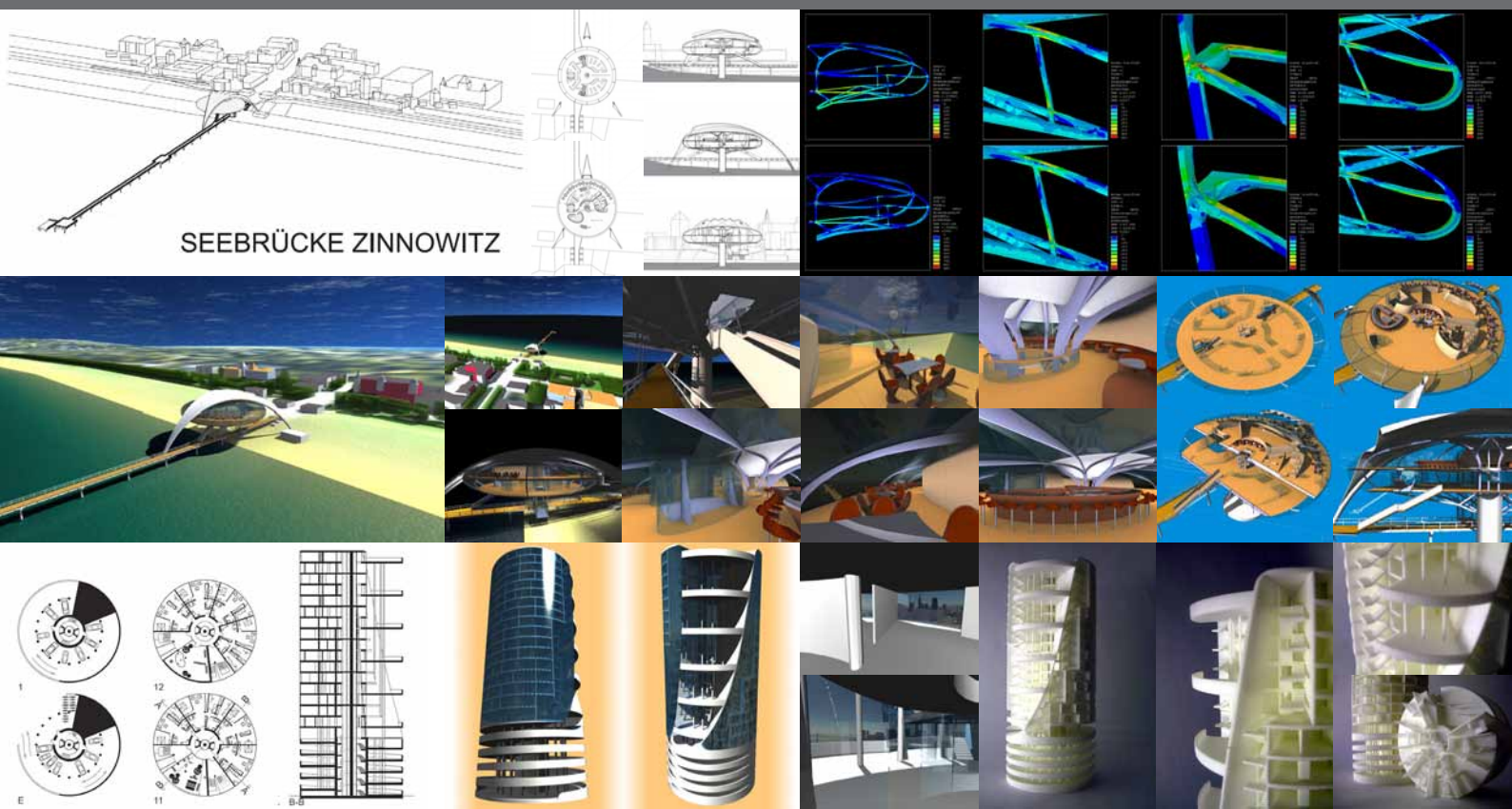




Benjamin Wernike



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, Estidama, 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:**

**01/01/2014 – today**

**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 200,000m<sup>2</sup> 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:**

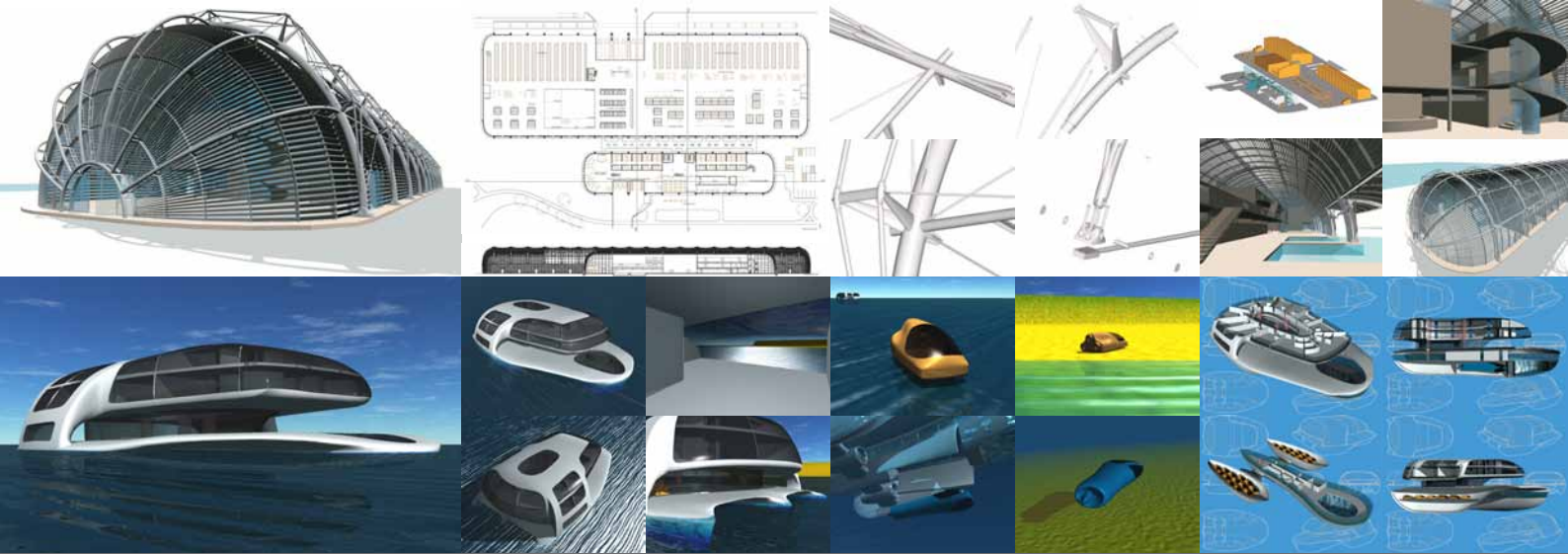
ARABIAN CONSTRUCTION WEEK 2010, Abu Dhabi, United Arab Emirates  
IIDEX/NEOCON 2004, Toronto, Canada  
OFFISION 2002, Cologne, Germany

**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



Contact Benjamin Wernike

e-mail: [info@wernike.com](mailto:info@wernike.com)

web: [www.wernike.com](http://www.wernike.com)  
[www.freigrad.com](http://www.freigrad.com)

tel: +971.50.2663524

fax: +971.2.5645583

mail: P.O. Box 115087  
Abu Dhabi, U.A.E.

