

Zeller Consulting Suisse
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CurVit!

Curriculum Vitae

- 1944** **Birth date 05.03.1944, Oberuzwil**
- 1952-1957** **Primary school, Oberuzwil**
- 1958-1960** **Secondary school Oberuzwil**
- 1961-1964** **Machine drawing apprenticeship, Bühler AG, Uzwil**
- 1965-1970** **Military, Frauenfeld**
First lieutenant artillery, specializing in telemetry
- 1967-1970** **University of Applied Sciences Winterthur**
Grad.-Engineer, specialization in thermodynamics
- 1970-1971** **Constructor, Bühler AG, Uzwil**
The market is calling for a radical change in the performance of extruders for the production of pasta. Construction and calculation of an extruder for a tenfold increase in the previous performance.
- 1971-1971** **Process engineer, Buss AG, Basel**
Economic feasibility studies of granulating systems as well as calculations for extruders. As a result of the lack of further tasks, I am terminating the employment relationship.
- 1971-1973** **Project manager, Chyro AG, Rorschach**
Creation of a test bench for heat exchangers. Implementation and evaluation of performance measurements. Development of software for calculating heat exchangers. Processing of customer projects and selling these products.
- 1973-1977** **Sales group leader, Orion Werke AG, Zürich**
The sales activities in the internal and external service, the training of the representatives, the preparation of sales documents in the area of the product group shell and tube heat exchangers are carried out with success.
- 1977-1980** **Product manager, Runtal AG, Wil**
Authorized representative. Introduction of the products shell and tube, plate heat exchangers and air heaters. Preparation of sales documents. Sale of the products mentioned.
- 1980-1987** **Technical manager, Jäggi AG, Bern**
Authorized signatory and member of the management. Development of software for the calculation of finned and shell and tube heat exchangers. Management of IT, quality assurance, construction and development. Training of employees in IT applications and technical training. Profitability studies for the purpose of improving yields in various product groups. It turns out that very small and large devices cannot be produced cost-effectively.
- 1987-2023** **Owner, Zeller Consulting Suisse, Ittigen**
Development and distribution of neutral, multilingual software in the field of air conditioning, with a focus on **saving energy** by means of heat and cold recovery in air conditioning units. There are more than 7,000 licenses on the market worldwide, with the **Mollier-HX-diagram** and the **psychrometric chart** with climate data, comfort areas and all processes involving air being the industry leaders. MS Visual Studio, Intel Fortran, C # and **Excel with macros for circuit connect heat recovery systems** are used as the development environment.

Multilingual high level language applications C# (6513 licenses)

- AHH** Mollier-HX-Diagram and Psychrometric chart, all technical processes with humid air
Range: -100 to 300°C, 0 to 1000 g/kg, 0.03 to 16 bar
Meteorological data and comfort zones
14 applications for air conditioning included
- CCSX** Draw internal hydraulic coupling for fin coil heat exchanger in CC-Systems
- SIC** Draw internal hydraulic coupling for fin coil heat exchanger in default applications
- HES** Selection of heat exchangers and heat recovery systems with different geometries, prices, pressure drops, size in air direction. Deliverable are EXE (Executable), DLL (Dynamic Link Library), GUI (Graphical User Interface).

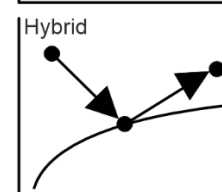
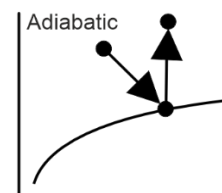
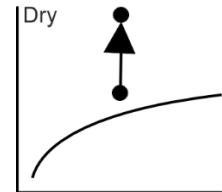


Since 1987
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HVAC Solutions
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Multilingual Excel based applications (1510 licenses)

- HEH** 30 different fin coil heat exchanger calculations
- CCS** 10 different circuit connected system calculations
- EAC** Economy comparison of circuit connected systems
- DEH** Economy for AHUs with different energy recovery systems
- ADD** Further 50 different applications for diverse HVAC uses, like air to air plates, rotors, smooth tube heat exchangers, spiral rib and microchannel heat exchanger, Glycol re-coolers, evaporative coolers and condensers, Intersection point between heat exchanger and fan



No	Country	Number of licenses on 14.4.2024					Total
		AHH CCSX SIC,HES	HEH CCS	EAC DEH	ADD		
1	Germany	2571	367	132	43	3113	
2	Switzerland	1324	215	52	20	1611	
3	Italy	682	93	2	27	804	
4	Netherlands	603	69	7	3	682	
5	Various countries	416	206	17	8	647	
6	Austria	377	13	13	3	406	
7	France	357	0	3	0	360	
8	Denmark	145	34	2	4	185	
9	United Kingdom	31	67	6	7	111	
10	Turkey	7	78	10	9	104	
Total	Total	6513	1142	244	124	8023	



Brine 32/38°C



Brine -2/-8°C



Water 6/12°C



*To protect our atmosphere,
is the duty of process engineering.
We solve tomorrows problems today!*

Air handling applications