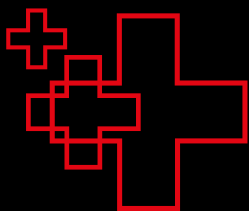


Trend setting Laboratory Technology.

**Why our Laboratory Systems perform
at peak efficiency on a daily basis.**



SwissTEQ

penggli

Laboratory
Systems

Tradition.

Swiss tradition with a great future

Renggli, founded in 1927, is an established Swiss family enterprise with international orientation in the realm of complete laboratory solutions. As one of the leading European producers and market leader in Switzerland, Renggli designs and implements state-of-the-art laboratories for research, industry, medicine and education. Branch offices in Switzerland, Poland and China, as well as a worldwide presence and innumerable reference installations are evidence that Renggli is a reliable partner covering the entire range of laboratory technology.



Renggli Headquarter, Rotkreuz



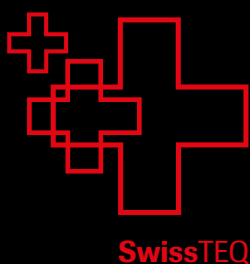
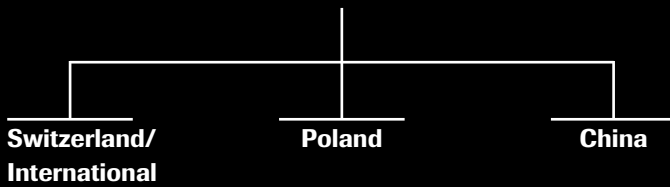
Renggli at Bialystok, Poland



Renggli at Yizheng, China

renggli

Laboratory
Systems



savis **LAB**

by renggli

BROUWER

by renggli

We design professional laboratory systems for you

Our laboratory systems are among the very best worldwide. We design them for enterprises and institutions with highest requirements in terms of flexibility, quality and precision. In addition to a wide variety of standardized systems, we also design and produce complex customized systems to meet your individual needs.

Our Core Competences

Counselling Competence

Our laboratory experts are eager to support you in all facets of laboratory technology. They will advise you accurately on all pertinent norms, legal provisions and safety aspects.

Planning and Engineering Competence

Our specialists are at your disposal to carry out the planning of the entire project. They even cover the engineering part, from media supply of the individual work place all the way to interfacing with the building control systems.

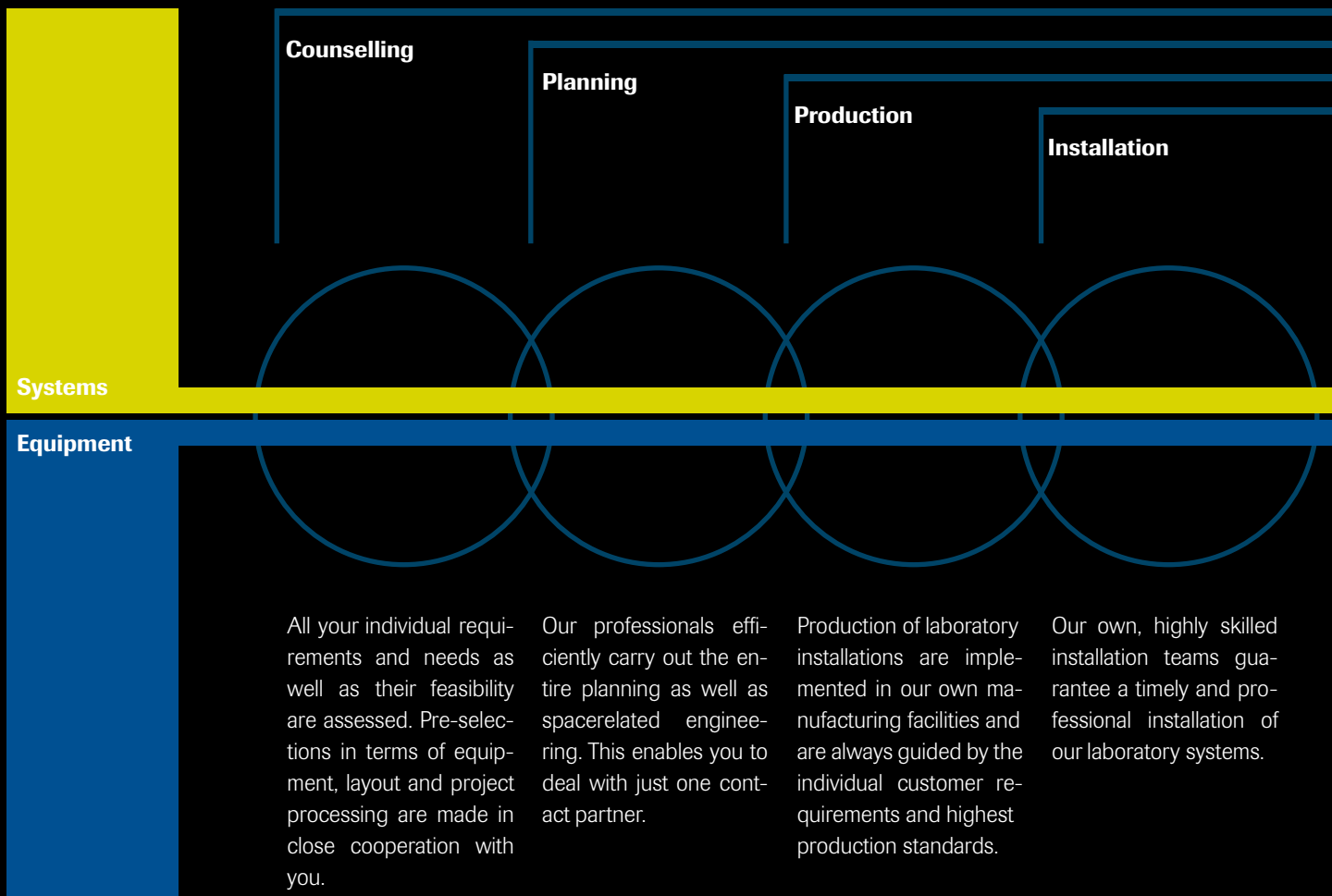
System Competences

In addition to being a dependable supplier of laboratory installations and equipment, we are your comprehensive one-stop service for counselling, planning/engineering, production, installation and maintenance/service. This is the key and guarantee for decades of perfect performance of your laboratories.

System.

Our System Package

Laboratories are complex systems with significant technical interfaces. In addition to their main function in the realm of laboratory technology, a number of other subjects are involved, namely plumbing, electro, gas/pure gas supply and ventilation. Our motto in handling this complex environment is "One-Stop Service". Our service is comprehensive, from a full range of installations and equipment, all the way to professional services such as counselling, planning/engineering, production, installation, instruction and maintenance/service.



Complex environment of a laboratory room

Room availability management

The available space is the basis for laboratory planning as it defines the laboratory in terms of space.

Installation systems

The selected installation system represents the basic furnishing of the new laboratory system thus roughly determining the room layout.

Equipment

The selection of equipment is based on the individual customer requirements and is adapted to the chosen installation system.

Ceiling grid

The ceiling grid is the versatile installation carrier of all media supply, depending on the selected installation system.

Media supply system

The media supply interfaces installation, equipment components and work stations with the respective building supplies for gas, electricity, compressed air, vacuum, refrigerants, pure and ultra-pure water etc.

Ventilation systems

Planning of ventilation and exhaust and their interfacing with the central building ventilation system are covered in the realm of the space related engineering effort.

Instruction

Service

Skilfull instruction and professional training make for shortest possible schooling and introduction, thus guaranteeing efficient performance already from day one.

Skilled service and maintenance teams are always at your disposal to assure peak performance of your installation and equipment in the long run. You can also benefit from attractive maintenance agreements.

Counselling.

Counselling by selected and highly competent laboratory experts

On the basis of innumerable challenging projects, we have developed the expertise to have the crucial knowledge in successful designing of leading edge laboratory systems. Our highly qualified experts are available for counselling prior as well as during the realisation of each project. They are able to advise you on the various possibilities, alternatives and their potential implications on your venture, based on your individual starting position.

Key aspects of counselling

- Clarifications pertaining to necessities
- Requirement catalogues
- Non-biased expert opinion
- Studies of possibility
- Pre-selection
- Installation systems
- Definition of equipment
- Technical requirements
- Norms and control systems
- Legal provisions
- Safety aspects





This is what counts

The development of a custom-designed complete solution starts with the recording of your specific requirements and needs. The following fundamental questions need to be addressed:

- Available floor space?
- Existing technical infrastructure?
- Variable or permanent research needs and users?
- Quantity and desired layout of laboratory units?
- Potential requirements for modifications or new construction?
- Desired degree of laboratory installation flexibility?
- Requirements for media supply?

As soon as these requirements are established and all pertinent laboratory and supply-technical information are known, we shall be pleased to make installation recommendations. Hereby, the goal is to propose an optimal array of lab installations and equipment to best meet your individual needs. Your selections represent the basis for the next project step, namely the detailed project planning and engineering phases.

Planning.

Planning – The Basis for successful project realisation

During the planning phase, ideas are transformed into concept proposals. We plan the layout of your laboratory systems and furnish the entire space-related engineering. Our experts configure all technical interfaces, such as in plumbing, electro, gas/pure gas supply and ventilation.

Planning steps

- Concept proposals
- Room-based engineering
- Building-based engineering
- CAD visual lay cut in 3D technology
- Optimising
- Budgeting





Engineering - the very core of planning

Professional laboratory systems contain untold numbers of internal and external interface points. For example the connection of laboratory units with the building control system. Furthermore, specific media need to be supplied to and/or removed from the individual workstations. Finding solutions to these interdisciplinary problem definitions is called engineering.

Engineering entails the layout, adaptation of components and detailed realisation planning of all technical interface points of a laboratory system. We distinguish between the superordinated building engineering, which serves the interfacing of the laboratory with the building technological supply systems and the particular room-related engineering. The latter serves to manage all requirements related to plumbing, electro and gas supply as well as ventilation.

Production.

State-of-the-art production technology – Efficient installation

Our laboratories are among the best worldwide. They are adapted precisely to our customers' requirements and are well known for top precision and reliability. This achievement has its roots in our emphasis on quality, especially pertaining to production and installation. All our laboratory systems are produced and preinstalled in our facilities, referenced by assortment of products. Thus, our own installation crews are able to perform the on-site installation within shortest possible time.





Production facilities

Our most central points of emphasis in production are top-notch material selection and optimal production sequencing. Herein lies the reason why we have always produced our laboratory systems in our own facilities.

We are proud of our fully equipped production units featuring top modern CNC-controlled machinery.

On-time installation

Timely and careful installation of equipment and complete laboratory systems are the basis for our fortitude as a supplier of comprehensive laboratory systems.

Our own well-trained installation teams carry out the on-site installation.

Flexibility.

Modular and expandable with great flexibility

A wide range of superb laboratory equipment and installation systems is at your disposal. Our standard systems are of modular design and distinguish themselves favourably in terms of their degree of mobility and versatility. They are designed to meet your individual requirements: institutional series, special customdesigned series and individual solutions complement our attractive line of products.

Standardised systems:

RL 1 – The basic system

RL 2 – Basic system with increased versatility

RL 3 – Basic cell system

RL 4 – Cell system with increased versatility

RL 7 – The installation concept





Our installation concept saves time and resources

Mobility and versatility are of ever increasing relevance because workstation requirements in laboratories are almost permanently changing. Our modular and versatile laboratory installation systems facilitate simple and cost effective modifications. This is how we define the laboratory system of the future.

Individuality.

We turn your laboratory dream into reality

Individuality is our motto. Do you have an unusual requirement or a very special idea? No matter how far out of the ordinary or how demanding your ideas may be – we are able and eager to design and implement a custom tailored dream laboratory that matches your imagination.

RL School – schools series

Our school series are based on a modular concept that enables the most versatile range of applications and combination possibilities. The standard equipment concept is complemented by a myriad of optional elements.



**RL Individual – individual one-off production**

For exceptional and one-time tasks, we are happy to design and realise individual units.

RL Client – custom series

We produce and equip customer specified laboratory systems in small series. Our laboratory experts stand ready to assist you in developing your very own standards.

Quality.

Certified and proven reliability

Through documented certification and an external testing laboratory, the name Renggli is a synonym for highest reliability and a steady, high level of quality. All our products are continually subjected to integrated quality checks.

Increased safety through testing laboratory

All new and enhanced designs undergo thorough tests in our partners Tintschel Engineering and ThyssenKrupp testing laboratories. These comprehensive test routines are based on latest requirements for air-technological type tests pertaining to laboratory exhaust systems. They guarantee the highest degree of safety and reliability.





Our laboratory systems and fume hoods comply with every required, industry-specific DIN and EN standard.

- Quality and user protection
- Laboratory systems
- Fittings and piping
- Electrical engineering and electronics

These standards are an important attribute and help protecting employees, materials as well as the laboratory itself.

Laboratory equipment.

Comprehensive line of modern laboratory equipment

We offer a broad line of first class laboratory equipment for a wide variety of applications. In addition to our position as dealers for numerous renowned manufacturers, there is our private brand SalvisLab.

salvisLAB

by **renggli**

BROUWER

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Washing and cleaning

- Washers and Dryers

Demineralised- and purewater

- Demineralised- and purewater systems
- Reverse osmosis systems

Cooling and freezing

- Laboratory refrigerators and freezers
- Refrigeration and freezing cells

Drying and incubating

- Drying ovens (Thermocenter)
- Vacuum drying ovens (Vacucenter)
- Incubators (Incucenter)
- CO₂-Incubators (Biocenter)

Autoclaves and sterilizers

- Vertical- and tabletop autoclaves
- Double door autoclaves

Thermoregulation

- Unistats/Polystats
- Bath-Thermostats

Vacuum pumps- and systems

- Vacuum pumps
- VACUULAN

Safety and environmental protection

- Safety cabinets
- Combi safety cabinets
- Under-bench cabinets

Instruction.

Professional instruction – Dependable maintenance and service

In order to guarantee a smooth performance of our laboratories, we are giving emphasis to intensive customer training with the new equipment. In addition, our own maintenance and service crews ascertain perfect performance of the new installations and equipment. You can also benefit from our attractive service agreements.





Thorough introduction

Upon successful transfer of the operational laboratory system, all future users receive comprehensive instructions pertaining to the application and possibilities of the new infrastructure. A thorough introduction makes for efficient acquainting and guarantees trouble-free usage from day one.

In-house maintenance and service teams

Perfect performance of our laboratory installations and equipment is our primary concern. That is the main reason for our system solutions to be accompanied by a comprehensive service package for preventive maintenance. Our maintenance and service teams periodically groom the systems of our customers and stand ready to solve problems in an emergency. Furthermore, we maintain our own repair shops and a well-stocked spare parts department.

Service.

Reliable service – Perfect maintenance

Our highly trained service and maintenance team provides everything to guarantee smooth operation of your laboratory.

Profit of our services:

- 24/7-Service
- Consulting
- Installation und comissioning
- Maintenance of equipment and laboratory systems
- Calibration
- IQ/OQ

Do you have devices included in the following list? We have a service solution:

- Drying and incubation
- Washing and cleaning
- Refrigeration and freezing
- Thermoregulation
- Demineralised- and purewater
- Safety workbenches
- Mobile fumehoods
- Autoclaves and sterilizers
- Vacuum pumps and -systems
- Safety and environmental protection
- Shakers
- Climachambers
- Centrifuges



References.

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Biopôle III, Epalinges
Carbogen Laboratories AG
CESSNOV Yverdon, Gymnase d'Yverdon
Chocolat Frey
CHUV - UNIL, Lausanne
Cilag AG, Schaffhausen
Clariant Tech Center
Collano, Sempach
Collège de Candolle, Genf
Collège de Forges, la Chaux-de-Fonds
Collège de Préverenges, Préverenges
Cytos Schlieren
Dow Chemical, Horgen
EAWAG, Dübendorf
ECDD, Fribourg
Ecole d'Ingénieurs de Fribourg
EMPA, Dübendorf
EMPA, St. Gallen
EPFL, Ecublens
EPFL, Lausanne
EPFL, Sion
ETAT, Epalinges
ETH, Zürich
Fachhochschule Luzern
Fenaco, Sursee
Feusi AG, Bern
Fimrenich SA, GE
GABA, Therwil
Geistlich Pharma AG, Wolhusen
GHZ, Schlieren
Givaudan, Dübendorf
Givaudan, Kempthal
Glenmark Pharmaceutical, La Chaux-de-Fonds
Glycard AG, Schlieren
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Pathologie, Zürich
Philipp Morris Institute
Police Cantonale, Vaudoise
Polyphor, Allschwil
PSI - Paul Scherrer Institut
Roche Diagnostics, Rotkreuz
SHL, Zollikofen
Siegfried, Zofingen
Sigma Aldrich, Buchs SG
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Straumann, Basel
Syngenta SA, Monthey
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Tierspital, Bern
UNI Basel
UNI Bern
UNI Fribourg
UNI Genf
UNI Lausanne
UNI Zürich
Unispital, Zürich
Vifor, St. Gallen
VIRUS Mittelhäusern
Wafertec, Thun
Weleda, Arlesheim
ZHAW, Wädenswil

International

ABB Power Generation Ltd., Indonesia
Bachem Inc. Fine Chemicals, USA
Balzers, St. Petersburg, Russia
Ciba-Geigy, Indonesia
Ciba-Geigy, South Africa
Dragon Laboratory Instruments Limited, China
Ferrero China, China
Global Green, China
Instituto de Aprovechamiento de Platanos, Ecuador
International Tobacco, Kunming, China
Kadoori Farm, Hongkong, China
KRKA Pharmaceutical, Novo Mesto, Slovenia
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University of Budapest, Hungary
University of Taragona, Spain
Universities of Al-Fatih, Tripoli, Garmisi, Lybia
Universities of Daman, Hafafut, Bah, Bah, Saudi Arabia
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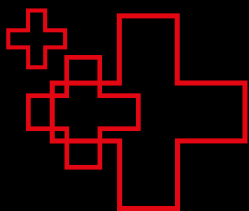
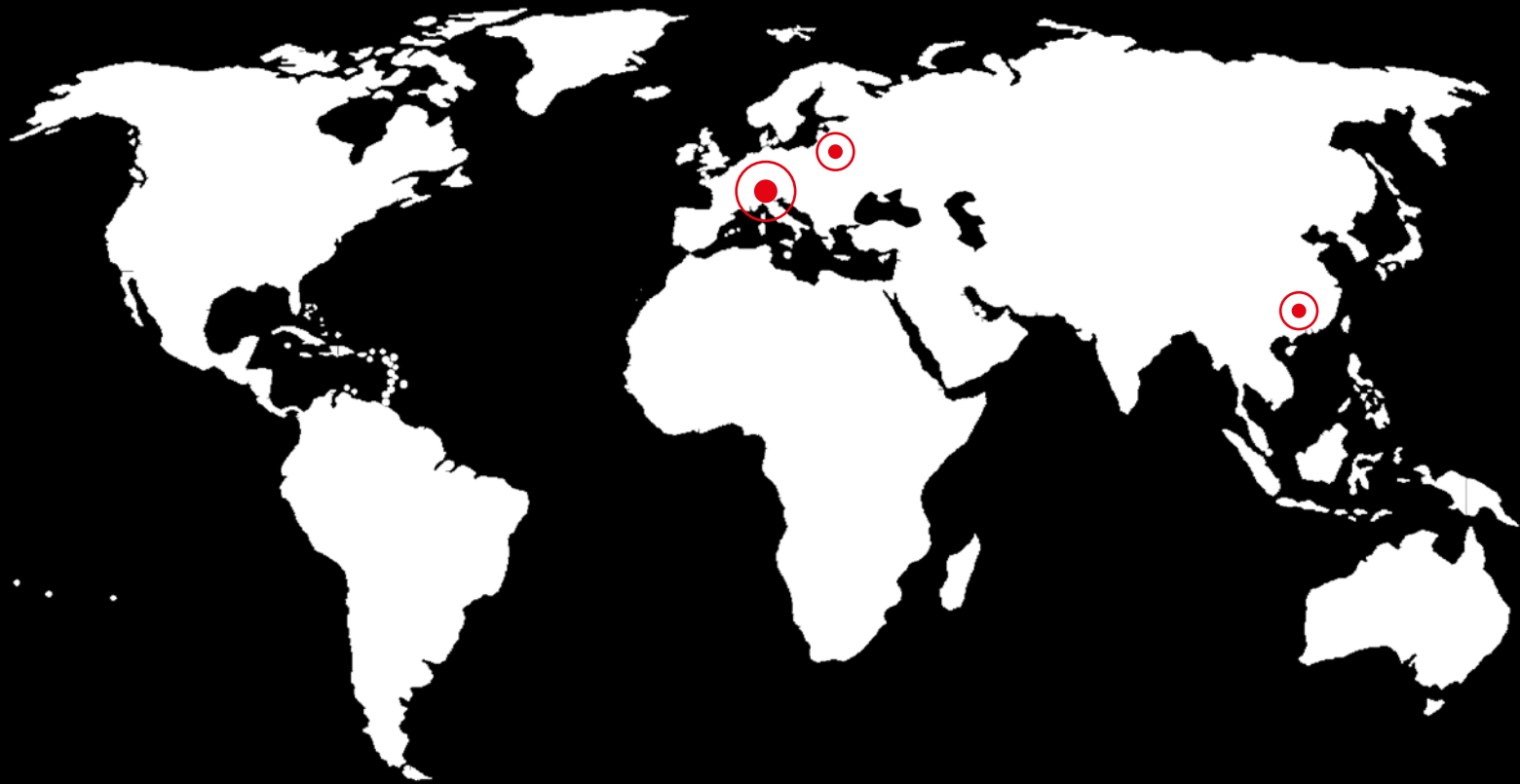
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