



Representing
FIDIC in Europe



EFCA
YOUNG PROFESSIONAL OF THE YEAR
2019

Personal details / Entry Form

Full name: Gitte Gylling Olesen

Nationality: Danish

Birthday: 25.05.1983

Age as of 31/03/2019: 35

Company: Ramboll

Location: Aarhus, Denmark

Member Association: The Danish Association of Consulting Engineers (FRI)

Contact details

E-mail address: gggho@ramboll.dk

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Instructions for completing this form



Note to candidates

Each section and sub-section may be expanded as required. The completed entry form should be no longer than **16 pages in total**. Section A is to be completed by your employer, and Section C by the client.

All entries should be submitted in English. Any annexes in other languages should be accompanied by an English translation or will not be taken into account.

The form should be returned to your national association. They will forward it to the EFCA Secretariat.

You will be informed of the results of the competition at end of April 2019.

Good luck!

For those participating in the FIDIC YP competition

The requirements stipulated in the respective EFCA and FIDIC YP competitions coincide largely for 75%. The following three FIDIC competition requirements are entirely covered in the EFCA application:

- Technical achievements (see Section B in this template) (50%)
What is 30% for EFCA
- Leadership achievements (see Section C in this template) (15%)
What is 40% for EFCA
- Social and community contributions (see Section B in this template) (10%)
What is 30% for EFCA

However, EFCA YPs interested in submitting an application for the FIDIC YP competition should complement their EFCA application with the following two extra requirements.

Applicants should demonstrate:

- Contributions to consulting engineering industry (15%)
- Contribution to consulting engineering associations (10%)

Section A. EMPLOYER'S RECOMMENDATION

Gitte is one of Ramboll's most prominent specialists in sustainability and is a professional beacon, both internally and externally.

Gitte is remarkable at collaborating across subject and geography – and is key figure in Ramboll's national sustainability network. Throughout her time in Ramboll she has persistently driven change and been a central person in the design and implementation of our sustainability strategy – and is therefore much in demand as a sparring partner for Ramboll's management.

She is recognized in the industry for her knowledge and professionalism, and for her ability to convey and communicate, thus putting sustainability on the agenda both internally in Ramboll, as well as among clients and business partners.

Gitte has actively contributed to growth of Ramboll's range of sustainability services including:

- Sustainability certification of several distinctive buildings, most recently Middelfart City Hall, which is Denmark's first building achieving both DGNB Platinum and DGNB Diamond certifications (Danish sustainability rating system).
- Sustainability consultancy on strategies for a series of private and public companies regarding both buildings and urban areas, e.g. Bestseller, LEGO, Danfoss and ARLA.
- Ramboll Denmark representative in development of the Global Ramboll Sustainability in Buildings Strategy and steering group Ramboll Denmark Sustainable Buildings.
- Documentation of building materials that show a product's connection to certification criteria for Troldekt, Dovista/VELFAC, Junckers and Phoenix Tag among others.

Gitte is also included as a central part of the department management where she is displaying strong leadership and management potential in disciplinary and social senses.

We are convinced that Gitte's competencies will also continue to contribute to emphasizing Ramboll's role as the leading consultancy for sustainability, and to strengthening this focus as an even more integrated part of Ramboll's services, and thus anchoring sustainability-thinking among our employees in general.

Name: Jakob Gottlieb

Job title: Head of Department, Public & Private buildings, Aarhus

Managerial relationship to candidate: Direct Manager for Gitte

Section B. THE PROJECT

B.1 Project description:

Middelfart City Hall and City Centre

In 2017 Middelfart Municipality moved into an integrated city center with both town halls, shops and housing. The new city center is located on Nytorv towards the Middelfart waterfront and with a view of the Little Belt Bridge. In addition, the Town Hall functions as a "town house", where rooms on the ground floor can be used by associations and the city's citizens for local events. At the same time, it is the vision that the town hall should be an energetic dynamo for green development and growth.

The building signals external openness and community, and meets the latest technical standards within sustainability, choice of materials, energy consumption and other environmental considerations.

Sustainability Management

The municipality's new city hall is the first construction in Denmark certified by both DGNB Platinum and Diamant. DGNB Platinum is the highest rating of sustainability in the voluntary sustainable buildings certification system while DGNB Diamant is a new system for assessment of architectural quality in sustainable buildings.

An important prerequisite for the successful project has been close cooperation between architect and engineer. Parallel between architects and engineers in the field is new in the industry and this approach to collaboration has shortened the distance between the parties involved in favor of the entire team and project possibilities and result. Thus, from the initial stages of the project, aspects of both



Building owner: Middelfart Kommune, Kulturøens Bycenter A/S, Hexagon Ejendomme

Consultants: Engineer Rambøll A/S (Odense), Architect Henning Larsen Architects A/S, Landscape LIW Planning

DGNB Auditor and Sustainability Management: Ramboll (lead) and Henning Larsen Architects

Contractor: 5E Byg A/S

Area: 17000 m²

Construction costs: 300.000.000 dkr.

Construction period: February 2015 - July 2017

environmental, economic, social and technical sustainability have been taken into consideration, which has been the decisive factor for Middelfart City Hall to be in the top three of the country's most sustainable within the DGNB scheme.



B.2 Innovative characteristics of the project:

Building owners approach to sustainability

Already from the beginning of the project - prior to any design decisions – the building owner had a determined view on sustainability. Middelfart was already an ambitious Municipality focusing on sustainability on several levels. DGNB gave them a model to implement measurable sustainability aspects already during the tendering phase.

“The DGNB concept has given us a sound management model to ensure we have something concrete to go for. We have had a framework to work with in relation to the level of sustainability we would like to achieve with this building and the vision for this building.”

Henrik Mott Frandsen, Chief of Working Environment, Middelfart Municipality

DGNB certification as driver for integrated design process

The DGNB certification system has, from the beginning functioned as a driver for the integrated design process between architects, engineers and total contractor. The system has helped establish language, measures and goals and thereby supported the ambitious

	Glasulplader	Stenulplader	Gipsplader	Træbetonplader	Skifer	Aluminium	Forseglet zink	Kobber
	<p>ECOPHON Focus Focus De loftplader er fremstillet af et glasul, og den yverste overflade er behandlet med en transparent akustikbehandling. Pladerne monteres i et stykt aluminium, så loftet får et gult udseende.</p>	<p>SONAR SYSTEMLOFT Systemloft baseret på mineraluld. Pladerne monteres med trykklips-samlinger. Akustisk regulering er indbygget i produktet.</p>	<p>GYPROC GIPSLOFT Gypoc systemlofter tilpasset både trykklips og klipskåle-samlinger. Pladerne har gennemgående huller, som i kombination med den bæredygtige akustikdug giver acceptabel akustiske oplysninger.</p>	<p>TRØLDEKENT LOFT Systemloft med trykklips-samlinger. Monteres med akustikregulering som underlag.</p>				
Arkitektur, Patnering og behov for vedligeholdelse DGNB-kriterier: 4.5	Jævn og monotont udseende. Smukt kan samle sig omkring ventilationsdysse. Manuelt rengøring efter behov. Giver et udtryk af høj kvalitet.	Smukt omkring ventilationsdysse. Manuelt rengøring efter behov. Giver et udtryk af høj kvalitet.	Belæst af høj luftfugtighed og varme. Manuelt rengøring efter behov. Udtryk kan være uligligt.	Støv kan samle sig på grund af porøsitet og kræver manuelt rengøring. Giver et udtryk af mindre kvalitet.	Naturmateriale med god tæthed - trykklips holder sig i de bygninger, der er mest udsatte for vand. Vedligeholdelse, men kræver anlægsarbejde. Kan behandles for alternative farver.	Let materiale, men patnerer ikke, så skit vises tydeligt. Vedligeholdelse, men kræver anlægsarbejde. Kan behandles for alternative farver.	Identitetsgivende med sit markante udtryk, som står i kontrast til de mere moderne bygninger. Vedligeholdelse, men kræver anlægsarbejde.	Mere ædel metal, patnerer meget smukt. Inngrebet er et stort problem. Vedligeholdelse, men kræver anlægsarbejde.
Life Cycle Assessment (LCA) DGNB-kriterier: 1-5	Fremstillet i høj grad med plantebaseret indhold, som erstat for det petroleumbaserede. Består af 70 - 80% genbrugs materiale.	Centralt som bionedbrudt. Består af 30% genbrugs materiale.	Består af 13% genbrugs materiale. Bæredygtig indhold (mineraluld) miljø påvirkning indholdet i en LCA beregning.	Består af 2% genbrugs materiale.	Personaleværdi: P = 0,00419	Personaleværdi: P = 0,00446	Personaleværdi: P = 0,00589	Personaleværdi: P = 0,00537
Lokal miljøpåvirkning og indeklima DGNB-kriterier: 6, 20, 21	Vandbaseret coating- og lakeringsmiddel. God akustik og lysindfald. Her Dansk Indeklima Mærkning.	Overholder EU-krav om afgivelse af formaldehyd. God akustik og lysindfald. Her Dansk Indeklima Mærkning.	Minde akustisk absorptionsniveau. Her Dansk Indeklima Mærkning.	Kan til en vis grad afgive fibre og partikler. Her gode akustiske egenskaber. Her Dansk Indeklima Mærkning.	Mineralisk materiale (sten) med regional ghiv (Horden). Ingen toksiske påvirkninger af farvestoffer. Anticorrosion skal gøres og jævnligt genopføres.	Let metal; partikler nedfaldes på metalen derved ikke ved høj. Anticorrosion skal gøres og jævnligt genopføres.	Rå zink er problematisk ft. nedbrydning - derfor vælges et produkt med lak, som reducerer med 50% Anticorrosion skal gøres og jævnligt genopføres.	Tungmetal; vandfærdige fæder (særligt horisontale) påvirker lokalitet negativt. Anticorrosion skal gøres og jævnligt genopføres.
Løvetider og End-of-life ressourcehåndtering DGNB-kriterier: 1-5 & 42	Let demonteres. Løvetid ca. 50 år. Bortskaffelse ved demontering. Både genbrugs og nedbrydning kan downcycles til genbrug som landstøttemateriale.	Let demonteres. Kan genbruges og genbruges til lignende materialer. Løvetid ca. 50 år.	Kan demonteres. Løvetid ca. 50 år. Spild og nedbrydning genbruges til nye gipsplader eller gips og jordforbedning i landbrug.	Biomassen kan genbruges til jordforbedning i landbrug. Løvetid ca. 50 år.	Løvetid: >100 år. Hvis mekanisk monteret (ingen lim) kan alle genbruges med høj værdi i videnskab.	Løvetid: ca. 50 år. Hvis mekanisk monteret (ingen lim) kan alle genbruges med høj værdi i videnskab.	Løvetid: ca. 50 år. Hvis mekanisk monteret (ingen lim) kan alle genbruges med høj værdi i videnskab.	Løvetid: ca. 80 år. Hvis mekanisk monteret (ingen lim) kan alle genbruges med høj værdi i videnskab.

project and process from the beginning. Various methods and tools for weighing different qualities of sustainability were developed and found useable for qualifying the cross-disciplinary understanding of the solutions in plan. The material scheme above is an example of how increased level of knowledge on several aspects (e.g. surface characteristics, patina, life cycle assessment, local environmental impact, lifetime of materials and end-of-life scenarios) enhance transparency of sustainability and eases the decision process.

This focus did also lead to a project integrated focus on collaboration in to the construction phase strengthening focus on quality and minimizing risks during construction and commissioning phase.

Awarded First DGNB Diamond

The DGNB diamond system is an attempt to establish a more measurable language within architectural quality of DGNB certified buildings to support architectural quality as a means of sustainability as well. The project has been a part of the pilot testing process for this new scheme where a panel of three architect profession judges visited the buildings and rated it on Functionality, Durability and Beauty on three scales, namely Place, Disposition and Detailing. Experiences developed from this testing phase have positively contributed to the further development and qualification of the DGNB Diamond certification where Gitte has been an integral part of gaining from the knowledge build.

Case in bridging the gap between consultancy and academia

Often, the buildings we design and build are 'let go of' from the consultancy side once the building has been handed over to the client. However, the Middelfart City Hall project has agreed to become a unique case study to be unfolded through a strategic partnership collaboration between Ramboll and Copenhagen Business School. The focus is on exploring the effects of the building when in use. How is the experience? How do employees feel? Do they have less sick days compared to non-sustainability non-certified buildings?

The work adds to the knowledge pool in the development of the Ramboll liveable buildings initiative as well as the new development project on social commissioning approach – both partly initiated and driven by Gitte in collaboration across various discipline professionals.

B.3 The YP's role in, and specific contribution to, the project:

Through the project Gitte has been the driving force in creating a building in where both environmental, social, economic, technical and processual sustainability qualities are in focus. Her sustainability management has led the process to a well-functioning building. Integration, collaboration and knowledge sharing has been her mantra through the process. Gitte has worked as DGNB auditor for the project in a collaborative role with Henning Larsen Architects. Together they, as experts in the sustainability certification system, collaborated on a wide range of aspects to aim at a successful integration of holistic sustainability. Cooperation on the role of auditors is not the usual process, but in an ambitious project with complex solutions, this kind of collaboration has been a major force and huge enabler. Sustainability touches on every discipline in a project and Gitte has sought to enable synergies between them to create solutions of high quality for the daily users of the building.

Gitte has also focused on sustainability in the execution phase of through teaching of contractors and subcontractors, dialogue on solutions, coordinating and collecting documentation. Her aim was to ensure that construction met the ambitious demands of the design. Too often, visions of sustainable solutions are scaled-down or rejected when demands on savings arise.

The DGNB Auditor role is also the link between DGNB Denmark and the building project itself. With her knowledge from this and other projects she contributes her knowledge as a member of Danish DGNB manuals Standards Committee.

B.4 Communication with the client/end user:

From the very beginning of the design process, Ramboll has had a strong focus on clients need through creating common understanding and language. First, needs were met through design choices following the strong tender description and after winning the project the dialogue continued into a more user centered and need based process. For that purpose, the use of visuals, diagrams, tables and rough calculations proved to be qualifying tools to strengthen the depth of dialogue, needs identification and collaboration with the client.

From DGNB Gold to DGNB Platinum ambitions

After winning the Total Contractor Competition there has been a dialogue close with the client to work on with the design to meet their needs. During this process a desire to be even more ambitious on sustainability agenda arose. Following the ambition on level of DGNB certification was raised from Gold to Platinum adding both timely and quality demands to solutions, products and extent of documentation which the Municipality agreed to bear.

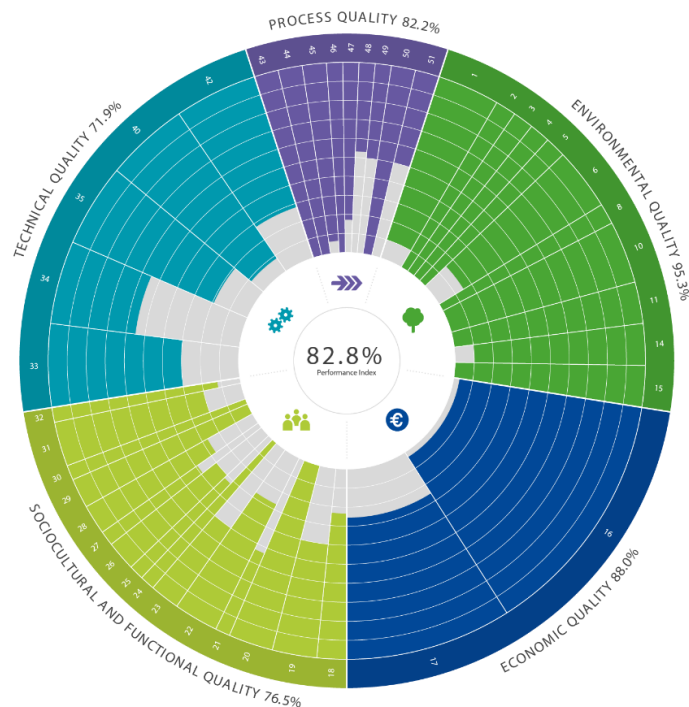
B.5 Describe the project end results and the benefits to the client/end user:

DGNB Platinum certification – amongst the best

A very concrete outcome of the project is the DGNB certificate illustrating the results of the certification and the DGNB Diamond certificate. The certifications have proved valuable to the entire project team and especially the client has benefitted from being central pioneer in the ongoing knowledge sharing and development of sustainable buildings in public and municipal context.

Measuring the actual solutions

In a DGNB certification the build solutions are measured. It creates an increased focus on the fact that the



construction is in fact of a quality that can live up to the level of expectations set during vision and design. Among other things, the following are measured: formaldehyde / VOC (air quality / degassing from materials and products in the building), density of the climate screen (blower door + thermography), acoustics and noise, moisture content in materials and performance test regarding commissioning of the building systems.

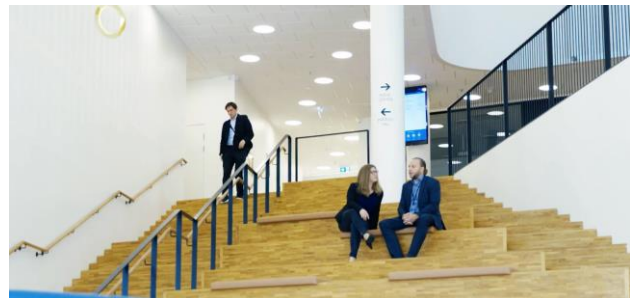
“A huge force working with DGNB certification is that we are not just talking about what we want, but that we actually measure it afterwards and we document that what we have set as a requirement in advance is a house, it's not just something we talk about and believe in or count on by the desk we measure afterwards. I think this has been a clear boost to the quality of construction.”

Henrik Mott Frandsen, Chief of Working Environment, Middelfart Municipality

DGNB system focus on quality in commissioning of technical systems

Successful commissioning of technical facilities is crucial for ensuring as optimal operation of the building as possible. In the project, on initial commissioning, they were challenges in that two of the large ventilation systems did not deliver the required performance / performance. The requirements in the DGNB certification focused on the fact that the construction could not be handed to the client before systems delivered the promised performance. Before these were properly adjusted and commissioned, the energy label and the as-build energy frame could not be completed. DGNB thus has a major / decisive role in ensuring focus on as optimal operating possibilities as possible. Gitte handled this process and dialogue with the different disciplines, contractors and stakeholders to finally deliver a compliant building, optimized for operation by low maintenance/operation costs and reduced risk for the client.

Ramboll focus case: The Sustainable Society // A thought through city hall



Ramboll uses Middelfart City Hall as an exemplary case for development tendencies in the sustainable society. Besides a dedicated homepage a video was created in collaboration with client telling facts about qualities in sustainability certification and sustainable solutions.

The annual Danish Green Building Council Winter 2019 meeting was held in the building creating a beautiful scenery for 150 professionals sharing knowledge and discussing the future of sustainable buildings and the deployment of UN Sustainable Development Goals.

The massive attention brought by this attention has provided positive exposure to both Middelfart Municipality and to Ramboll – and especially also to the agenda on development of sustainable societies, buildings and solutions.

Section C. CLIENT'S APPRECIATION OF THE CANDIDATE

"Gitte was Project Manager for the DGNB certification of our new city hall in Middelfart, Denmark. A project covering 9500 m² with office areas, citizen service center, meeting rooms and the city council conference hall.

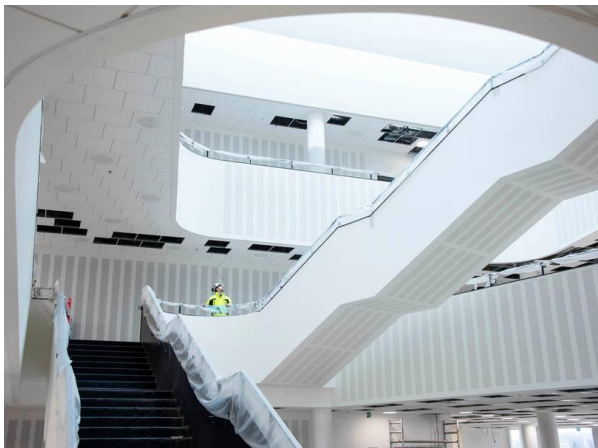
Gitte has been very dedicated to the project from the start and we have clearly felt her strong and enthusiastic drive. She has found solutions and shown the way, with the result that Middelfart's new city hall has received the DGNB Platinum and Diamond certifications, as the first public building in Denmark.

It's been easy to work with Gitte, she is good at communicating and is friendly with a good sense of humor, and this meant that she successfully encouraged the contractors, architects and building owners to work well together.

Gitte's strong analytic capabilities have ensured that the right solutions were found – and that the project reached its target as desired.

I am certain that Gitte in her career will go on to manage even larger projects than the Middelfart City Hall and will achieve success with them.

I highly recommend Gitte to other projects in the future".



Name and signature: Anders Troelsen

Job title: Internal Client Consultant

Company: Middelfart Municipality

Section D. CV OF THE CANDIDATE

Curriculum Vitae



"I am motivated by creating human oriented sustainable solutions of high quality, I thrive in interdisciplinary environments and I am challenged positively by the complexity of the resource challenges - social, economic and environmental – society is facing."

Gitte Gylling Olesen

Personal information

First name(s) / Family name(s)

Gitte Gylling Hammershøj Olesen

Business Address

Olof Palmes Allé 22, 8200 Aarhus N, Denmark

Phone number(s)

+45 51612014

Cell: +45 51612014

E-mail address

ggho@ramboll.dk

Nationality

Danish

Date of birth

25.05.1983

Work experience

Dates

2018 >>

Occupation or position held

Teacher at the Sustainability Management Course, Danish Green Building Council

Main activities and responsibilities

Teaching sustainability management based on project experience through a broad range of projects, amongst these Middelfart Rådhus, Rambøll Domicil Esbjerg, Life Cycle Engineering and in bodied carbon studies and sustainability on the construction site.

Name and address of employer

Green Building Council Denmark, Frederiksborggade 22, 1360 Copenhagen

Type of business or sector

Building sector across disciplines in Denmark

Dates

2018 - 2022

Occupation or position held

Appointed Censor at Aalborg University

Main activities and responsibilities

Censor for 3rd semester Bachelor (2018) 5 students
Censor for 2nd semester MSc, Lighting Design (2018) 12 students
Censor for 3rd semester Bachelor, Architecture (2018) 12 students

Name and address of employer

Aalborg University, Frederik Bajers Vej 5, Postboks 159, 9100 Aalborg

Type of business or sector

University and Research Institution

Dates

1st January 2018 >>

Occupation or position held

Chief Specialist Manager for Sustainable Buildings

Main activities and responsibilities

Project manager on sustainability projects, sustainability certification, building environmental quality, bespoke sustainability strategies, client consultancy, tender projects and competitions. DGNB Auditor, project manager and steering group member for Rambøll Denmark's Knowledge Centre for Sustainable buildings and sustainability specialist judge for national and international competitions.

Name and address of employer

Rambøll Denmark, Olof Palmes Allé 22, 8200 Aarhus N, Denmark

Type of business or sector

Engineering, Design and Consultancy / Building Industry



Dates	1 st April 2016 – 31 st December 2017
Occupation or position held	Senior Project Manager for Sustainable Buildings
Main activities and responsibilities	Project manager, tailor-made sustainability, DGNB Auditor, offers and competitions, client consultant and professional judges in architectural competitions.
Name and address of employer	Rambøll Denmark, Olof Plumes Allé 22, 8200 Aarhus N, Denmark
Type of business or sector	Engineering, Design and Consultancy / Building Industry

Dates	1 st January 2014 – 30 th March 2016
Occupation or position held	Sustainability Consultant and Architect
Main activities and responsibilities	Formulation and development of sustainability strategy and design catalog, PQ material, advice, integrated design, daylight, indoor climate and energy.
Name and address of employer	RUM Architects, Emil Møllers Gade 41B, 8700 Horsens, Denmark
Type of business or sector	Architectural firm, Building Industry

Dates	1 st December 2009 – 31 th December 2013
Occupation or position held	Industrial PhD position
Main activities and responsibilities	Definition, development, implementation and communication of the measuring program / method MIMA. Collection, compilation, analysis and communication of quantitative and qualitative data from measurements of eight demonstration houses (MIMA). Monthly reports. Scientific publications, lectures and conference presentations. Coordinator for and work with collection, compilation, analysis and communication of quantitative and qualitative data from measurements of eight demonstration houses (MIMA). Communication about the projects across the business group and the referent in the group building materials network.
Name and address of employer	Partnership between: VELUX Group, Ådalsvej 99, 2970 Hørsholm VKR Holding A/S, Breettevej 18, 2970 Hørsholm Aalborg University, Frederik Bajers Vej 5, Postboks 159, 9100 Aalborg
Type of business or sector	Research and Education and Building Product Industry

Education and training

Dates	September - November 2017
Title of qualification awarded	“Thought Leadership Training”, Media and Social Media training
Principal subjects/occupational skills covered	Media training course in film and video interview situations, clear and articulated verbal communication. Branding and Social Media training with focus on concrete and directed messages and communicable formulation.
Name and type of organisation providing education and training	Advice / Advising consultancy within Marketing, Communication, Social Media, Branding and more... Thomas Beck Sørensen, Director and Partner; Rikke Østergaard, Head of Content and Brand
Dates	June 2017
Title of qualification awarded	DGNB Auditor Brush Up Courses on Housing and Education Buildings
Principal subjects/occupational skills covered	LCA (Life Cycle Analysis) course in conducting building project scale LCA in various project phases LCC (life Cycle Calculation) course in conducting building project scale LCC in various project phases Documentation Handling Course
Name and type of organisation providing education and training	Green Building Council Denmark, Frederiksborggade 22, 1360 Copenhagen
Dates	April 2016 and September 2016
Title of qualification awarded	DGNB Auditor Course

Principal subjects/occupational skills covered	LCA (Life Cycle Analysis) course in conducting building project scale LCA in various project phases LCC (life Cycle Calculation) course in conducting building project scale LCC in various project phases Documentation Handling Course for skills development in project management of DGNB sustainability certification projects
Name and type of organisation providing education and training	Green Building Council Denmark, Frederiksborggade 22, 1360 Copenhagen
Dates	March and April 2016
Title of qualification awarded	DGNB Consultant Course
Principal subjects/occupational skills covered	The course is based on the DGNB manual for office buildings. Thorough introduction to the five qualities that a sustainable construction is assessed based on the DGNB certification system: Environmental qualities, Social qualities, Economic qualities, Process, Surroundings. Familiarisation with the principles and importance of total economic calculations (LCC) and life cycle analysis (LCA).
Name and type of organisation providing education and training	Green Building Council Denmark, Frederiksborggade 22, 1360 Copenhagen
Dates	2016
Title of qualification awarded	Project Management, Ramboll Management, Denmark
Principal subjects/occupational skills covered	APM Fundamentals Project Economy and Law ERP Hands-on for Project Managers
Name and type of organisation providing education and training	Ramboll Course conducted by Advise
Dates	December 2009 – March 2014
Title of qualification awarded	PhD degree
Principal subjects/occupational skills covered	Selected courses: Researching Atmospheres, PhD course, Aarhus School of Architecture, DK, 2013; Philosophy & Aesthetics, PhD course, Architecture, Design and Urban Planning, Aalborg University, DK, 2013; Industrial PhD courses, Copenhagen Business School and Government agency for Research and Innovation, Copenhagen, DK, 2011; Sustainable buildings - technical innovations and user practices, PhD course, Aalborg University, DK, 2010; NVivo - Advanced Analysis and Qualitative Data using Software, PhD course, Copenhagen University, DK, 2010; Philosophy of Science and Research Methodologies, PhD course, Aarhus School of Architecture, DK, 2010
Name and type of organisation providing education and training	Doctoral School, Aalborg University, Frederik Bajers Vej 5, Postboks 159, 9100 Aalborg
Level in national or international classification	ISCED 2011 Level 8 PhD
Dates	September 2004 – June 2009
Title of qualification awarded	Master of Science in Civil Engineering specialised in Architecture & Bachelor of Science in Civil Engineering in Architecture and Design
Principal subjects/occupational skills covered	Aalborg University, Frederik Bajers Vej 5, Postboks 159, 9100 Aalborg
Name and type of organisation providing education and training	Aalborg University, Frederik Bajers Vej 5, Postboks 159, 9100 Aalborg
Level in national or international classification	ISCED 2011 Level 7 Bachelor of Science in Civil Engineering in Architecture and Design ISCED 2011 Level 6 Master of Science in Civil Engineering specialised in Architecture

Personal skills and competences

Mother tongue(s)

Danish

Other language(s)

English, Nordic (Swedish, Norwegian), German, Spanish

Self-assessment

European level (*)

Danish

English

Nordic (Swedish, Norwegian)

German

Spanish

Understanding				Speaking				Writing	
Listening		Reading		Spoken interaction		Spoken production			
C2		C2		C2		C2		C2	
C2		C2		C1		C1		C2	
C1		C1		B2		B1		B2	
A2		B1		A2		A2		A1	
A2		A2		A1		A2		A1	

Social Skills and competences

Selected for advanced media training course of development selected to become spokesperson on sustainability in buildings in Ramboll Denmark.

Doing a personality test following the 16 personalities system revealed an "Activist" personality type.

The following is written about the Activist Personality type:

The activist personality is truly a free soul. They are often the focal point of the party, but they are less interested in the great enthusiasm and joy of the moment than in the joy of the social and emotional connections they create to others. Charming, independent, energetic and full of compassion.

Activists are shaped by their visionary nature, enabling them to read between the lines of curiosity and energy. They tend to see life as a big, complex puzzle where everything is connected - but unlike the analysts who tend to see the puzzle as a series of systemic games, activists see them through a prism of emotions, compassion and mysticism and is always looking for a deeper meaning.

Activists are very emotional and sensitive, and if they step over their toes, both parties feel it. They will spend lots of time exploring social relationships, emotions, and ideas before finding something that really sounds true. But when they finally find their place in the world, their imagination, empathy and courage will probably produce incredible results.

Activists are highly independent, and crave creativity and freedom, far more than stability and security.

Organisational skills and competences

As Chief Specialist part of the **Department Management Team** leading the Ramboll Aarhus Buildings department consisting of approximately 22 employees within Sustainability, Project Management, Construction, Electricity, HVAC, Energy and Indoor Climate.

Competence and team leader for a cross national team of 12 sustainability consultants and 3 trainees across Ramboll Denmark. The team consists of a range of talented employees with a variety of disciplinary (and cross disciplinary) educational and experiential backgrounds, all working full time with sustainability projects and development across markets and disciplines with focus on sustainable buildings and cities.

Good **organizational skills** gained through **team work based education** on Aalborg University as Civil engineer specialized in architecture, e.g. planning study trips to Finland, Nederland, Japan, etc.

Board member experience from a range of associations in my spare time /voluntary:

2015 - 2018 **Board member/deputy chairman**, Daycare Board, Area Viborgvej, Municipality Aarhus

2015 - 2016 **Board member**, webmaster and photographer, TST Gymnastics, Tilst, Aarhus

2014 - 2018 **Chairman**, Parental Council in the daycare facility Children's House Søhøj, Aarhus

2013 - 2018 **Board member**, Landowner association Østermarken, Tilst, Aarhus

2005 - 2015 **Board member & webmaster**, Landowner association, Vendsysselgade 22-24, Aalborg

Technical skills and competences	<p>Project Management: Benchmarking, Budget Planning, Engineering, Performance Review, Project Planning, Quality Assurance, Scheduling, Task Delegation, Task Management</p> <p>Data analysis and programming: Development of Excel automation functions, Analytical skills, Database Management, Documentation, Needs Analysis, Quantitative Research, Quantitative Reports, Statistical Analysis, Qualitative Research, Qualitative Reports</p> <p>Communication and Social Media Experience: Blogging, Digital Photography and editing, Social Media Platforms, LinkedIn, Instagram, Twitter.</p> <p>Technical Writing: Subject Matter Expert in Sustainable Buildings and certification systems, Technical Documentation, Requirements Gathering, Client Relations, Research.</p>
Computer skills and competences	<p>Project Management, Email, Social Media, and Blogging: Microsoft Teams, Microsoft Outlook, CMS (Content Management Systems), Web page design, WordPress, iMovie (creating movies)</p> <p>Spreadsheets, Databases, Programming, Production and Design: Microsoft Excel, VBA (Virtual Basic for Applications), Microsoft Excel Macro codes, XML database management systems, Autodesk AutoCAD, SketchUp Pro, Energy simulation BE15, Daylight simulation (VELUX Daylight Visualizer,</p> <p>Graphic Design and Word Processing: Adobe Creative Cloud, Adobe Illustrator, Adobe InDesign, Adobe Photoshop, Adobe Bridge, Adobe Lightroom, Microsoft Word, Microsoft Power Point</p>
Other skills and competences	<ul style="list-style-type: none"> - Finalist in Årets Unge Rådgiver/Young Consultant of the Year Award, FRI Denmark - Finalist in the Global Ramboll Award 2018 in the Sustainable Solutions category (nominated by and voted for by colleagues across Ramboll Group globally) - Selected as Ramboll Denmark LinkedIn Role Model 2018 - Nominated for United Nations Global Compact SDG Pioneer 2018 - Idea -woman behind the Global Ramboll Development Project Green BIM - Winner of UNLEASH Lab 2017 Urban Sustainability – as talent
Hobbies and activities	<p>Mother of two, Karen is 6 years old and Karl is 3 years old. I am married to the father of the children, Andreas and we also have a dog named Sjoko. Together we all live in a village outside Aarhus in Denmark in a beautiful architect drawn 1970ies villa we are currently renovating with focus on comfort, health, daylight, energy optimization and circular materials/solutions.</p> <p>In my spare timer I play handball with my team and go for occasional bike rides and walks in the surrounding conserved forest and nature, with my family.</p> <p>Our family enjoys skiing during winter and travelling to rich nature places. I very much enjoy creating cakes and baking bread and prioritize handcrafting activities such as knitting, crocheting, sewing and breads when time allows.</p> <p>Initiator of a weekly eat-together community in the community leisure centre for young families, in my home town Søften.</p> <p>I am a hobby architect and help friend and family with projects with in housing, renovation. Also, my husband and I created, drew and planned our first house together (blog from our first house).</p> <p>Photographer (volunteer) at Arkitekturbilleder.dk (hosted by KADK Library)</p>
Papers published	<p>2019</p> <p>Conference paper: A case-based study on the use of life cycle assessment and life cycle costing in the building industry (Full paper submitted – awaiting review)</p> <p>Sustainable Built Environment Conference 2019 (SBE19) Graz</p> <p>Authors: Collin, Christine; Olesen, Gitte Gylling H.; Secher, Andreas Qvist</p>

2018

Publication: **Guide to Sustainable Buildings Certifications**, Funded by Realdania and The Dreyer Foundation Editors and lead authors: Kasper Guldager Jensen 3XN and Harpa Birgisdottir, SBI
Gitte is expert reviewer of the publication.

2017

Publication: **Industry Guidance for LCA in building renovation** (Branchevejledning i LCA ved renovering), TI Teknologisk Institut, SBI Statens Byggeforskningsinstitution.
Gitte is part of the group testing tools and sharing knowledge, experiences and expertise.

2016

Publication: **A Model for Enquiry of Sustainable Homes** in 'DESIGN RESEARCH EPISTEMOLOGIES II - Research in Architectural Design', A&D Files, Vol. 92, ISSN nr. 1603-6204.
Editors: Ole B. Jensen, Tina Vestermann Olsen, Jacob Bjerre Mikkelsen, Simon Wind
Author: Gitte Gylling Hammershøj Olesen.

2014

PhD Dissertation: **A Model for Enquiry of Sustainable Homes: of Model Home 2020**
Author: Gitte Gylling Hammershøj Olesen

2013

Publication: **Home smart home: a Danish carbon neutral experiment that is breathing, letting in daylight and the surroundings through smart windows**, IEEE Special Issue on Smart Home.
Authors: Ellen Katrine Hansen, Gitte Gylling Hammershøj Olesen, Michael Mullins

Conference paper: **Aesthetic Quality in Sustainable Houses - Sensory Experiences of Atmospheres** (peer-reviewed), Aesthetics, the uneasy dimension in architecture – Conference, Stavanger, Norway
Authors: Gitte Gylling Hammershøj Olesen and Mary-Ann Knudstrup

Article: **Enquiring Perceived Quality in Sustainable Architecture: A More Tangible Approach**
Authors: Gitte Gylling H. Olesen, Mary-Ann Knudstrup, Per Heiselberg og Jens Christoffersen

1012

Industrial PhD report: **Sustainable Innovation: Relations between Academia and Industry**
Industrial PhD report developed in relation to Industrial PhD course
Author: Gitte Gylling Hammershøj Olesen

2011

Conference paper: **The Window - a Poetic Device and Technical Tool to Improve Life in Energy Positive Homes - a Case Study of an Active House** (peer-reviewed), SB11 Conference (Sustainable and Build Environment), Helsinki, Finland.
Authors: Ellen Katrine Hansen, Gitte Gylling H. Olesen

Conference paper: **Measuring Sustainable Homes - a Mixed Methods approach** (peer-reviewed). Architectural Researchers Centers Consortium Conference, Detroit, USA.
Authors: Gitte Gylling H. Olesen, Mary-Ann Knudstrup, Per Heiselberg, Ellen Katrine Hansen

Conference paper: **Indoor Environmental Quality of The First European Model Home 2020** (peer-reviewed), CISBAT 2011 Conference, EFPL Lausanne, Switzerland.
Authors: Peter Foldbjerg, Gitte Gylling H. Olesen, Ellen Katrine Hansen, Lone Feifer

Received honorable mention and nominated for best paper presentation as one of five out of 750 papers. Conference paper: **Holistic Evaluation of Sustainable Homes through a Symbiosis of Quantitative and Qualitative Assessment Methods** (peer-reviewed); PLEA 2011 - Passive and Low Energy Architecture, Belgium.
Authors: Gitte Gylling H. Olesen, Mary-Ann Knudstrup, Per Heiselberg, Ellen Katrine Hansen

<p>Public speaking experience</p> <p>(selected experiences)</p>	<p>Presentation of the Tower of Wood project in Mainstage, Building Green 2019, Denmark, Aarhus</p> <p>Annual meeting in FRI – YP interview and discussion on stage, Copenhagen, Denmark, 2019</p> <p>Presentation and interaction on Green BIM approach and design decision game, Ramboll Global Leadership Conference, Copenhagen, Denmark, January 2019</p> <p>Presentation, The construction site in a life cycle perspective, Danish Engineering Association IDA, Copenhagen, Denmark, 2018</p> <p>Presentation, Sustainability in Building as a driver for circular solutions, Danish Association of Architects, Nykøbing Mors, Denmark, 2018</p> <p>Panel debate on Sustainability in Housing Renovation Projects, Building Green 2018, Aarhus, Denmark, 2018</p> <p>Presentation at Circular Economy Seminar for clients, A life cycle perspective on circular economy in buildings, Ramboll Finland, Helsinki, Finland, 2018</p> <p>Presentation and on-stage panel debate, Sustainability Certification as a tool for practical sustainability, Active House Symposium, Bornholm, Denmark, 2017</p> <p>Key note speech Experiences from Enquiries of Sustainable Homes, at Connecting the Dots conference, VELUX, Brussels, Belgium, 2014</p> <p>Ph.D. defence, A Model for Enquiry of Sustainable Homes, Utzon Centre, Aalborg University, Aalborg, 2014</p> <p>Paper presentation Aesthetic Quality in Sustainable Houses - Sensory Experiences of Atmospheres (peer-reviewed), Aesthetics, the uneasy dimension in architecture – Conference, Stavanger, Norway, 2013</p> <p>Presentation Conference paper: Measuring Sustainable Homes - a Mixed Methods approach (peer-reviewed). Architectural Researchers Centers Consortium Conference, Detroit, USA, 2011.</p>
<p>Membership of professional organisations</p>	<p>Reviewer, Indoor and Built Environment Journal (Voluntary work)</p> <p>Member of the Steering Committee of YP FRI (Young Professionals part of The Danish Association of Consulting Engineers)</p> <p>Member of the board of Potential Employers (Aftagerpanel), Aalborg University</p> <p>Member of the DGNB Manual Committee - Working for developing the DGNB building sustainability system, Danish Green Building Council</p> <p>Member of Specialist Board Sustainable Build Accelerator Forum SUSTAINABLE BUILD is a collaboration between The Danish Industry Foundation and the Danish Architecture Center, and has been developed together with Leaderlab. The project derives from a call for initiatives promoting sustainable production by the Danish Industry Foundation.</p> <p>Member of the Global UNLEASH Community Network – Building capacity for developing a sustainable world for all focusing on the UN SDGs.</p> <p>Member of Green Buildings and Circular Economy, professional f5 Network.</p>