposal plant Bergenshalvøens Interkommunale Renholdsverk, 1998–1999.

1996 - 1998 **Christie & Opsahl Entreprenør AS**, Project engineer.

- Extension Kvalheim Laundry A/S. 1998.
- New Pier. Vedde Fish oil and Fishmeal A/S. 1998.
- Extension administrations building. Aukra Industrier A/S. 1997–1998.
- Extension Molde Police Office. Planor Prosjekt A/S. 1997.
- New production hall. Heimdal Eiendom A/S. 1997.
- Foundations for rock plant. Visnes Kalk and Marmorbrudd A/S. 1997.
- New pier. Statens Vegvesen / Ullasund Småbåtlag. 1997.
- New repair shop/office. Langnes Marmorbrudd A/S. 1996–1997.
- New production hall. Sylteosen Betongvarefabrikk A/S. 1996.
- Noise control of rock shatters plant. Visnes Kalk and Marmorbrudd A/S. 1996.