

# IVAR SOARES URDALEN



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## Summary:

- 5-years experience as Water Engineer doing design of water and wastewater treatment plants and networks. Work experience from Norway's leading consulting engineering companies.
- Management experience in small business implementing new strategy.
- MSc in Civil and Environmental Engineering from NTNU (2015), Trondheim with excellent academic results. Exchange studies in Brazil and additional courses.

## Key Qualifications:

- Multi-disciplinary skills (engineering, IT, economics, language, project management and business development)
- Great analytical skills and experience with analysis and engineering design with digital tools (Excel VBA/Python).
- Learn fast (learned fluent Portuguese in under 6 months)
- High working capacity (Last year of studies at NTNU was finished during full time job)

## EXPERIENCE:

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08.2017 – Now	<b>MSc Water Engineer, Rambøll Norway, Drammen</b> <a href="http://www.ramboll.com">www.ramboll.com</a> <ul style="list-style-type: none"><li>- Design of water and wastewater treatment plants and networks using digital tools. Tasks: Design (3D/CAD/BIM), Project Management, Tender documents, Water and Wastewater Treatment, Water Supply, Stormwater Management. Leading innovative IT initiatives for digitalization</li></ul>
08.2015 – 07.2017	<b>Project Manager, Aqua Unique Norway</b> <a href="http://www.aun.as">www.aun.as</a> / <a href="http://www.aquauniqueafrica.com">www.aquauniqueafrica.com</a> Responsible for projects at equipment supplier <ul style="list-style-type: none"><li>- Experience with project economics, market research, technical solutions, contracts, customer follow-up, logistics, supplier negotiations, marketing, strategy and recruitment.</li><li>- Development of Excel spreadsheets for project budgets, pricing models, supplier comparison, technical design, etc.</li><li>- Technical design for projects in Uganda / East-Africa.</li></ul>
08.2014 – 09.2015	<b>Water/Wastewater Treatment Engineer at Asplan Viak, Sandvika</b> <a href="http://www.asplanviak.no">www.asplanviak.no</a> <ul style="list-style-type: none"><li>- <u>Upgrade of the second biggest WTP in Norway (Langevatn)</u> Estimated construction costs: USD 125 million Tasks: Electrical design and Process control, Design, 3D CAD modelling, Material Takeoff, P&amp;ID, Tender documents</li><li>- <u>Upgrade of Kristiansand WWTP, Norway</u> Estimated construction costs: USD 50 million Tasks: Design, 3D CAD modelling, Material Takeoff, P&amp;ID, Tender documents</li></ul>

- 06.2012 – 08.2012: **Internship at COWI Water/Wastewater Engineering, Oslo** – [www.cowi.no](http://www.cowi.no)  
- Design of water distribution systems  
- CAD modelling (Autodesk Civil 3D and Novapoint)
- 06.2011 – 08.2011 **Internship at Bergen Water KF, Bergen**  
- Operation and water quality analysis at water treatment plants
- 06.2009 - 08.2009 **Internship at Silicon Labs (startup company), Oslo** – [www.silabs.com](http://www.silabs.com)  
- C programming for development kit

#### EDUCATION:

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- 08.2010 – 06.2015 **MSc Civil and Environmental Engineering at NTNU, Trondheim, Norway**  
Specialization: Water and Wastewater Engineering  
Grade: A  
Additional courses in Hydrogeology and Finance.
- 03.2014 – 07.2014 **Exchange: Federal University of Santa Catarina, Florianópolis, Brazil**
- 01.2013 – 06.2013 **Spanish and Portuguese studies in South America**
- 08.2008 – 06.2009 **Technical Cybernetics at NTNU, Trondheim, Norway**  
Grade (1<sup>st</sup> year): A
- 08.2004 – 06.2007 **Notodden High School i Notodden, Telemark, Norway**
- 08.2005 – 06.2006 **Mitchell High School in Indiana, USA**  
High School exchange studies

#### AWARDS:

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- 04.2007 Winner of Norwegian Informatics Olympiad ([nio.no](http://nio.no))  
Algorithmic Programming Competition for High School Students (C++ Programming)  
Qualified for Baltic Informatics Olympiad and International Olympiad in Informatics.

#### ADDITIONAL COURSES:

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- 12.2015 UNESCO-IHE – Industrial Effluent Treatment, Online Course
- 05.2013 TU Delft – Water and Wastewater Treatment, Online Course, edX
- 11.2013 ATHENS Course – “Environmental Biotechnology”, Prague, Czech Republic
- 11.2012 ATHENS Course – “European Water and Sanitation Services vs Sustainable Development”, Paris, France
- 07.2011 BEST Course “Green Future» w/ theme: Sustainable Development in Iasi, Romania  
([Board of European Students of Technology](#))

#### LANGUAGES:

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English – speak and write fluently	Spanish – good understanding
Portuguese – speak and write fluently	Norwegian – native language

#### COMPUTER SKILLS:

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Advanced data analysis and VBA programming in Excel  
Experience with civil engineering software: AutoCAD, Revit, Civil 3D, Navisworks  
Modeling software: EPANET, SWMM, MIKE URBAN, HEC-RAS, HY8.  
Good programming skills in C++, Python, R and Matlab.

#### OTHER INTERESTS:

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Water (enjoy water in the natural environment)☺ languages and travel.

#### REFERENCE:

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Will be provided upon request.