

**Born**

1985 Køge, DK

**Position**Engineer  
henrik-innovation ApS**Education**M. SC Engineering  
(Architectural Engineering)  
Technical University of Denmark  
2013BSc. (Architectural Engineering)  
Technical University of Denmark  
2010**Courses**Graduate Certificate (Urban &  
Regional Planning)  
University of Queensland  
2015PRINCE2 – Foundation  
Project management  
2013**Memberships**IDA  
The Danish Society of Engineers

DTU Alumneforening

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**Private**Live in Nørrebro and spend my  
time with family, friends and on  
my hobby of diving.**Daniel Løvborg***Curriculum vitae*

Daniel is M.Sc. in Architectural Engineering with a specialty in energy and indoor climate from the Technical University of Denmark, in addition Daniel has education and experience in teaching, dissemination and management. Daniel has experience with engineering consultancy regarding low energy and sustainable design for which he has conducted energy and indoor climate simulations (thermal, air quality and daylight), in various kinds of construction, as well as planning of HVAC related installations such as water, heating installations and ventilation.

Daniel has worked on projects ranging from housing to institutions (nursing homes, school, day care and recreation centers) and office construction from small to relatively large constructions.

Daniel has a well-planned, structured and technical approach to his assignments and through his extensive education he is able to acquire knowledge and put it effectively into use in building related projects.

**MAIN COMPETENCES**

- Integrated energy design and sustainability in the built environment
- HVAC planning and dimensioning
- Indoor climate optimization

**SPROG**

	Speech	Read	Write
English	Negotiation level	Negotiation level	Negotiation level

**PRIMARY EMPLOYMENTS**

2019 -	<b>Engineer, henrik-innovation ApS</b> Integrated energy regarding design daylight, ventilation strategies, energy and installations on projects on a small to large scale as well as development of concept buildings. Development and documentation of sustainable and innovative projects.
2016 – 2018	<b>Teacher and engineer, Marine Conservation Philippines (NGO)</b> On-site engineer with the design and management of local building projects for the organization. Teaching and training of both volunteers from around the world and colleagues in marine monitoring and protection as well as diving.
2014	<b>Project Engineer Lemming &amp; Eriksson Consulting engineering. A/S</b> HVAC engineer and indoor climate specialist with responsibility for designing HVAC installations and ventilation as well as simulation of indoor climate and energy for particularly large institutional and research buildings.
2013	<b>Engineer, Eduard Troelsgård Consulting Engineers A/S</b> HVAC engineer on renovation of a number of conservation-worthy buildings in Copenhagen, as well as planning and indoor climate simulation of new projects.
2009 -2012	<b>Study assistant, Esbensen Consulting Engineers A/S.</b> Preparation of calculation, simulation, sketching, research and reporting tasks related to low-energy and sustainable construction, as well as energy renovation.
2008	<b>Engineering intern, bachelor's degree, Esbensen Consulting Ing. A/S</b> Assisted professional engineers with calculation and sketching assignments on competition projects, as well as energy and indoor climate related projects.

**Daniel Løvborg***Curriculum vitae***UDVALGTE PROJEKT-REFERENCER**

- 2019 - **World Trade Center - Ballerup.** Client advice on utilization of wind energy, indoor climate strategy, etc. in connection with a 20,000 m<sup>2</sup> high-rise construction as part of the expansion of WTC's facilities in Ballerup.
- 2019 - **Rodam - Living.** Development of an annex construction concept for private individuals with a focus on modular based elements of both building envelope and HVAC installations for simple installation by few craftsmen.
- 2018 - **Agorahaverne.** Development of indoor climate strategy for senior living communities with large atrium gardens for Rasmus Friis A/S. Simulations of indoor climate conditions and the development of technical solutions.
- 2017 - **Tunnelfabrikken - Nordhavn.** Renovation of former industrial building of 50,000 m<sup>2</sup>. Energy, indoor climate and sustainability strategy for developers in collaboration with Arcgency, DTU and other research and teaching institutions around the innovative aspects of the concept.
- 2014 **Frydenholm Nursing Home.** Responsibility for planning of HVAC strategies and installations for 2,800 m<sup>2</sup> nursing home for 60 residents for HHM Entreprise A/S. Simulation of energy and indoor climate conditions and coordination with the rest of the design team. Renovation and integration of older construction with the new nursing home.
- 2014 **Aarhus University Health.** Design of utility water, heating, ventilation and special water installations for 3,000 m<sup>2</sup> of research facilities for the Institute of Biomedicine.
- 2014 **ATP Ejendomme Udbetaling Danmark.** Energy calculations and dimensioning of heating system for larger office facility with focus on energy efficiency.
- 2014 **Ebberød Nursing Home.** Design of HVAC installations for competition project with Vilhelm Lauritzen A/S.
- 2013 **Hallehol Church (N).** Integrated energy design with project team and elaboration of heating strategy, planning of water and heat supply and distribution in larger modern church incl. associated facilities in Norway.
- 2013 **Tranehavevej Daycare.** Master's thesis from DTU based on project for Esbensen Consulting Engineers regarding integrated energy design and BIM model design, transfer between software and energy and indoor climate simulations.
- 2009 **Statoil - new headquarters in Oslo.** Assistance with energy consultancy regarding daylight and indoor climate for a project of 117,000 m<sup>2</sup> with 25% lower energy consumption than required by Norwegian energy regulations in collaboration with A-lab Oslo.
- 2008 **Lysaker Park (N).** Assistance to professional engineers with calculations for the renovation of existing office building for Norwegian energy class B for a total of 70,000 m<sup>2</sup>. Lysaker Park has been named winner of the City Prize 2010 in Oslo.