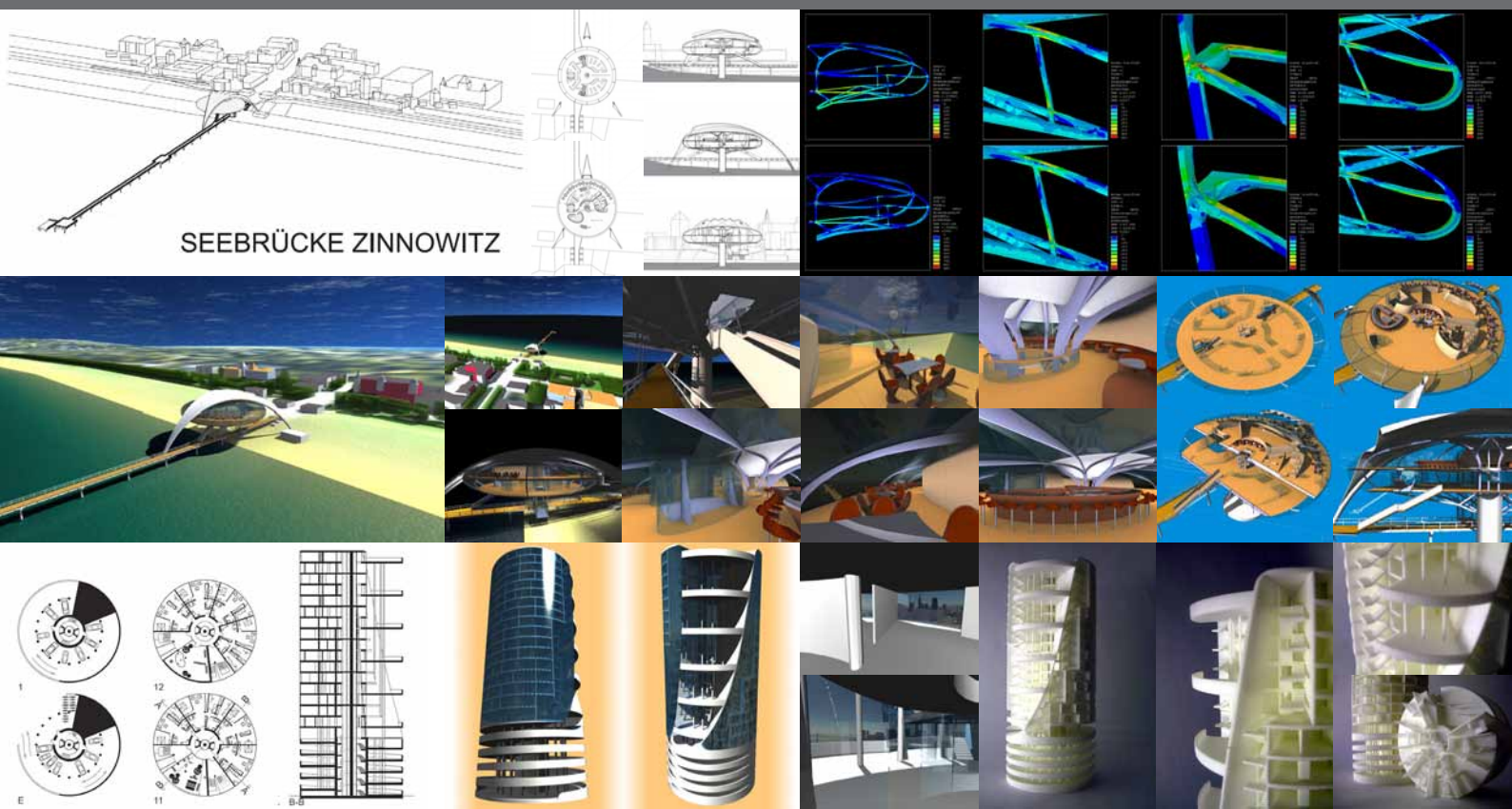




Benjamin Wernike



Dipl.-Ing. Arch. **Benjamin Wernike**
LEED AP BD+C, Estidama PQP V/B/C



“Innovation starts in between specialties.”

Raising the bar and setting the course for integrated project deliveries. Providing profound and multidisciplinary expertise to maximize bottom line rewards while building sustainable.

Personal Information:

German, in business since 1999, in UAE since 2008, born 1977, married, two kids

Personal Skills:

holistic thinking outside the box, inventive talent, precision, determination, endurance, sense of responsibility, team leadership & team play

Focus Areas:

- design management, project management, construction management
- architectural design of industrial, commercial, office and residential buildings
- sustainable planning of master plans, high-rise buildings & detached houses
- green building scoring systems and/or legislation (LEED, WELL, Estidama, Al Safat / Dubai Green Building Regulations, EnEV etc.)
- structural design and construction of special and high span constructions
- design studies & simulations: energy modeling, thermodynamics, daylight analysis, CFD analysis, FEM analyses, structural calculations & other applied physics / math
- design documentation and project planning for buildings and industrial products
- life-cycle assessment, life-cycle cost analysis & project cost tuning, BIM
- business development
- industrial designs, machine engineering, parametric modeling, CAD-CAM
- technical expertise of industrial production methods and environmental impacts
- research & development of building systems

Education:

- 2012 LEED Accredited Professional for Building Design and Construction
- 2010 Estidama Pearl Qualified Professional for villas, buildings and communities
- 2005 several post-graduate management courses for junior entrepreneurs
- 2004 “Diplom-Ingenieur für Architektur” graduation, Bauhaus-University Weimar, (German university master degree before Bologna Process finalization in 2010)
- 2003 -2004 excursion studies at faculty of mechanical engineering, University of Applied Sciences Jena
- 2000 -2003 main studies of architecture, Bauhaus-University Weimar
- 1999 -2000 excursion studies at faculty of design, Berlin University of the Arts
- 1997 -1999 “Vordiplom Architektur” (undergraduate degree), Bauhaus-University Weimar
- 1996 -1997 civilian service for conscientious reasons as social worker for disabled children and elder people in need, Volkssolidarität Gardelegen
- 1984 -1996 “Abitur” (German high-school diploma)

Professional Affiliations:

- Affiliate Member Architect at the Society of Engineers U.A.E.
- LEED AP BD+C at the U.S. Green Building Council
- Estidama PQP for all development categories at Urban Planning Council Abu Dhabi

Track Record:

20/11/2016 – today

Obermeyer Middle East GmbH, United Arab Emirates

Senior Architect, Sustainability Manager

- coordination with client and authorities GBCI (LEED, WELL), Dubai Municipality (Al Safat/ Dubai Green Building department), Dubai Civil Defense to ensure compliance with project requirements and applicable codes / ratings
- management of sustainability department: organizing tasks and assigning responsibilities to team members and/or subconsultants, monitoring compliance, setting KPIs and controlling performance, interviewing and recruiting staff, evaluating subconsultants
- business development and bid coordination including joint venture partner evaluation, related negotiations, preparation and submission of technical and commercial bids
- representing Obermeyer on occasion (WETEX, Future Energy Summit etc.)

New DEWA HQ - Al Sheraa Building, Dubai

- Zero Energy Building: solar roof and PV array concept, schematic and detailed design, optimization to achieve the maximum area for solar energy harvesting, safe access, operation & maintenance planning, electric wiring concept and storm water drainage system in coordination with energy team, PV subconsultant, MEP department and structural engineering department
- LEED Platinum, WELL Silver, Al Safat / Dubai Green Building Regulations Platinum ratings: implementation of sustainability requirements in the design, review (QC) of the design and compliance documentation, consultation of related departments and/or subconsultants - architecture, MEP, structural engineering, interior design, landscaping design, traffic planner, vertical transportation, waste management planner, cost consultant, commissioning agent, environmental assessor, project planner
- Sustainability Construction Management: preparation of documents and action plans for different construction stages, reporting construction status and progress to client, reviewing contractor submittals (contractor plans, material submittals, sustainability reports, construction compliance documentation), monitoring sustainability compliance on-site, issuing NCRs if necessary
- Fire Life Safety strategy according Dubai Civil Defense requirements: façade integrated PV, solar roof PV design and material choices in coordination with manufacturers and suppliers, coordination of FLS subconsultant, steering meetings with DCD

01/01/2014 – 10/11/2016

TAV CCC Arabtec Joint Venture, United Arab Emirates

*Sustainability Manager & Estidama PQP of record (at local UPC/Estidama authority) with main contractor of the **Midfield Terminal Building, Abu Dhabi International Airport***

- design review: risk & gap analysis of client's Estidama design stage submissions towards UPC versus the contract documents and full IFC
- detailed design consultations for in-house architects, engineers and subcontractors to meet project performance requirements related to building envelope, MEP, architecture and interior designs (construction physics, thermodynamics, vapor control / mold prevention, indoor air quality, building equipment, appliances, building management systems, smart metering for water and electricity, materials, landscaping etc.)
- management of Estidama department: assigning tasks and responsibilities, interviewing and recruiting staff, setting KPI and reporting performance
- integrated project delivery through multidisciplinary coordination with authorities, client, CMA, consultants, subcontractors, suppliers and manufacturers to ensure that project requirements and sustainability goals are met in compliance with Estidama requirements

- review of the client's energy model submissions towards UPC/Estidama in relation to the specified performance requirements of the building envelope
- follow-up with CMA, client and consultants to issue required changes & variation orders (meetings, correspondence, requests for information, delay notices etc., close cooperation with in-house contracts management & project management)
- cost tuning of sustainable design objectives and their implementation during construction stage
- briefing, monitoring, reporting and follow-up of subcontractors and suppliers (material submittal reviews, documentation requests & reviews, on-site audits, non-compliance reports etc., coordination with QA/QC Manager & Subcontracts Manager)
- sustainability in-house trainings and consultations for managers & engineers
- academic relations with Masdar Institute (local partner of the M.I.T.) through institute-wide project presentations, lectures and site-tours for student groups

20/06/2013 – 21/12/2013

Kling Consult, United Arab Emirates

Director

- management of Kling Consult's Abu Dhabi branch
- business development, acquisition, networking and representation
- preparation of technical and commercial proposals
- project management: office complex in Abu Dhabi, shopping mall in Al Ghayathi
- follow-ups with new & existing clients
- projects under acquisition: extension of VIP stands at Abu Dhabi YAS Marina Circuit, residential tower in Abu Dhabi, façade upgrades for UAE embassies, university campus in Cambodia, Abu Dhabi urban streetscaping, refurbishment & extension of Al Ain International Airport Terminal, multiple Al Futtaim Motors showrooms in Dubai
- supervising administration: registrations, licenses, public relations

13/01/2013 – 15/06/2013

KN International, United Arab Emirates

Senior Architect, Sustainability Consultant, Construction Manager

- design review & sustainability consulting for Al Reem Tower, The German House, Local Villas
- construction management & quality control in the prefabrication of steel construction for Emirates Aluminium Industrial Complex in Khalifa Industrial Zone Abu Dhabi

01/07/2009 – 13/01/2013

Dorsch Holding GmbH, United Arab Emirates

Senior Architect, Head of Green Building

- establishment of the Dorsch Green Building Unit
- introduction of sustainable principles & technologies for buildings & master plans
- integrated planning using building information modeling, life-cycle cost analysis, energy modeling and daylight analysis for long-term validation of design decisions
- sustainable design concept, schematic design, specifications, Estidama consulting, energy modeling & cost tuning for Emirati Housing Development - Jebel Hafeet, Al Ain (master plan plus 3000 villas and public buildings at architectural scale)
- Estidama consulting for Royal Villa Project, Al Ain
- preliminary LEED consulting for "Heart of Europe | The World", Dubai
- sustainable design concept, schematic design, traffic planning, Estidama consulting and cost tuning for Liwa Road Shops project, Western Region
- design concept & schematic design for Ghantoot Naval Base (master plan plus residential and operational buildings at architectural scale)
- master plan design competitions for waterfront and urban developments within U.A.E.
- publications about sustainable development principles

- exhibitions, public relations, representation of Dorsch Green Building Unit
- academic relations with Alhosn University Abu Dhabi through sustainability lectures

08/2008 – 06/2009

Self Employed Consultant, United Arab Emirates

Construction Management (8 months)

- **Ferrari World on YAS Island, Abu Dhabi, United Arab Emirates**
coordination of subcontractor in construction of approximately 200,000m² space frame structure, optimization of team & workflow, acceleration of works
*consulting contract with **MERO International GmbH & Co. KG**, Würzburg, Germany*

Technical Consultation (3 months)

- solar roof for **Masdar Campus building, Abu Dhabi, United Arab Emirates**
structural optimization, modularization, planning, bill of quantities, pricing
*consulting contract with **Alhamy Metals**, Sharjah, United Arab Emirates*

07/1999 – 08/2008

Self Employed Consultant, Germany & International

Business Developer

- Freigrad® space frame structure building system, marketing in Europe
invention - research - development, business planning, presentations, team-leading
*start-up company (team of four people) **Freigrad GmbH i.G.**, Weimar, Germany*
- “Agent Digital” design furniture, marketing in Europe and Canada
conception - design - prototyping, strategy, presentations
*license agreement with **SLM GmbH**, Oebisfelde, Germany*

Project Manager

- urban project planning of “Dresdner Straße 114, Berlin-Mitte”, Germany
offices & residences according to the German energy saving ordinance (EnEV)
*consulting contract with **Schulte-Frohlinde Architekten**, Berlin, Germany*

Technical Consultant

- architectural & structural design of “Seebrücke Zinnowitz, Baltic Coast”, Germany
pleasure pier & mall with retail, event & catering functionalities
*consulting contract with **Schöner-inseln GmbH**, Zinnowitz, Germany*
- several residential designs in Berlin, Germany
according to the German energy saving ordinance (EnEV)
*consulting contract with **Schulte-Frohlinde Architekten**, Berlin, Germany*

Industrial Design Consultant

- information terminals for Deutsche Bahn AG, Berlin, Germany
*consulting contract with **ART-KON-TOR**, Jena, Germany*
- furniture, kitchens & bathrooms for Boffi s.p.a., Milan, Italy
*consulting contract with **Norbert Wangen**, Vienna, Austria*

Engineering Consultant

- clean room robot & equipment for chip manufacturer, Erfurt, Germany
technical design, motion analysis, simulation
*consulting contract with **Jacob & Nauman GbR**, Jena, Germany*
- design of several medical devices for different German manufacturers
*consulting contract with **Jacob & Nauman GbR**, Jena, Germany*

Scientist / Academic

- seminars “Load Bearing Structures”& “3D Modelling / CAD”,
research associate at the professorship of structural design & engineering
*contract with **Berlin University of the Arts**, Berlin Germany*
- research associate at the professorship of management
*contract with **Bauhaus-University Weimar**, Germany*

Patents:

Freigrad® system (technical patent granted: WO2006027162A8, DE102004042905A1)
Agent-Digital (design patent: 40111182.2)

Awards:

Thuringia Business Plan Competition
GET UP Idea Contest

Urban Waterfront Developments Competition, U.A.E.
Chamber of Architects Mecklenburg-Vorpommern “Health Resorts of the Future”
PTC Design Award
INNEO Design Award
OFFISION Design Award

Exhibitions:

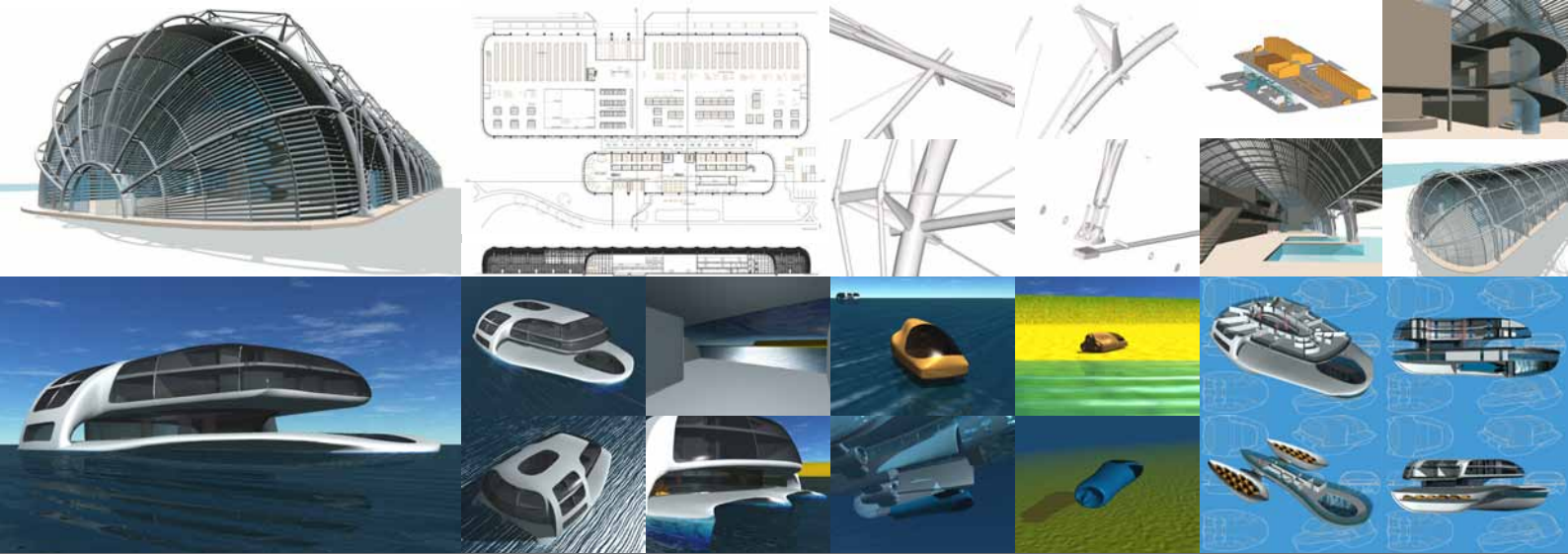
WETEX 2017, Dubai, United Arab Emirates
ARABIAN CONSTRUCTION WEEK 2010, Abu Dhabi, United Arab Emirates
IIDEX/NEOCON 2004, Toronto, Canada
OFFISION 2002, Cologne, Germany

International Experience:

Austria, Azerbaijan, Canada, Czech Republic, Germany, Italy, Oman, Switzerland,
United Arab Emirates

Languages:

fluent in German & English
few basics in Arabic, Italian & Russian



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