Trend setting
Laboratory Technology

Laboratory Installation Systems

renggli
Laboratory
Systems

Jann Renggli

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 and Austria, Renggli designs and implements state-of-the-art laboratories for research, industry, medicine and education. 230 dedicated employees, branch offices in Switzerland, Germany and Austria, 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.

Rotkreuz/Zug, Switzerland

Renens/Lausanne, Switzerland

Traiskirchen/Vienna, Austria

Munich, Germany

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Laboratory Systems

Switzerland/ International

Germany

Austria

Laboratory Installation Systems – individual and modular

We have accumulated decades of experience in laboratory design and realisation and are happy to offer a wide selection of top grade laboratory installation systems. Our standard systems are based on a modular concept and distinguish themselves favourably through their high degree of mobility and flexibility. In addition, we design and produce a line of special systems that are fully focused on individual customer requirements.

Standardised systems

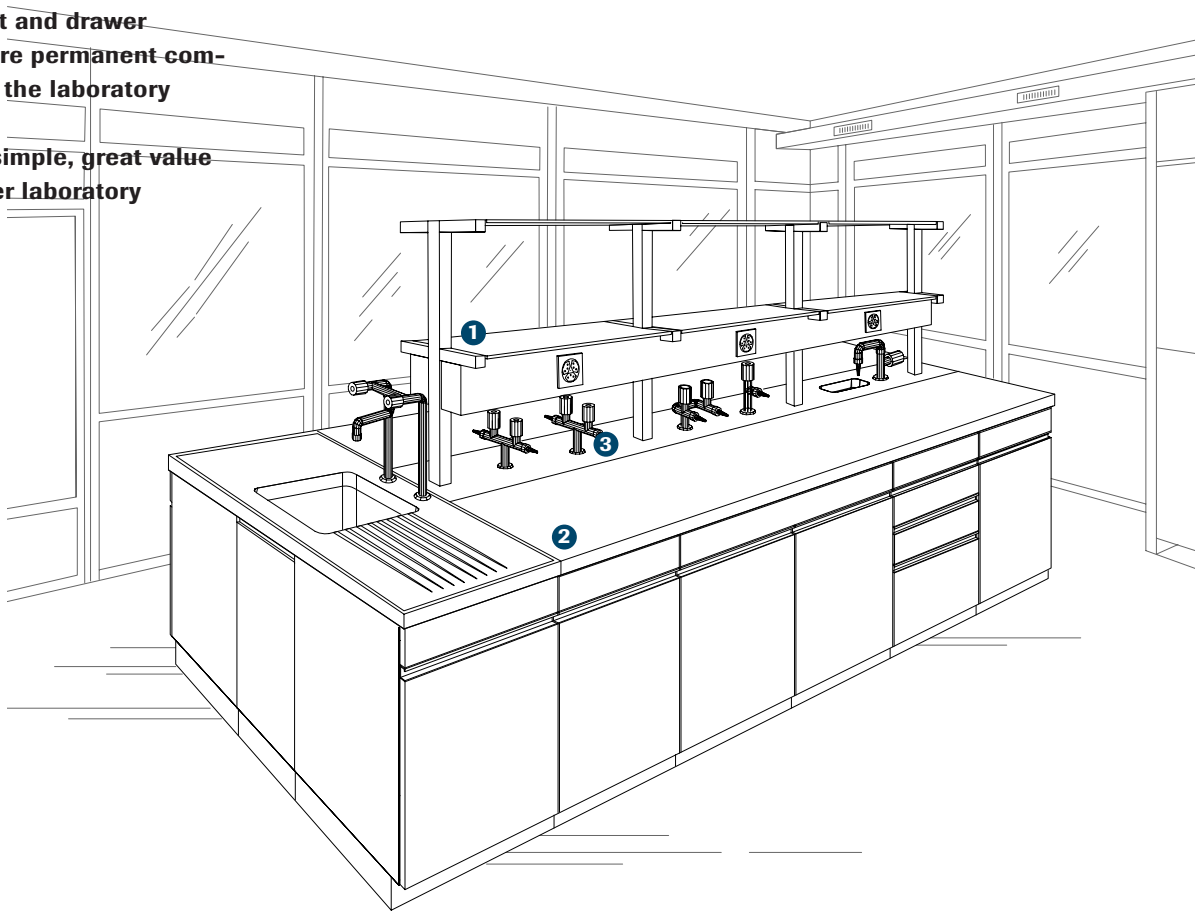
Special systems

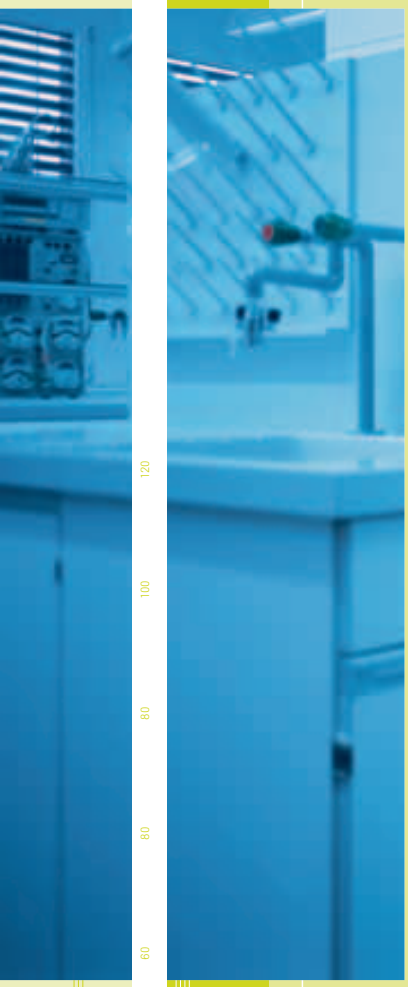
RL 1

RL 1 – The basic system

Professional laboratory installation systems for clearly defined requirements. The under bench elements and bench tops are assembled into a unit. Above bench installations and media channels are permanently installed.

- For laboratories with long term basic layout
- For clearly defined workstation requirements, intended for long term use
- Lots of under bench storage space due to smart base design
- The cabinet and drawer elements are permanent components of the laboratory bench
- Compact, simple, great value
- Ideal starter laboratory





Deckenstützen
Justierbar
Platte
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1
The two above bench shelves are ideally suited for storage of reagents as they are infinitely height adjustable.

2
The bench tops are permanently interconnected with substructures.

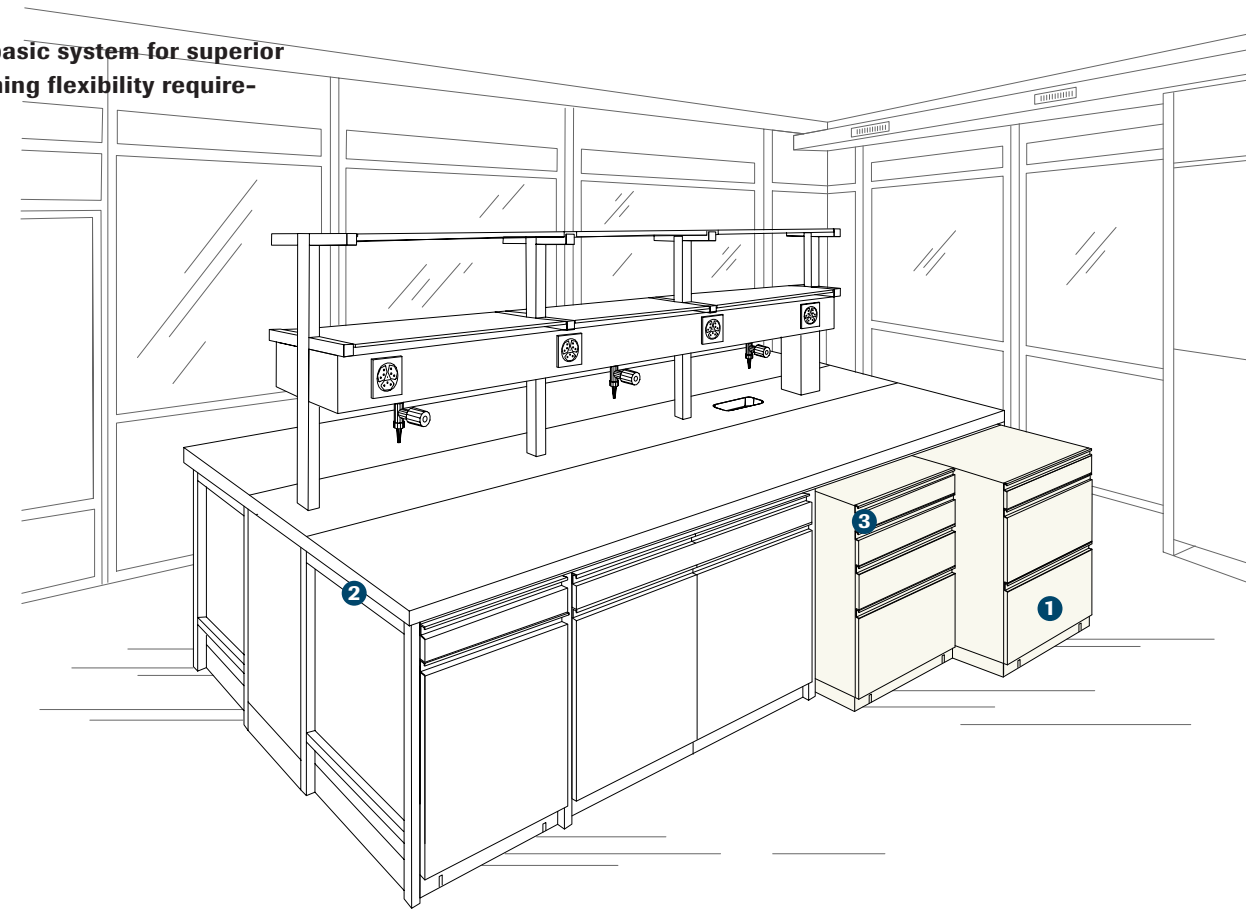
3
Sanitary media are supplied through standard armatures, placed on bench surface according to customer's preference.

RL 2

RL 2 – Basic system with increased versatility

Extensive conversion and adjustment options resulting from variable substructure design. The cabinet and drawer elements are of mobile characteristics, inserted under bench frames and may be exchanged or re-positioned at will.

- For applications with frequent alteration of work station requirements
- Easy exchange of under bench elements such as cabinet and drawer sets
- Lots of under counter storage space due to smart base design
- Ideal basic system for superior furnishing flexibility requirements



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1
Assisted by rear end casters and front end plastic gliders, under bench units may easily be exchanged.

2
Bench frames, made of powder coated steel profile tubing are assembled with the bench tops to a unit, fully independent of substructures.

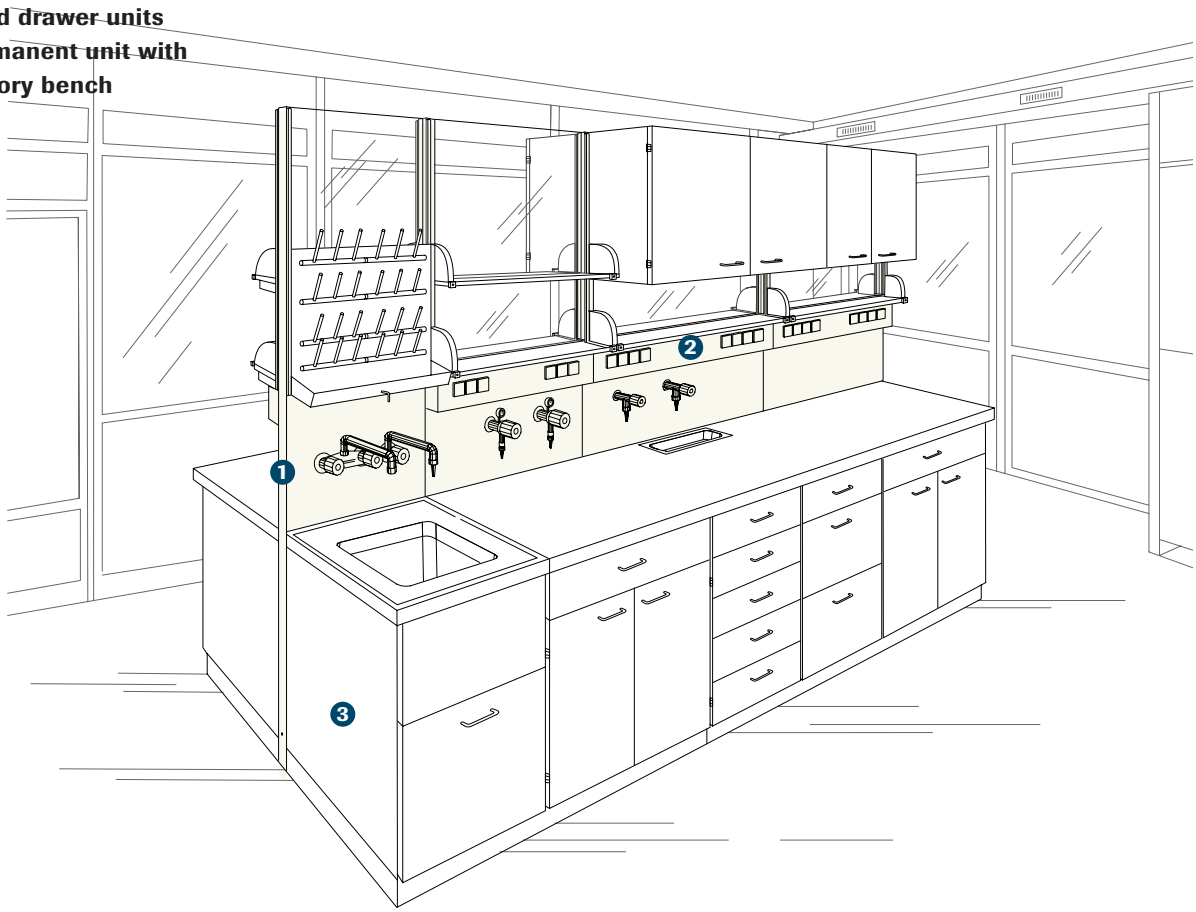
3
Grip handle bars are covered with plastic caps as a precaution against injuries. Lettering tags on drawer fronts facilitate keeping track of contents and make for tidiness.

RL 3

RL 3 – Basic cell system

Functional laboratory system, based on adoption of energy cells, thus providing laboratory benches great independence in terms of energy supply and waste management. Under bench units and bench tops are mounted on a permanent base unit.

- Energy cell system for substantial sanitary and media installations
- For clearly defined long term work station requirements
- Plenty of under bench storage space, resulting from clever base design
- Cabinet and drawer units form a permanent unit with the laboratory bench



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1
The energy cells as the true nerve centre of the installation systems support the entire energy and media supply.

2
Sheet metal, plastic or aluminium channels make for clean storage of all electro installation links such as fine distribution units, terminal boxes as well as the required quantity of receptacles.

3
All under bench structures are permanently installed on a base construction. Access to the media installations is enabled by sliding rear panels in the substructures.

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3 Steckdosen
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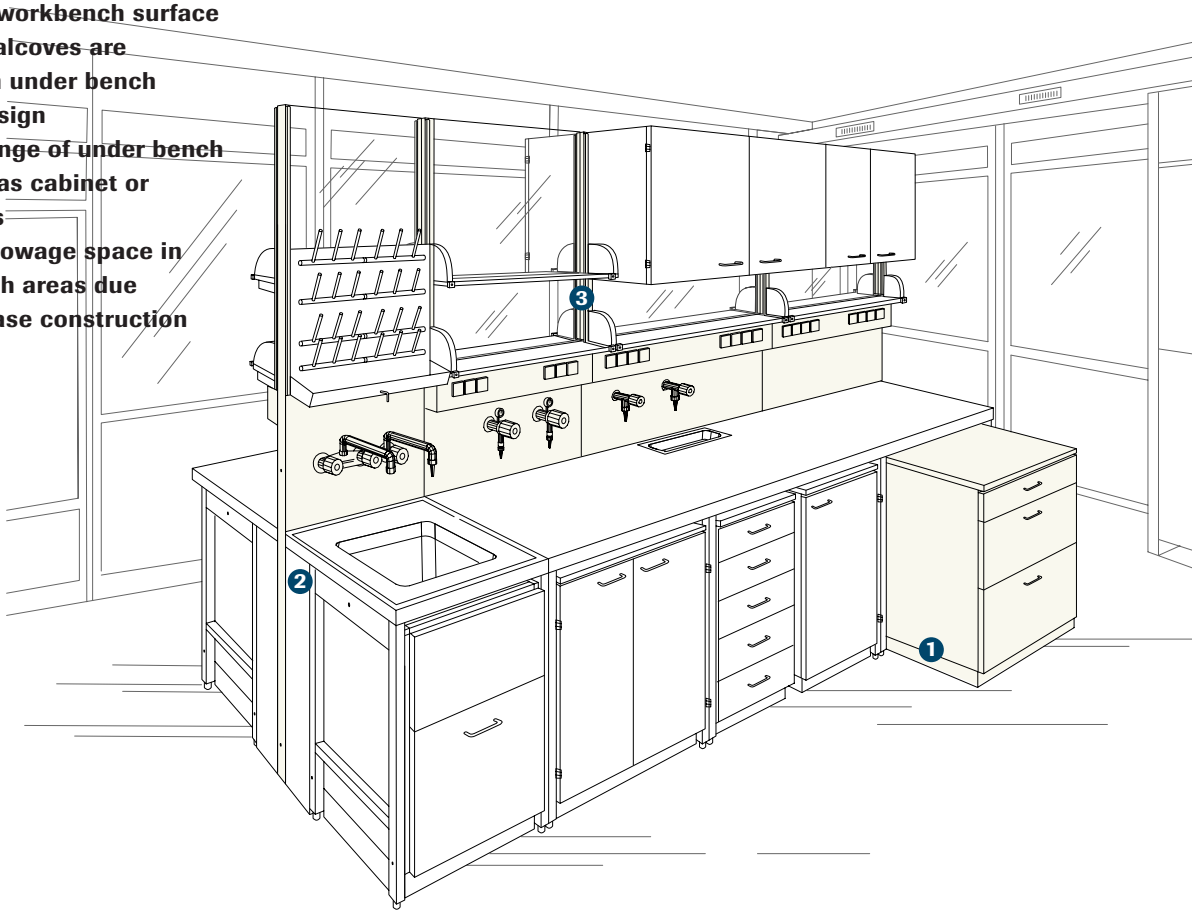
RL 4

RL 4 – Cell system with increased versatility

Energy cell system, providing extensive modification and variation possibilities. The mobile substructures are inserted under the bench frames, thus enabling easy relocation and replacement.

- Pre-installed cells for variable installation of sanitary and media supply elements
- Independence of laboratory benches from energy and media supply
- For applications with changing work station requirements
- Additional workbench surface or seating alcoves are available in under bench pull-out design
- Easy exchange of under bench units such as cabinet or drawer sets
- Plenty of stowage space in under bench areas due to clever base construction



1
Rear casters and front plastic sliders facilitate relocation of under bench elements after slight lifting.

2
The bench frames are fastened to energy cells and are permanently connected with the bench top.

3
Additional storage units, optional console extensions and cabinets may be suspended from the cell raster rails above the bench area.

1

2

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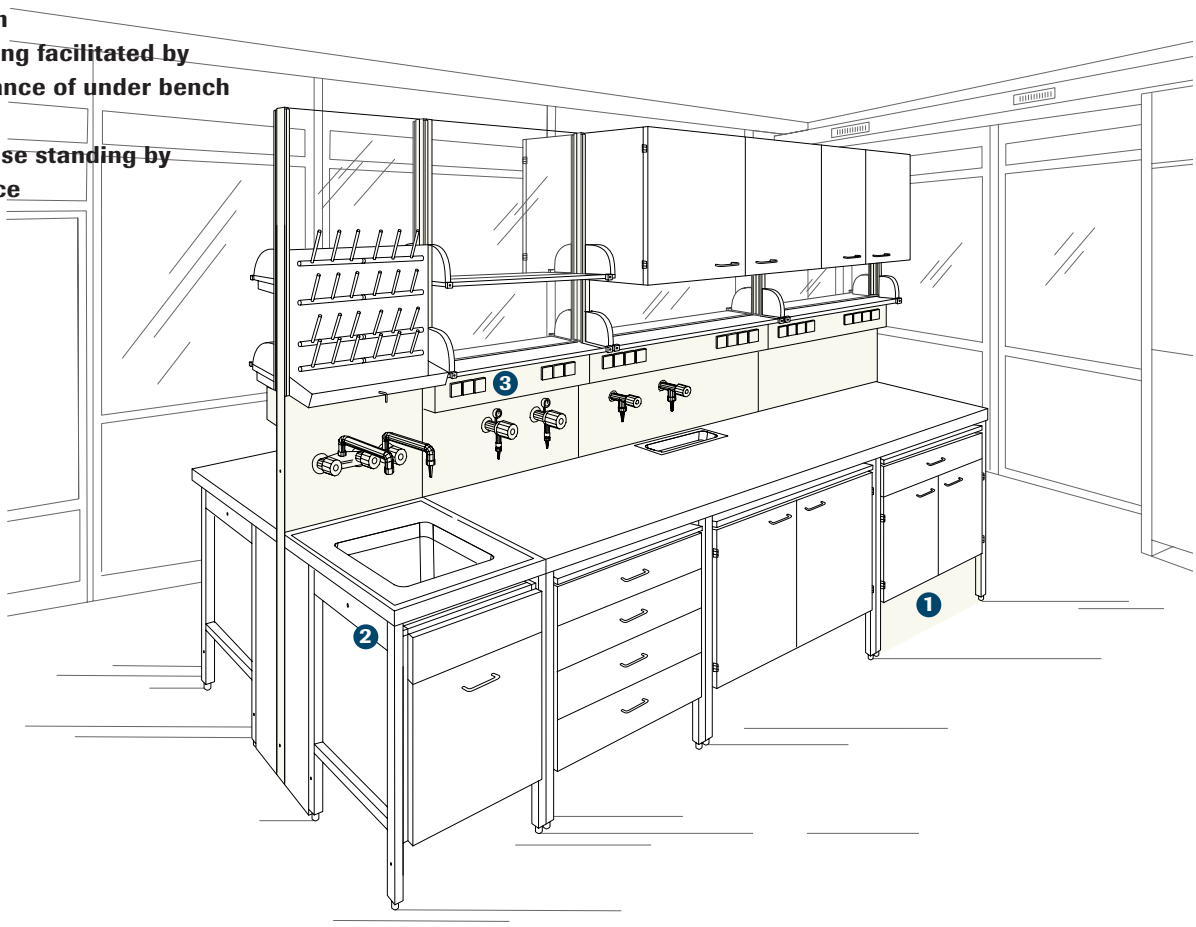
RL 5

RL 5 – Cell system with suspended under-bench cabinets

Energy cell system, combining independent energy supply with the advantages of suspended under bench units. The gained floor clearance facilitates cleaning and adds an air of elegance.

- Pre-installed cells for variable installation of sanitary and media supply devices
- Independence of laboratory benches from energy and media supply
- Exchangeability of under bench units due to flexible suspension system
- Easy cleaning facilitated by floor clearance of under bench units
- Permits close standing by work surface



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1
The design offering floor clearance looks quite elegant and facilitates optimal cleaning.

2
The under bench units are hooked into the sturdy steel frame. Combination and exchangeability of elements are possible anytime.

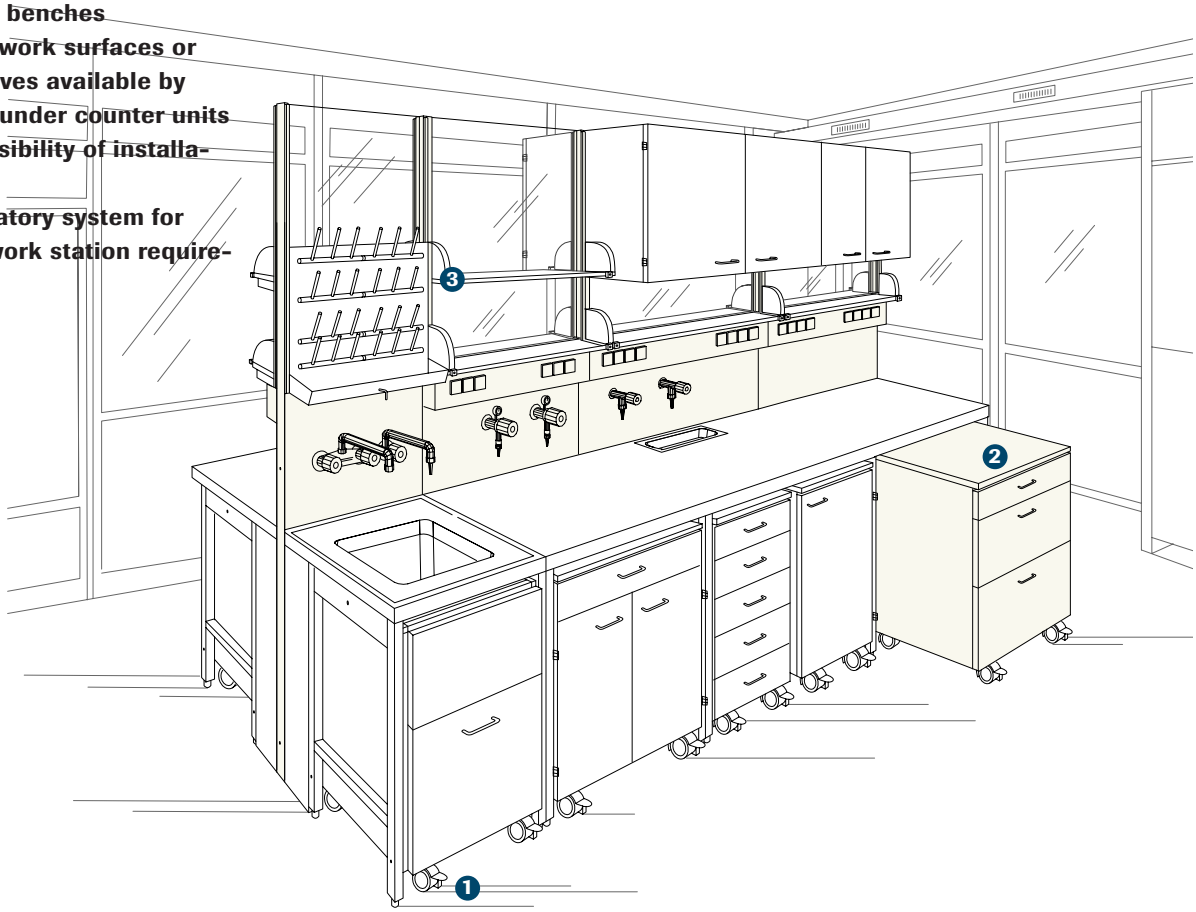
3
Simple retrofitting and a maximum number of sanitary and gaseous dispensing points is achieved through horizontal row punches on a 75 mm raster basis, located in the energy cells.
On the front side, these punched holes are shrouded by a removable, flat surface sanitary panel.

RL 6

RL 6 – Cell system with maximum versatility

Energy cell system with highest flexibility. All under bench elements are of mobile design and may be relocated with great ease. Mobile laboratory benches may be attached to the cell. The easy accessibility of the installation area is designed to save time and cost in case of refurbishing.

- Pre-installed cell sectors for variable installation of sanitary and media equipment
- Independence of laboratory benches from energy and media supply
- Complete mobility due to mobile under bench elements and mobile benches
- Additional work surfaces or sitting alcoves available by pull-out of under counter units
- Easy accessibility of installation area
- Ideal laboratory system for changing work station requirements



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1
Maximum flexibility is achieved, when all under bench elements are equipped with casters.

2
Simple pull-out of under bench elements makes for additional work space or seating alcoves.

3
The frames and racks over laboratory benches are mounted on the energy cell. They offer space for reagents and accessories.

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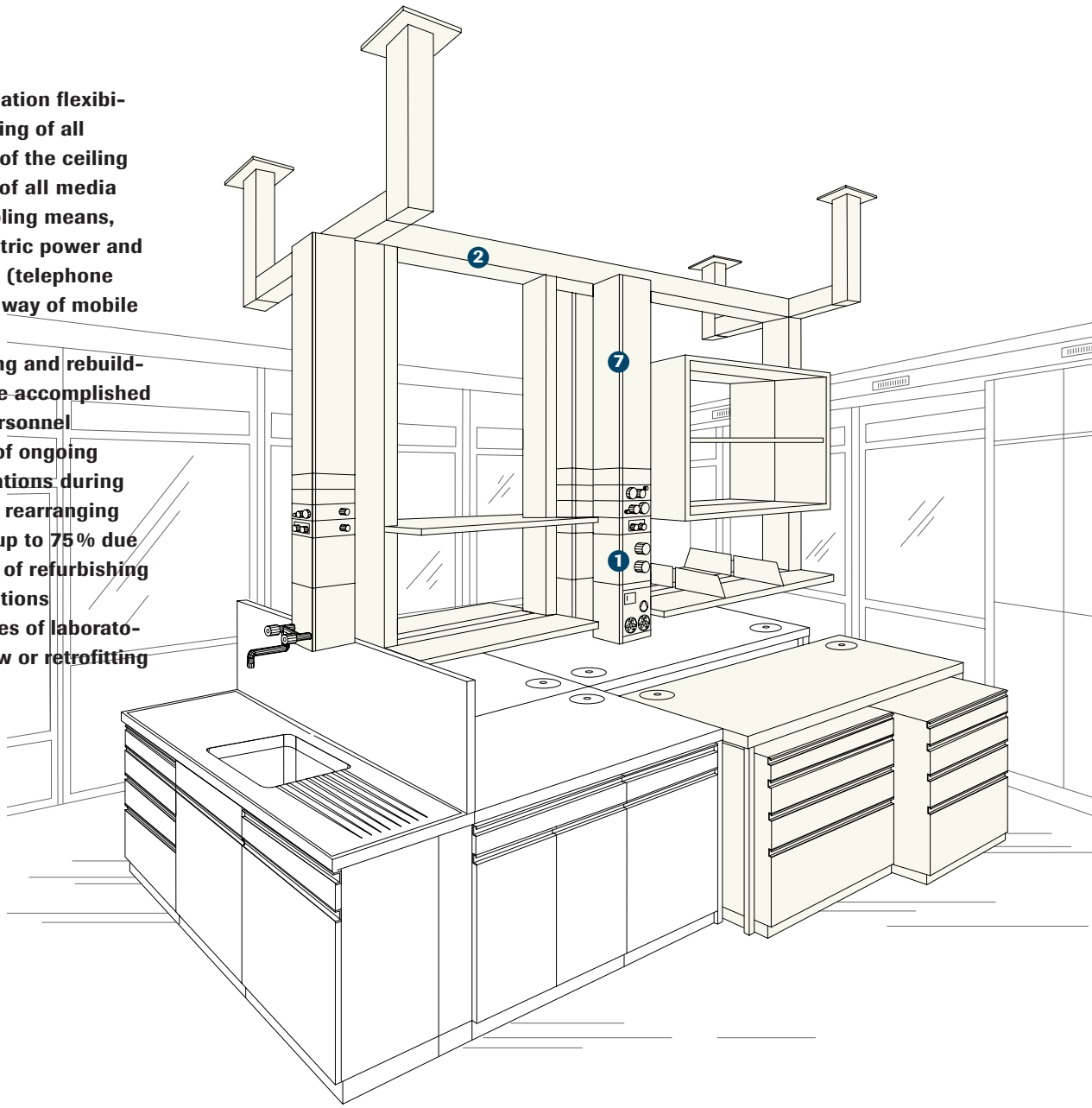
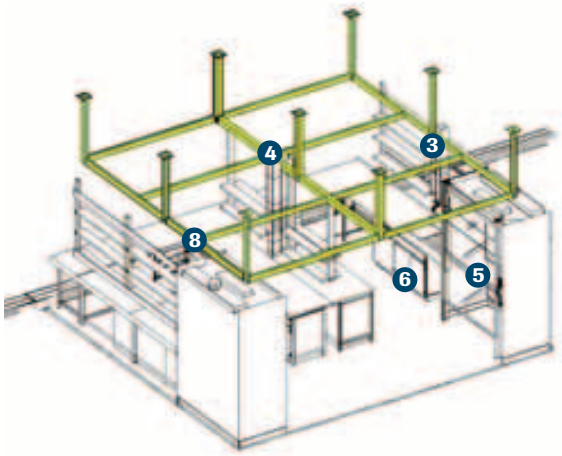
RL 7

RL 7 – The installation concept

The highly flexible laboratory concept offers almost unlimited variability. Consequent supply and distribution of media by way of the ceiling results in complete facility flexibility. Partition walls, laboratory furnishings and the entire media supply are of mobile design and may easily be rearranged.

- Maximum installation flexibility through feeding of all supplies by way of the ceiling
- Precise feeding of all media such as gas, cooling means, water, light, electric power and communications (telephone and IT feeds) by way of mobile media columns
- Simple post fitting and rebuilding may easily be accomplished by laboratory personnel
- No interruption of ongoing laboratory operations during refurbishing and rearranging
- Cost savings of up to 75 % due to the simplicity of refurbishing and post installations
- Suited for all types of laboratories, whether new or retrofitting





1
The exchangeable modules of the media columns enable simple and efficient refurbishing and retrofitting with media such as gas, water, air, vacuum and electro.

2
The aluminium ceiling grid profiles are designed to jump a span of up to four meters and have a load capacity of two metric tons. If desired, the allowable carrying capacity may be increased depending on requirements.

3
Media columns may be designed to swing out of way in case of need for additional space.

4
The array of media distribution blocks on the ceiling grid profiles enables flexible docking of additional supply positions.

5
The new installation concept enables exhaust units to easily be shifted at will by a forklift truck.

6
Due to the modular design principle, the laboratory system RL 7 encompasses total mobility. Even discarding chemicals features mobility.

7
The light weight design of media columns enables the user to relocate them without any outside assistance. It is thus a matter of few hours to relocate entire laboratories or parts thereof.

8
As an option, media distribution blocks are available as ceiling suspended interface panels.

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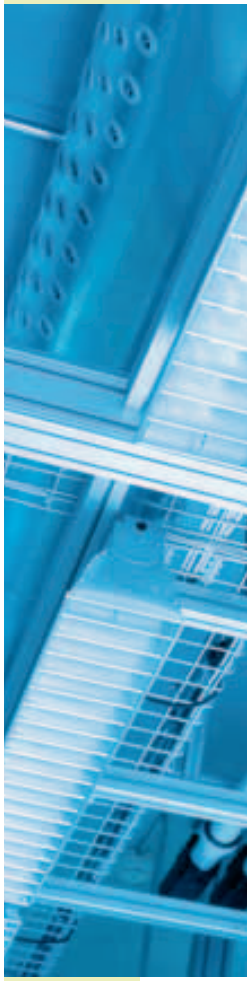


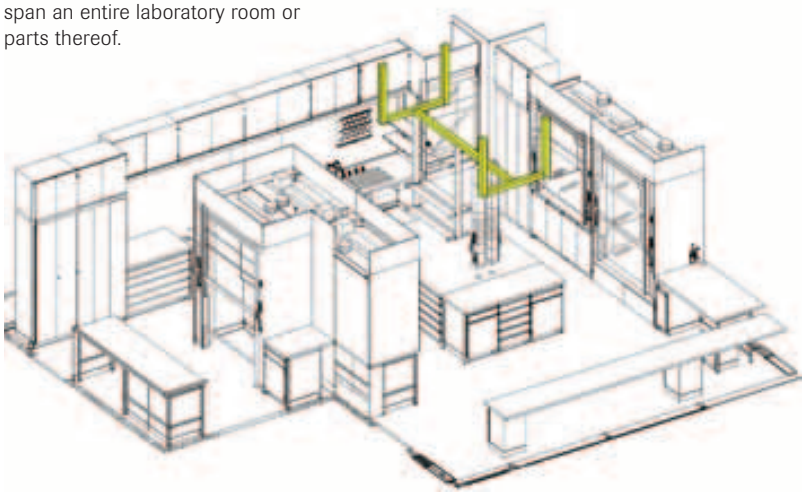
The installation concept RL 7 is a joint design by the Federal Institute of Technology (ETH) Zurich and Renggli and has since become a hot selling item. A substantial and growing number of successful enterprises feature this system.

Reference list

Centre de Recherche Biopôle d'Epalinges
Clariant AG
ETH Hönggerberg
Helsinn Advanced Synthesis SA
Heraeus
F. Hoffmann-La Roche
Migros Genossenschaft
PSI Paul Scherrer Institut
Timcal SA

and many more

The aluminium ceiling grid may span an entire laboratory room or parts thereof.



The principle – Everything is mobile

Without exception, all our laboratory furnishings are absolutely flexible and mobile. A ceiling grid, spanning across the entire space carries all building technological installations such as divider walls, ventilation, light, gas, electro and water. This facilitates easy relocation of all components within a short period of time. Thus, the historic refurbishing costs are slashed to a fraction.

**The media column –
Flexible media supply**

Media supply is completely disconnected from the room and building envelope. Supply is facilitated by vertical media columns that are freely suspended from the horizontal ceiling grid. Flexible media hoses and cables permit easy relocation of the media columns.

**The ceiling grid –
Everything is suspended**

A room spanning aluminium installation grid is fastened to the ceiling. Media installations, room divider walls and splash panels are attached to this grid. The same goes for media columns, hanging cabinets, exhaust hoods and storage shelves. The ceiling grid has such a load capacity that it can even carry all building technological installations, i.e. ventilation ducts, media supply channels and lighting cable bundles. This results in substantial installation cost reduction.

RL Individual – Custom tailored manufacturing
We produce your dream laboratory

Individuality is our creed. Do you have an unusual request or a special requirement? We design and realize your dream laboratory, tuned to your exact requirements and ideas.

For Schering, Berlin, a central, ceiling suspended media distribution system has been designed. Room lighting is integrated in the top portion of the duct system.

Reference list

- Ernst von Bergmann-Kaserne
- FCP – Neubau der Fakultät für Chemie und Pharmazie der LMU
- Fraunhofer Institut Stuttgart IPA Oberflächen-technikum
- Klinisch Molekularbiologisches Forschungszentrum
- MPI für Chemische Physik fester Stoffe
- MPI für Metallforschung
- Schering AG

For the renowned Fraunhofer Institute, we developed and realized an individual concept.

T+T

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RL Client

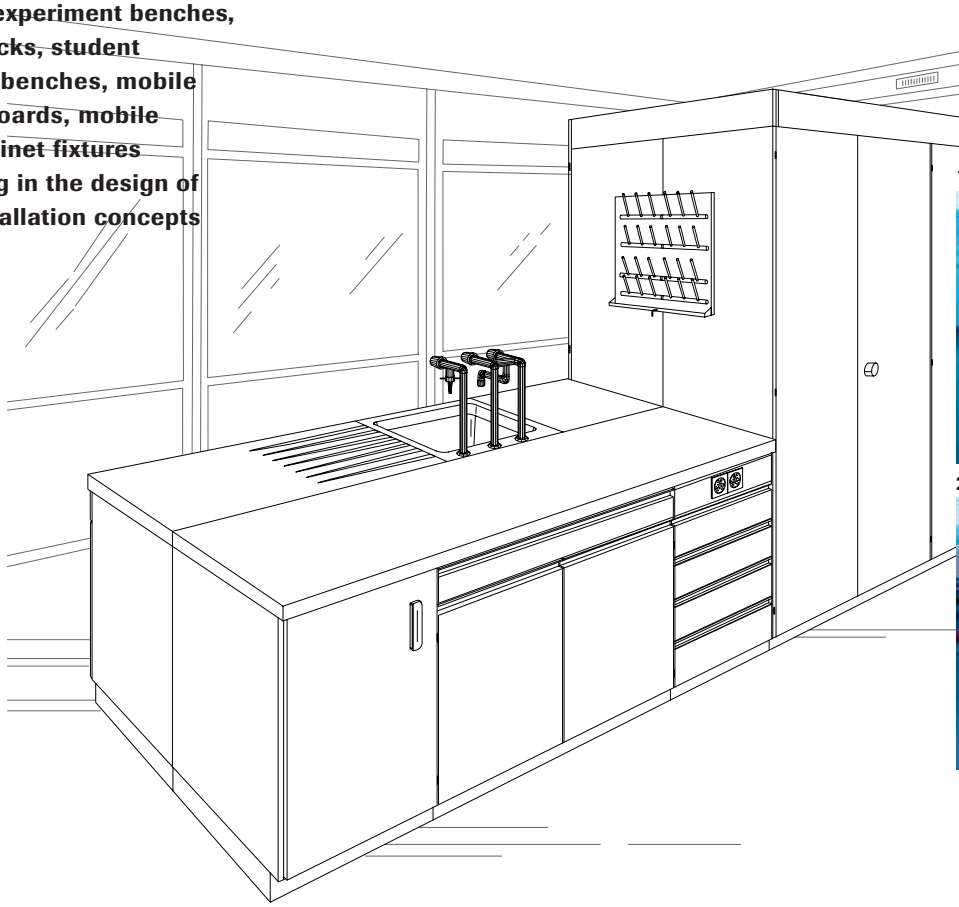
RL Client – Special customer series

We produce and custom-equip laboratory systems. Our laboratory experts are able and very willing to support you in the development of your own laboratory installation standards.

RL School – School laboratory installations

Proven laboratory systems for schools and education. Our school laboratory installations are based on a modular concept, permitting a wide range of applications and combination options. The basic installation may be complemented by a multitude of additional elements.

- Long term experience in design and production of school laboratories for natural science education
- Standard equipment is based on the professional series RL1 and RL2
- Special optional elements: instructor experiment benches, energy blocks, student laboratory benches, mobile fume cupboards, mobile tables, cabinet fixtures
- Counselling in the design of school installation concepts



1

2

1
Teacher experiment bench

2
Student benches

3
Wall combination sink consoles

4
Mobile fume cupboards

5
Sanitary supply lines and waste ducts as well as electric supply are cleanly integrated in the energy blocks.

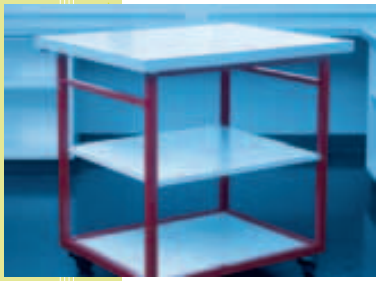
6
Mobile tables

3

4

5

6



Reference list

Amerikanische Schule, Kilchberg
Berufsschule, Schaffhausen
Centre professionnel cantonal, Fribourg
Collège de la Fontenelle, Cernier
Collège et école de commerce Emilie-Gourd, Genf
Collège intercommunal du Val-de-Travers, Fleurier
Collège Rousseau, Genf
Collège Sous-Ville, Avenches
Ecole professionnelle, Bulle
Ecole professionnelle EPSIC, Lausanne
Ecole professionnelle, Sion
Ecole secondaire du Val-Terbi, Vicques
Gymnase cantonal du Bugnon, Lausanne
Gymnasium, Appenzell
Gymnasium Leonhard, Basel
Neue Kantonsschule Zelgli, Aarau
Oberstufenschule Furren, Einsiedeln
Oberstufenschule Gelbhausgarten, Schaffhausen
Oberstufenschule, Hombrechtikon
Oberstufenschule Loreto, Zug
Oberstufenschule Mariahilf, Luzern
Oberstufenschule Riedmatt, Wollerau
Oberstufenschule Riedtli, Zürich
Oberstufenschule Sennweid, Baar
Pädagogische Hochschule Hadwig, St.Gallen
Sekundarschule, Rupperswil

and many more

Germany, Austria, Switzerland

Industry and Research

Böhringer Ingelheim, Biberach, Germany
FCP, Grosshadern, Germany
Forschungszentrum Caesar, Bonn, Germany
Fraunhofer Institut Golm, Germany
Fraunhofer, Stuttgart, Germany
Max-Bürger-Forschungszentrum, Leipzig, Germany
MPI für Biophysik, Frankfurt, Germany
MPI für Infektionsbiologie Charité, Berlin, Germany
Schering, Berlin, Germany
Arzneimittel Wien, Austria
Biochemie Kundl, Tirol, Austria
IAEA, Seibersdorf, Austria
Lannacher Heilmittelwerke, Lannach, Austria
Novartis, Forschungszentrum Wien, Austria
OMV, Schwechat, Austria
Roche Diagnostics, Graz, Austria
Semperit, Wimpassing, Austria
ABB, Baden, Switzerland
Alusuisse, Chippis, Switzerland
Ascom, Bern, Switzerland
Carbogen Laboratoires, Hunzenschwil, Switzerland
Coop Schweiz, Pratteln, Switzerland
Lonza, Visp, Switzerland
Nestlé, Vers-chez-les-Blanc, Switzerland
Novartis, Basel, Switzerland
Novartis Biocenter, Stein, Switzerland
Roche, Basel, Switzerland
Shell Switzerland, Basel, Switzerland

Education

Biotech-Biomed Zentrum Leipzig, Germany
Brandenburgische Techn. Universität, Cottbus, Germany
Hessische Landesanstalt für Umwelt-schutz, Wiesbaden, Germany
HTW, Dresden, Germany
J.W. v. Goethe Universität, Frankfurt, Germany
Unibauamt Erlangen, Germany
Universität Bremen, Germany
Universität Göttingen, Germany
Universität Hannover, Germany
Universität Potsdam, Germany
Universität Regensburg, Germany
Karl Franzens Universität Graz, Institut für Pflanzenphysiologie, Austria
Leopold Franzens Universität, Innsbruck, Austria
Hirnforschungszentrum Wien, Austria
Technische Universität Wien, Austria
Universitätszentrum Althanstrasse, Wien, Austria
Veterinärmedizinische Universität, Wien, Austria
Eidgenössische Technische Hochschule, Zürich, Switzerland
Gymnasium Appenzell, Switzerland
Ingenieurschule Burgdorf, Switzerland
Schweizerisches Tropeninstitut, Basel, Switzerland
Universität Basel, Switzerland
Universität Bern, Switzerland
Universität Fribourg, Switzerland
Universität Lausanne, Switzerland
Universität Zürich, Switzerland

Medicine

Havelland Kreiskrankenhaus, Nauen, Germany
Kreiskrankenhaus, Freiberg, Germany
Krankenhaus der barmherzigen Brüder, München, Germany
Unfallkrankenhaus Berlin-Marzahn, Germany
AKH Allgemeines Krankenhaus, Wien, Austria
Kaiser-Franz-Josef-Spital, Wien, Austria
Landeskrankenhaus Graz, Austria
Landeskrankenhaus Innsbruck, Austria
Landeskrankenhaus Salzburg, Austria
Landeskrankenhaus Vöcklabruck, Austria
Clinique Bel-Air, Genf, Switzerland
Höhenklinik, Wald, Switzerland
Kantonsspital Genf, Switzerland
Kantonsspital Liestal, Switzerland
Kinderspital St. Gallen, Switzerland
Kreuzspital Chur, Switzerland
Merian-Iselin-Spital, Basel, Switzerland
Pathologisches Institut, Bern, Switzerland
Rheumaklinik, Leukerbad, Switzerland
Universitätsklinik Zürich, Switzerland

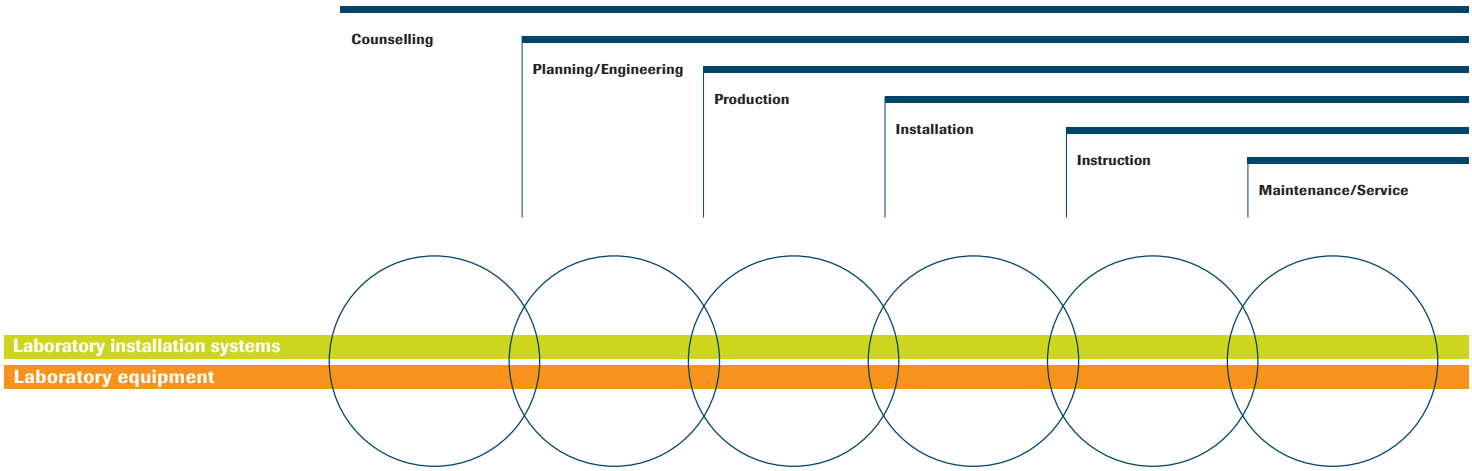
International

ABB Power Generation Ltd., Jakarta, Indonesia
Bachem Inc. Fine Chemicals, Torrance/Los Angeles, USA
Balzers, St. Petersburg, Russia
Ciba-Geigy, Jakarta, Indonesia
Ciba-Geigy, Johannesburg, S. Africa
Global Green, Dongguan, China
Instituto de Aprovechiamiento de Plátanos, Quito, Ecuador
International Tobacco, Kunming, China
Kadoori Farm, Hongkong, China
KRKA Pharmaceutical, Novo Mesto, Slovenia
Lek Pharmaceutical, Ljubljana, Slovenia
Onassis Cardiac Surgery Centre, Athen, Greece
Qatar Medical Faculty, Qatar
Sandoz, Singapore
Sventa, Moskau, Russia
Technische Universität Lissabon, Portugal
Universität von Al-Fateh, Tripoli Garyounis, Libya
Universität Benghazi, Libya
Universität Budapest, Hungary
Universitäten von Damman, Hafouf und Riyadh, Saudi Arabia
Universitäten von Ilorin and Port Harcourt, Nigeria

and many more

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.



All your individual requirements and needs as well as their feasibility are assessed. Pre-selections in terms of equipment, layout and project processing are made in close cooperation with you.

Our professionals efficiently carry out the entire planning as well as space-related engineering. This enables you to deal with just one contact partner.

Production of laboratory installations are implemented in our own manufacturing facilities and are always guided by the individual customer requirements and highest production standards.

Our own, highly skilled installation teams guarantee a timely and professional installation of our laboratory systems.

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.

Laboratory installation systems

We develop, produce and maintain professional laboratory systems for research, industry, medicine and education. In addition, we design and produce custom-tailored laboratory systems that are precisely tuned to the customer’s individual requirements.

Laboratory equipment

We have a wide choice of laboratory equipment available for any application. SalvisLab is our well-known private brand.

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