

CURRICULUM VITAE

| Contact details | |
|-----------------|--|
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Proposed role:

Category:

Staff of:

1. **Family name:** Kemner
2. **First name:** Rainer
3. **Date of birth:** 1964-01-17
4. **Nationality:** German
- Place of residence:** Hannover, Germany
5. **Civil status:**
6. **Education:**



| Institution(s) (Date from - Date to) | Diploma(s) |
|---|--|
| Leibniz Universität Hannover (Leibniz University of Hannover) (since 2019) | Berufsbegleitendes Masterprogramm (M.A.) "Arbeitswissenschaft" (part-time Master programme in occupational science; not yet finished) |
| REFA Bundesverband e.V. (REFA-Association) (1994 – 2000) | REFA-Trainer-Qualifikation „Arbeitssystem- und Prozessgestaltung“ und „Prozessdatenmanagement“ (REFA trainer qualification in work structure and process data management) |
| Verwaltungs-Berufsgenossenschaft VBG (Occupational Insurance Association) (1987 – 1999) | VBG-Certification „Fachkraft für Arbeitssicherheit“ (OSH professional for occupational safety and health) |
| Fachhochschule Rosenheim (University of Applied Science Rosenheim) (1985 – 1989) | "Dipl.-Ing. (FH) Holztechnik" (Engineer of Wood Technology) |
| Fachhochschule Rosenheim (University of Applied Science Rosenheim) (1987) | "Ausbildung der Ausbilder – AdA" (certified TVET trainer according to German AEVO) |
| Fachoberschule Osnabrück (Technical College Osnabrück) (1983 – 1984) | "Fachabitur" (vocational baccalaureate diploma) |
| Tischlerei Hofman/Berufsbildende Schulen Melle (apprenticeship at carpentry and joinery workshop Otto Hofman and vocational college in Melle; 3 years of dual vocational training) (1980 – 1983) | "Tischlergeselle" (qualified joiner and cabinet maker for windows, doors and furniture) |

7. **Language skills:** Indicate competence on a scale of 1 to 5 (1 = excellent; 5 = basic)

| Language | Reading | Speaking | Writing |
|----------------------|---------------|----------|---------|
| German | Mother Tongue | | |
| English | 2 | 2 | 2 |
| Indonesian/Malaysian | 4 | 3 | 5 |
| French | 5 | 5 | 5 |

8. Membership of professional bodies:

- REFA Bundesverband e.V.
(association for work design, business organization and business development)
- VDI – Verein Deutscher Ingenieure (association of German engineers)
- Ingenieurkammer Niedersachsen (chamber of engineers of Lower Saxony)
- HAFVEN community of Hannover (coworking and maker space; www.hafven.de)
- Meisterteam (cooperation and service provider for the woodworking trade; www.meisterteam.de)

9. Other skills (e.g. computer literacy, etc.):

- Windows, Outlook, Word, Excel, PowerPoint
- AutoCAD
- “Betrieblicher Ersthelfer” (first aider)
- European driver’s license AM/A1/A2/A/B/C1/BE/C1E/CE/L

10. Present position:

- Founder and owner of Engineering Office Rainer Kemner in 2019
(free-lance engineer, consultant for factory organization and optimization, teacher and writer)
- Part-time teaching assignment at „Holzfachschule Bad Wildungen“ since 2019; www.holzfachschule.de
(vocational school for woodworking and wood processing for master craftsmen and technicians; teaching quality management, project management, recycling and waste disposal, sustainability, standards, rules and regulations, CE-marking, factory organization, factory layout, transport and logistics, warehousing, procurement of machines, manufacturing technology for windows, doors, staircases and furniture, energy efficiency, heating, dust extraction, finishing and spray booths, compressed air etc.)

11. Years within the firm:

- 5th year at Engineering Office Rainer Kemner (founder and owner, free-lance engineer)
- 5th year of part-time teaching assignment at „Holzfachschule Bad Wildungen“

12. Key qualifications (relevant to the project):

- Know how to strengthen the knowledge and competencies of entrepreneurs
- Support the growth and technological upgrading of SMEs and MSEM by training and consultancy
- Capacity development
- Cooperate with institutions involved in the Wood Value Chain
- Facilitate business networking and experience exchange groups
- Experience in wood secondary and tertiary processing, e.g. for furniture, windows, doors and fixtures
- CAD, CAM, CNC, IoT, digitalization
- Experience in industrialisation and methods of lean management for carpentry, joinery and cabinetmaking on topfloor and shopfloor basis
- Industrial planning, design and assessment of technology (regarding wood processing)
- Improving and optimizing processes, construction and wooden products
- Knowledge and experience with certifications and standardizations, quality control and CE-marking
- Knowledge of occupational health and safety and ergonomics matters
- Project management, quality management and environmental management skills
- Curriculum development experience
- Qualified Design Thinking Practitioner und Facilitator

13. Specific experience in the region (for more detailed information see 14. on pages 3 and 4):

| Country | Date from – Date to |
|----------------|---|
| Rwanda | 08/2022 – 11/2022 (31 days), 03/2022 – 11/2022 (15 days) |
| Rwanda/Germany | 10/2021 – 12/2022 (31 days), 08/2020 – 12/2020 (22 days) |
| Indonesia | 03/1987 – 03/1988 (240 days), 04/1989 – 12/1989 (180 days), 06/1992 – 12/1992 (120 days) |
| Sudan | 03/1985 – 09/1985 (120 days) |

14. Professional experience record abroad (projects):

| Date from – Date to | Location | Company and Reference Person (name & contact details) | Position | Description |
|--------------------------------------|---|---|--|---|
| 08/2022 – 11/2022 (31 days) | Rwanda <ul style="list-style-type: none"> Kigali Several companies in the Northern, Western and Southern Provinces IIRC Kitabi (Integrated Poly-technic Regional College) | ICON (GIZ) ToR E4410007- 10736 ICON Team Leader Holger Hinterthür in Cologne, email: economics @icon-institute.de I/AF Team Leader Steffen Röttcher in Kigali, email: Steffen.Roettcher @gmail.com | Wood Technical Expert | I/AF National Incubator and Accelerator Facility for the Wood Sector <ul style="list-style-type: none"> Providing technical advisory and assistance to selected woodworking companies (continuing the 1st mission) with the procurement of woodworking machines and machine layout planning Preparing and executing short trainings for ICPSs about timber drying (continuing the 1st mission); capacity development Industrial Studies / Multi-Client Reports <ul style="list-style-type: none"> Veneer and plywood production in Rwanda Analyse the potential of beeswax as a finishing product for wood in Rwanda (as a sustainable product and replacement of conventional solvent based lacquers) Options for successful Wood Drying in Rwanda (“Timber Drying Manual”) |
| 03/2022 – 11/2022 (15 days) | Rwanda <ul style="list-style-type: none"> Kigali Several companies in the Northern, Western and Southern Provinces | ICON (GIZ) ToR E4410007- 10586 ICON Team Leader Holger Hinterthür in Cologne, email: economics @icon-institute.de I/AF Team Leader Steffen Röttcher in Kigali, email: Steffen.Roettcher @gmail.com | Wood Drying Expert | I/AF National Incubator and Accelerator Facility for the Wood Sector <ul style="list-style-type: none"> Provide practical on-site advisory and training for operators of timber drying kilns. Troubleshoot software and steering panels of the kilns for the companies listed below (where required). The provision of tailored, economic analyses and cost calculations for drying of commonly used species and dimensions of timber. Develop profitable timber kiln drying Business and Operational Plans tailored to the requirements of the companies listed below. The provision of Thermo-Technical Calculations to adapt existing heating systems to required heating systems of newly purchased drying kilns. |
| 10/2021 – 12/2022 (31 days) | Germany/Rwanda <ul style="list-style-type: none"> Hannover (online) Kigali (onsite) Rwamagana (onsite) | GIZ ToR 81275985 PN 20.1007.2-407.01 GIZ Project Manager Bärbel Heiser in Eschborn, email baerbel.heiser @giz.de | Short Term Expert (combined online and onsite mission) | Joint mission of GIZ Business Scouts for Development Programme, GIZ-Eco Emploi Programme Kigali and GOPA Kigali <ul style="list-style-type: none"> Wood drying assignment, remote consulting and coaching of private companies. Preparing and executing 5 days of Training of the Trainer ToT “Timber Drying Techniques” in Rwamagana with 13 participants from TVET schools, ICPCs and private companies Follow-up coaching of companies in industrial kiln drying. Development of a training module for technical kiln drying and implementation; curriculum development and capacity development |

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|---------------------------------------|--|---|--|---|
| 08/2020 – 12/2020 (22 days) | Germany/Rwanda <ul style="list-style-type: none"> Hannover (online) Kigali (online) | GIZ PN 15.1028.8-003.00 GIZ Project Manager Bärbel Heiser in Eschborn, email baerbel.heiser @giz.de | Short Term Expert (remote consultancy) | GIZ Skilled Crafts and Trades Network 4 Africa and GIZ-Eco EmploI Programme (GIZ Kigali) <ul style="list-style-type: none"> Providing consultancy and training in the area of industrial wood drying to the private sector of Rwanda (procurement of new machinery, efficient use of machinery, general production process, maintenance and repair, occupational health and safety, environmental aspects) Starting with a remote phase of consultancy in Germany 08/2020, it was planned to follow up the project by an onsite consultancy and training intervention in Rwanda, but unfortunately COVID travel restriction were not lifted until 12/2020, so the project was finished remotely, too. |
| 06/1992 – 12/1992 (120 days) | Indonesia <ul style="list-style-type: none"> Semarang, Central Java | PIKA Semarang | Lecturer | Preparing and holding a seminar on „Technical Calculation“ at a TVET school for wood working in Semarang, Indonesia. |
| 04/1989 – 12/1989 (180 days) | Indonesia <ul style="list-style-type: none"> Mandomai, Central Kalimantan | Basel Mission, STM Mandomai | Short Term Expert | Planning, building and carrying out test runs of a solar heated kiln for timber drying in Kalimantan/Borneo in Indonesia (implementation of diploma thesis) plus complete documentation and training manual in English and Indonesian language. |
| 03/1987 – 03/1988 (240 days) | Indonesia <ul style="list-style-type: none"> Jakarta Mandomai, Central Kalimantan Semarang, Central Java | <ul style="list-style-type: none"> ATLANTA Consult Basel Mission, STM Mandomai PT Flötotto | Internship student (6 th and 7 th term of study of wood technology) | Completing three different internships in the following fields <ul style="list-style-type: none"> Wood Processing Sector Study, Ministry of Industry, World Bank Vocational training centre for woodworking Industrial furniture production joint venture |
| 03/1985 – 09/1985 (120 days) | Sudan <ul style="list-style-type: none"> Port Sudan, North Sudan | <ul style="list-style-type: none"> Red Sea Mission Team Ministry of Health of Sudan | Technical assistant | Working as technical assistant (craftsman) for the public health service of the Sudanese government in Port Sudan and the Red Sea Hills Province. |

15. Other relevant information (professional experience record for Germany):

- 1990 – 1992: After finishing the study of Wood Technology at Fachhochschule Rosenheim working as a project engineer at KELLER RFR Veneer and Plywood Technology (veneer slicers, peelers, dryers, clippers and stackers, plywood plants)
- 1993 – 2018: Technical consultant at the “Verband des Tischlerhandwerks Niedersachsen-Bremen” (Association of Joiners and Cabinet Makers in Lower Saxony and Bremen; www.tischlernord.de) and at „iBAT-Institute GmbH“ (www.ibat-hannover.de) covering the following topics:
- Technical consultancy of 1,500 member companies
 - Planning of operating facilities and workflow, rationalization and industrial engineering
 - CAD, CAM, CNC, IoT
 - Work structure and ergonomics, occupational safety and health (OSH)
 - Evaluation of CE conformity, factory production control and quality management
 - Assessment and examination of officially appointed and sworn experts for joinery and cabinet making
 - Leading the association`s technical committee and the advisory boards for windows and furniture
 - Taking part in developing and commenting rules and regulations, guidelines and standards
 - Management of several projects, e.g. „Holzstaub“ (wood dust reduction), EXPO-2000-Project „Tatort Bankraum“ (modern workplaces), „Vademecum Holzfensterbau“ (energy efficient wooden windows), “Digitalisierungswerkstatt im Tischlerhandwerk“ (digitalization workshop for joiners and carpenters)
 - Planning and holding seminars and meetings, moderation of experience exchange groups, lecturing for internal and external events
 - Teaching of master craftsmen about work and business organisation, factory planning, quality management, standards, rules and regulations
 - Developing of REFA teaching material and case studies for the wood processing industry and for teaching of master craftsmen classes (curriculum development)
 - Co-author and/or editor of "Tabellenbuch Holztechnik", "WPK-Handbuch Fensterbau", „Wärmebrückenkatalog“, „Leitfaden Anschluss bodentiefer Elemente“, „Kleiner Montagehelfer“, several publications in technical journals, technical information and leaflets
 - Horizontal and vertical networking within the association, its branches and its members and outside the association`s framework, e.g. regarding government agencies for occupational health and safety, building regulations, energy efficiency etc.
 - Facilitate experience exchange groups of joiners, and cabinet makers
- 2019 – present: Freelance consultant for “Meisterteam” cooperation of approx. 300 craft enterprises from all fields of woodworking and the building industries and 200 suppliers; www.meisterteam.de

