Curriculum Vitae

Arnt Hugo Karlsen

Biographical data



Name	**:** Arnt Hugo Karlsen
Position	**:** General Manager
Education	: Master of Civil Engineering, NTH
Year of birth	**:** 1959
Language	**:** Scandinavian, English

Key qualifications

- **Construction engineering including statical calculations, drawings, tender descriptions and design of both wood, concrete, and steel structures.**
- **Versatile experience from building engineering management of large construction projects with complex structures.**
- **Working in large interdisciplinary teams for both private and public clients.**
- **Both industrial and offshore experiences.**
- **Quay qualifications in steel design and structures.**
- **Expertise in rebuilding of older structures, especially in masonry.**
- **Design of port facilities and marine structures.**

Education

1984	Master of civil engineering (structural), NTH

Professional experience

2013 - Now	Nyvoll Consult as, Full time hired consultant (project engineer) from own company.
2011 - 2013	Nyvoll Consult as and Dr. techn Olav Olsen as. Hired consultant (project engineer) from own company partly to both companies in full time in total.
2000 - 2008	Hjellnes Cowi as, Oslo (Hjellnes Consult as from 2007). Project engineer.
1996 - 2000	SCC Bonde & Co AS, Oslo (Scandiaconsult as from 2000). Project engineer.
1991 - 1996	Multiconsult AS, Oslo.
1989 -1991	Arne Hill A/S, Oslo.
1989	ELU-KONSULT AB, Stockholm.
1986 - 1989	Lund & Aass A/S, Bærum.

Professional experience and projects

2011 - Now **Nyvoll Consult as**, Hired Project Design Manager

- **Bridge over the medieval park.**
  Verification of steel bridge design.
- **Borg Havn Improvement Quay Storage Area North.**
  Design rehabilitation of storage quay after slippage in front.
- **Marex Pier.**
  Design of a Travelift pier for lifting boats during haul-out and lauching.
- **Holtekvartalet Ski.**
  Design of preliminary project for apartments above existing building.
- **Vikaveien 67.**
  Rehabilitation of pier in Arendal after landslide in front.
- **Lifting of pipe bends.**
  Design of steel frame for lifting of pipe bends, 5,2 t, for water supply to Oslo municipality. (AF)
- **Container port Drag, Hamarøy.**
  Design of a pile quay in Drag.
- **RoRo Kai Eydehavn**
  Independent verification of the design of a new RoRo quay in Arendal. (Norconsult)
- **Fendering Filipstad quay, Oslo.**
  Inspection of quay for new fendering for cruise ships for the Port of Oslo.
- **Floating pier Sandvika, Bærum.**
  Design of repair of floating pier for Bærum municipality.
- **Independent verification of the Grunningen Bridge.**
  Independent verification of the design of the bridge in Bispevika, Oslo.
- .**Kai Rødskjær Harstad.**
  Design of a new sheet piling quay at Rødskjær outside Harstad.
- **Dry dock Westcon Yards, Florø.**
  Design of a new dry dock in Florø.
- **Borg Havn Dykdalb 02, Fredrikstad.**
  New diving platform and steel footbridge in Borg Havn as well as new bollards at Tollbodkaia in Fredrikstad.
- **Larsneset Project and Construction Management , Harstad.**
  New pier in the center of Harstad.
- **Hausmanns gate 21, Oslo**
  Conversion of an office building made of cast-in-place concrete. Design- build contract. Contractor: J.I.Bygg AS. Client: HATHON AS.
- **Lindøya Brygge, Oslo**
  Independent verification of the design for Lindøya Brygge.
- **Vestveien 24, Ski.**
  Preliminary project for a new office building in cast-in-place concrete in Ski town center.
- **Brynsalléen 4, Oslo.**
  Design of new level for ventilation rooms for Aberdeen Real Estate.
- **Cement pumping pipeline Sjursøya, Oslo.**
  New cement pumping pipeline in concrete culvert from quay-front to Norcem's plant on Sjursøya. Oslo Harbour.

- **Sville T4, Lillestrøm.**
  Design of concrete superstructures for apartment blocks in 14 levels above basement. Taraldset Eiendom as.
- **Sville T3, Lillestrøm.**
  Design of concrete superstructures for apartment blocks in 9 levels above basement. Taraldset Eiendom as.
- **Hvidstenveien 5, Asker.**
  New foundations for residence subject to sentence damage.
- **Rehabilitation Rådhusbrygge 2, Oslo.**
  Structural design regarding the rehabilitation of Rådhusbrygge 2. Oslo Harbour.
- **Ragn Sells, Lørenskog.**
  Foundation and outbuildings for Ragn Sell's garbage plant.
- **Jessheim Postgård.**
  Underground parking facility/garage and superstructure at Jessheim Postgård, partly new buildings.
- **Nordlie Auto, Moss.**
  Foundation for new car sales facility.
- **Dronningens gate 11, Moss.**
  Control of thermal building physics in new structure.
- **Vollsveien 132, Bærum.**
  Foundation for administration buildings at Øvrevoll Racetrack. Tronrud Entreprenør AS.
- **Hellerudhaugen, Nittedal.**
  Design of concrete parking garage for residential buildings. Tronrud Entreprenør.
- **Løren Stasjon**
  Independent control of concrete foundation/basement of residential buildings. Selvåg.
- **Kjørem Bridge, Kvam.**
  Statical control of formwork for the new bridge at the new E6 in Gudbrandsdalen combined with construction technical auxiliary work in concrete.
- **Jon Sørensens Road 8, Eidsvoll.**
  Design of new concrete support wall at Eidsvoll Upper Secondary School.
- **Rasta Farm, Lørenskog.**
  Design of common underground parking facility in casted concrete with above small houses.
- **Culvert, Flateby.**
  Predesign of culminated pedestrian walkway in connection with new city centre development.
- **Persveien 30, Oslo**
  Conversion of older industrial buildings to bakery.
- **Garage Ekornrud, Jessheim.**
  Design of common underground parking facility in casted concrete with above small houses.
- **Kjensliveien 1, Flateby**
  Design of annex for Ica Grocery store.

2011 - 2013 **Dr. techn. Olav Olsen as**, Hired Project Design Manager.

- **Ullevål Stadium, Norwegian Football Association**
  Design of extension stands for to the west (detailed project with construction site follow-up).
- **Peer Gynt's Road, Moss**
  Care homes in cast and prefabricated concrete.
  Thick marsh, Moss. Commercial buildings in cast and prefabricated concrete.
- **Peer Gynt's Road, Moss**
  Care homes in cast and prefabricated concrete.
- **Teglveien 16, Ski Car and varnish.**
  New addition for car repair shop. Prefabricated steel and concrete.
- **Oslo University College, Statsbygg**
  Design of a new nursing college in cast concrete. Partial new construction and partial rehabilitation of hay blocks from the old national hospital (Pathology Building).
- **Lommedalen School, Bærum Municipality**
  Rebuilding of old wooden building.
- **Ullevål Stadium, Norwegian Football Association**
  Design of expansion stands for 5000 new seats to the west (pre-project).

2000 - 2008 **Hjellnes Consult as**, Project Design Manager.

- **University of Oslo, Department of Informatics 2,**
  Responsible for building a new teaching building for the informatics subjects. The main bearing system is partly of prefabricated concrete and steel structures and partly of cast structures. Total approx. 28000 m^2. **Statsbygg.**
- **Kjørbokollen**
  Foundation for apartment buildings in prefabricated steel and concrete structures as well as the development of a structural concept for top structure above. Community of Kjørbokollen.
- **Sandvika shopping Street.**
  Shopping street between the existing Sandvika Shopping Centre and new buildings beside E18 on the road culvert for E16. Olav Thon Eiendomsselskap ASA.
- **Etterstad Highschool**
  In charge of civil engineering on the new construction part of the project. The structural system consists of prefabricated steel and concrete structures in superstructures. Casted concrete structures in the basement. Undervisningsbygg.
- **Plogveien 1**
  New structures on top of existing office buildings in prefabricated steel and concrete. Plogveien 1 AS.
- **Kjørbokollen**
  Foundations for apartment buildings. Community of Kjørbokollen.
- **Class and meeting rooms in the barn Oxenøen.**
  Conversion of barn of wooden structures into commercial buildings. Norske Skog AS.
- **Kløveberget terrasse**
  Appartsments/Terrace blocks in cast and prefabricated concrete. Martin Olsen AS.

Apotekernes Fellesinnkjøp
Storage hall of 6100 m^2 ground floor as well as offices of 1700m2. Structural system of prefabricated concrete structures and steel. Byggholt a.s.

1996 - 2000 **SCC Bonde & Co as**, Project Engineer.

- **Telenor Fornebu, New Headquarter Telenor**
  Telenor's new Main office at Fornebu. In charge of structural steel at the buildings as well as Telenor Centre west and east. Mainly prefabricated structures in steel and concrete.
- **BIR - Bergenshalvøens Interkommunale Renovasjonsanlegg**
  Waste Plant in Bergen. Steel and concrete structures. In charge of superstructure design, mainly steel structures.
- **Nationalteateret Metro Station, Oslo Sporveier A.S.**
  Extension of platforms at The National Theatre Metro Station. Steel and concrete structures. Partial engineering management.
- **Filipstad Brygge, UNI-Storebrand**
  UNI-STOREBRANDS' new head office. Cast basements and prefabricated superstructures of steel structures and prefabricated concrete.

1991 - 1996 **Multiconsult AS**, Project Engineer.

- **Lillestrøm Railway station.**
  Partial redevelopment of existing station for adaptation to future expansion. The station is an older building in masonry and concrete. NSB.
- **Victoria Terrasse.**
  Reconstruction and rehabilitation of the Ministry of Foreign Affairs' office building in masonry and concrete. Statsbygg
- **Det Norske Veritas, DNV.**
  Design of a new steel stair/lift tower in the existing atrium at the main Building.
- **Troll Phase I – Onshore Plant.**
  Design of foundations for varying steel structures at the gas landing terminal at Kårstø. Shell.
- **Heidrun TLP.**
  Concrete design of Tether Porch and MSB on the Heidrun platform. Tether Porch is the area where the tension rods anchor the platform. MSB are the main beams in concrete that carry the topside. Norwegian Contractors.
- **Troll Detailed Design.**
  Deputy leader of the upper ball shell group on the Troll platform. Norwegian Contractors.
- **Sleipner A.**
  Dimensioning of concrete formwork elements for upper ball shells on the Sleipner A platform. Norwegian Contractors.

1989 - 1991 **Arne Hill AS**, Project Engineer.

- **Glasmagasinet, Building Stage II, Made In, Coronado**
  Office and commercial buildings with a steel carrying system. Partly a conversion and adaptation to existing structures.
- **Nya Knutepunkten**
  Hotel in Helsingborg with structural steel system, precast concrete elements, and prefabricated shafts in concrete.

1989 **ELU Konsult AB**, Project Engineer.

- **Frøsundavik Hotel- Conference Centre**
  Hotel and conference centre in Stockholm consisting of new buildings in cast concrete as well as rebuilding of older buildings in masonry.

1986 - 1989 **Lund & Aass A/S**, Project Engineer.

- **Aker Brygge, Building Part II,**
  Offices and homes in prefabricated and casted concrete. Partial steel structures. Selmer.
- **I/S Forlagssentralen**
  High storage for books and offices in cast and prefabricated concrete. Aschehoug og Gyldenlags forlag.