



Living Space® Solutions

ABB create Architecture for today and tomorrow

Power and productivity
for a better world™



Demands. They change the world to the better. Especially architects and consultants provide perfectly designed living space for people. However, aside from shape and function, also efficiency and profitability have become of great importance today. We have understood the request for holistic and innovative building systems technology. Thus, as a global player, we can provide the right answer. With unique competence. With maximum freedom during design as well as safety and efficiency realizing the projects - whether on the regional level or internationally.

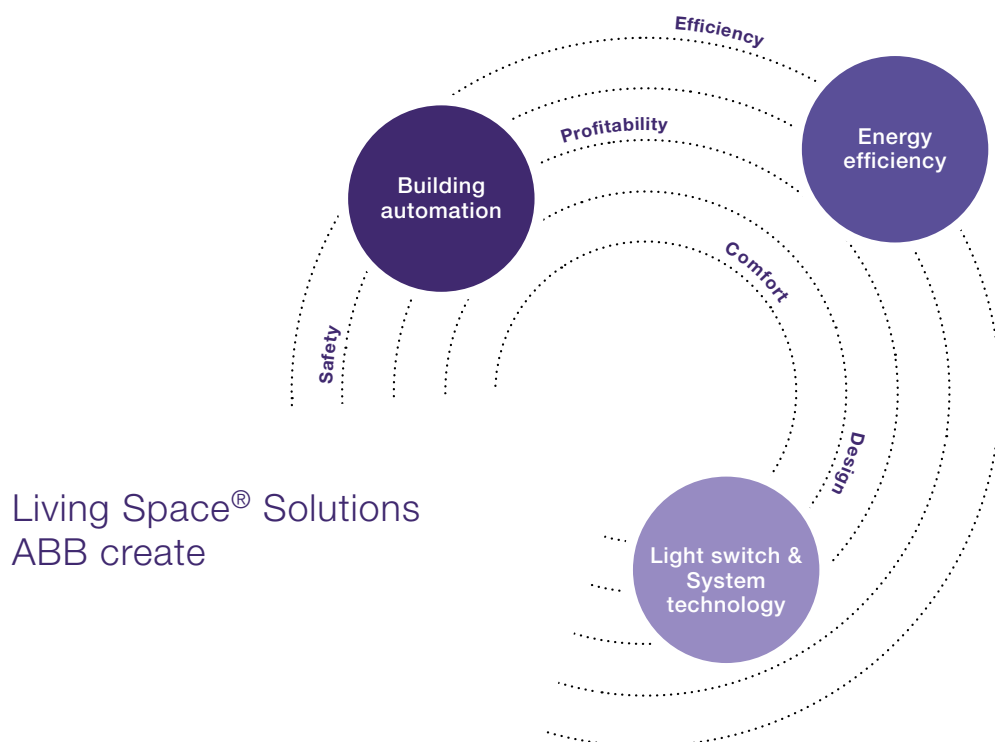
Always the best solution

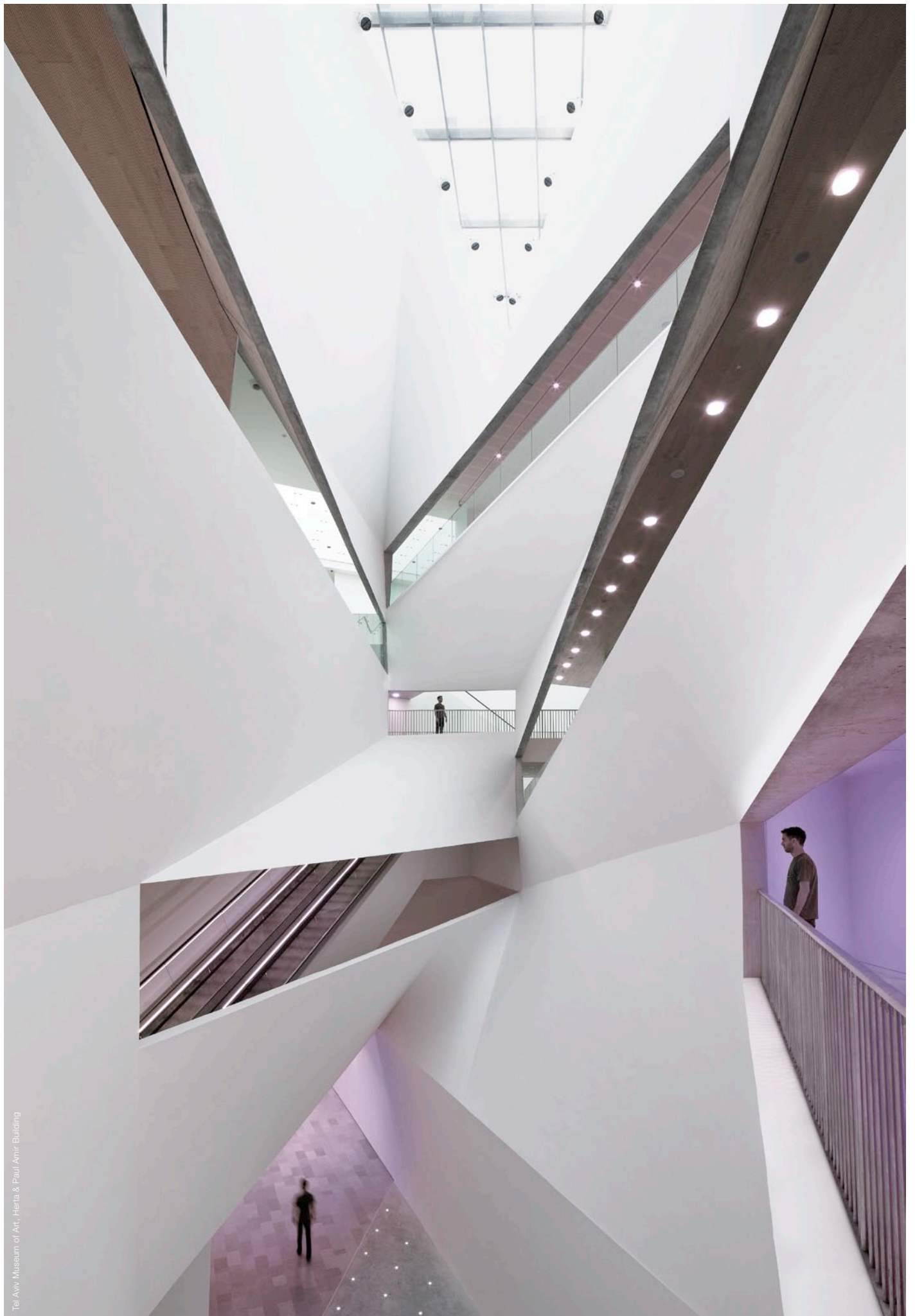
Living Space® Solutions

Intelligence. Ingenious ideas characterize modern buildings. With Living space® Solutions ABB create offers professional designers well-thought-out building systems technology. It is innovative technology and design that has won numerous awards. It is a complete solution starting from light switches and system technology to building automation up to energy efficiency. The overall concept of Living space® creates freedom in high-quality residential housing construction as well as in the luxury hotel sector. This is how ABB helps architects create Living Space.

Living Space® Solutions – all around the building

The quality of modern architecture is influenced by many factors. Therefore, with Living Space® Solutions design, comfort, efficiency, profitability and safety are considered in one context. This is how sophisticated solutions are created.





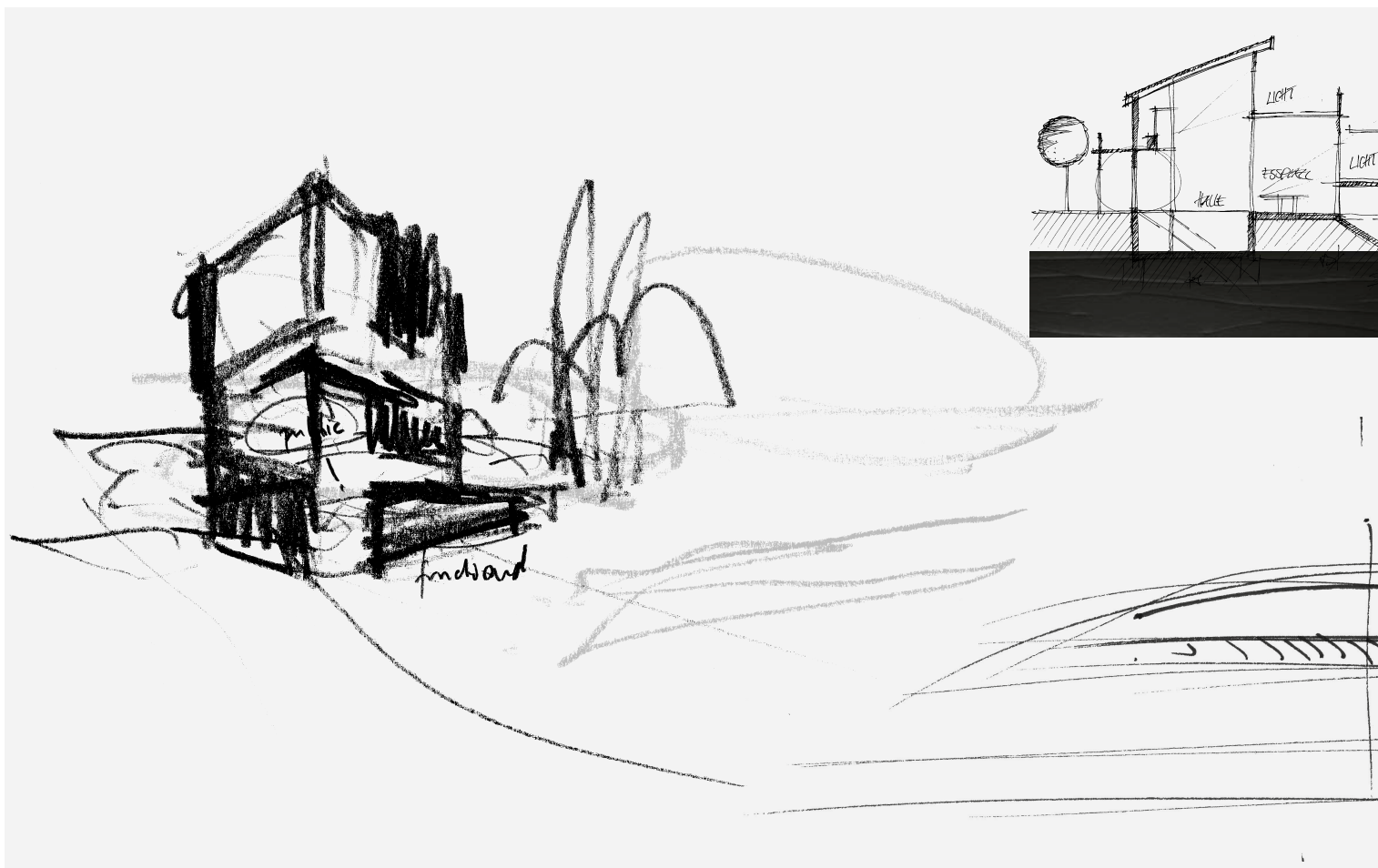
Creativity. The freedom to design. For it inspiration and impulses are essential. ABB create offers these impulses with its new perspectives for the future. For the lasting effect of technology and design allowing architects and consultants to realize their vision with the greatest possibility of freedom.



Visions

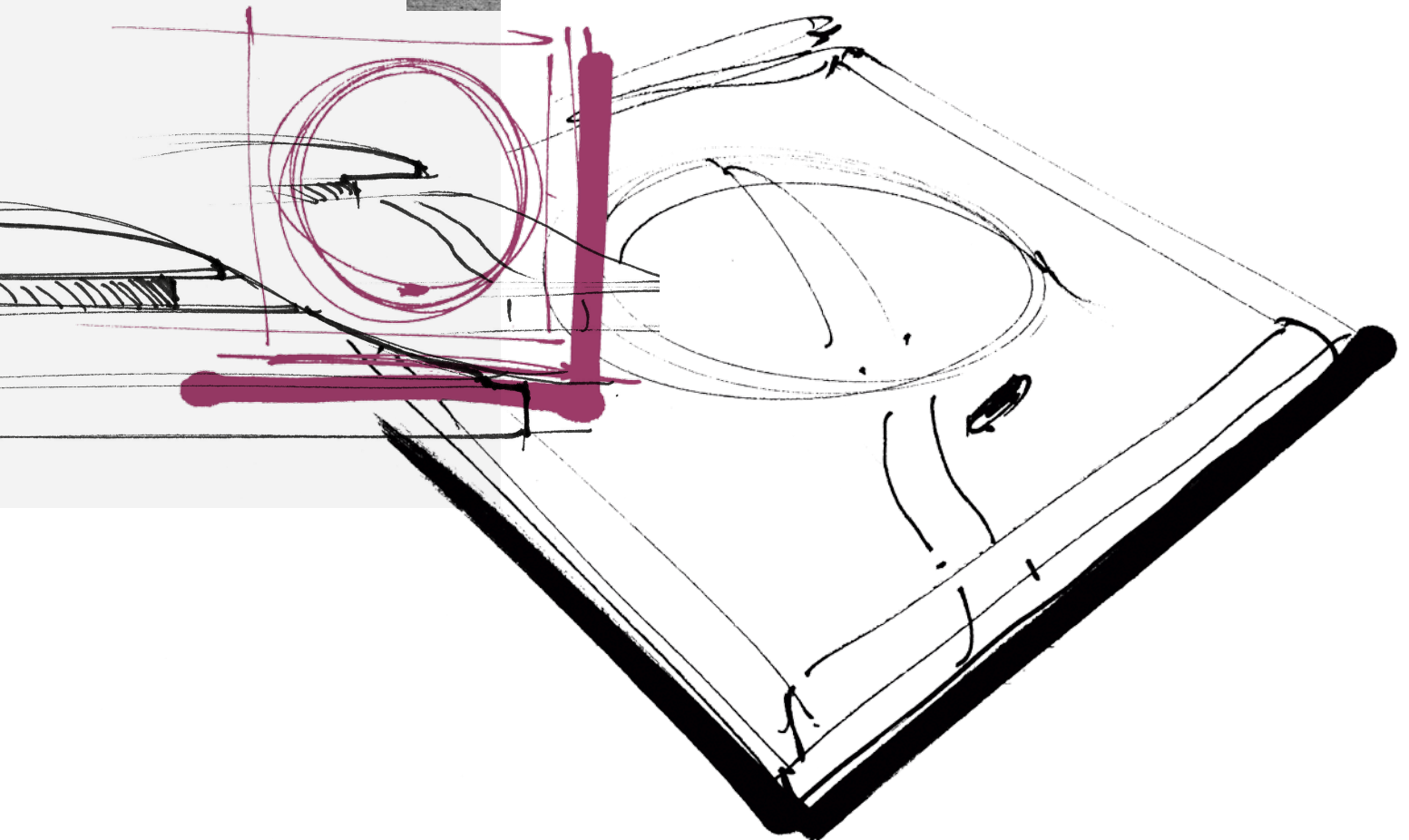
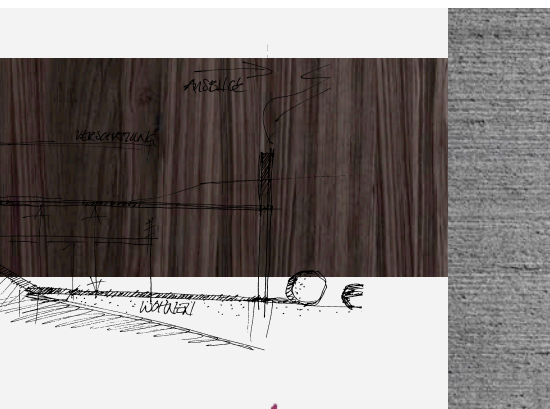
Making the unseen visible

From the first idea up to the perfect detail. When living space appears as thought through from every perspective. When design is complemented by comfort, efficiency and safety. Then a building develops its very own character.



Freedom to think and act

Particularly in the initial phase of finding and drafting the thoughts of the architect should be able to develop more freely. Here Living Space® Solutions can be of assistance because creation as well as technology offer all possibilities – to ensure that the visionary concept is finally turned into optimum reality. Great variety of shapes and functions provide uniformity in design and the most advanced home control.





Identity. For architecture with image.
For this, of course, outstanding design
is needed. The character of a building
is also shaped by its interior values.
Function and efficiency become the
identifying features of common sense.



The material for character

Uniqueness



Personality. The attitude of the designer or investor is reflected in all areas of the building. It becomes visible by design. It is experienced by function. It is felt by comfort. Profitability makes it affordable. This is made possible with Living Space® Solutions for building systems technology from ABB create.



Individual style in every shape

Excellent architecture requires artistic harmony of design and individual expression. That is why the aesthetics of the visible building systems technology should blend in perfectly with the overall image of the room. This means that in the ideal case the light switch also corresponds perfectly with its surroundings and the people within it. Doing this with attractive optics and haptics.

ABB create offers all available possibilities for distinctive architecture. The various switch ranges are available in numerous variations of materials, shapes, surfaces, styles and colours. The quality of the design is acknowledged by even the most critical experts. And it has been awarded with national and international prizes for many years over and over again.

Switch range carat®,
anthracite/glass black

Clear confession due to clear lines. This is how the detail corresponds to the perfection of the architecture.



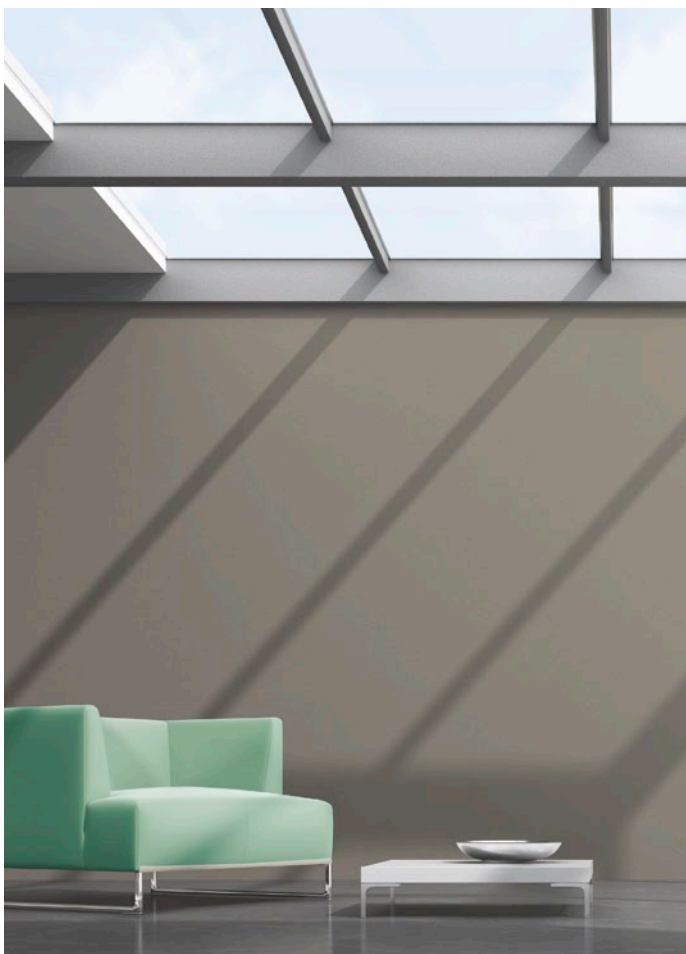


Responsibility. For people in their daily lives. Sustainable living space can be created with energy efficiency, future serviceability and investment security – for future generations.

The safest investment

Timeless and future-oriented

Realism. During implementation. Without relinquishing comfort. Without compromising on design. Here ABB create supports with solutions for reducing the use of energy. Thus, protecting finances and the environment.



The affordable plan

Excellent architecture needs two plans. Aside from the construction plan there is a realistic budget plan. With ABB create this also remains within the reasonable. On the one hand, the costs of acquisition in regard to saving potentials for the running operation remain within the parameters. On the other hand, the high quality of the products ensure long-term use. Both result in a worthwhile investment. This is because it is oriented towards the durability of the architecture.

With ABB create you not only remain within the budget but also create long-term value.



The safe decision

For modern building control the choice of the right concept is essential. With ABB create both technology and design remain ready for the future. This is because the system has been designed for sustainability. Long-term use and expandability guarantee modularity as well as products with internationally and nationally accepted standards. Thus, for example, ABB i-bus® KNX remains ready for the coming innovations.



Busch-priOn® 3gang combination,
stainless steel

Award-winning design. Awarded the Red Dot, Best of the Best, Focus Open as well as the Design Plus award of Light+Building.

Living Space® Solutions

Efficiency and economics



Improving the world pays off

Economy and ecology become allies. Thanks to the modern technology with Living Space® Solutionsthe efficient usage of energy can be controlled. On the one hand, costs are reduced and the economically wise operation of a building is optimized. On the other hand, valuable resources and the environment are preserved.



Busch-ComfortTouch® 12.1, glass black

The intelligent switching centre with intuitive operability. This enables lights, blinds, air conditioning, energy efficiency, door communication and multimedia functions to be easily and clearly controlled.

Reduced energy consumption

Due to intelligent building automation the potential for saving energy is optimally used especially in energy efficient buildings.

Potential savings due to:

50%

Single room control

40%

Heating automation

45%

Sun protection automation

80%

Lighting automation

Source: ZVEI e.V.



Forever and a day

Living Space® Solutions has been developed for a long life span. Maximum sustainability is given thanks to solid workmanship and materials that withstand the load of day-to-day usage. But also the timeless design fulfills its purpose very efficiently. It retains its modern look because it is not stylish. Thus, it outlasts every short-term trend.

Perfection. It is used to build great architecture. It is experienced in every dimension. Particularly in its detail. Because the feeling for space is not created only by its boundaries. Living space becomes possible only in combination with light and temperature.





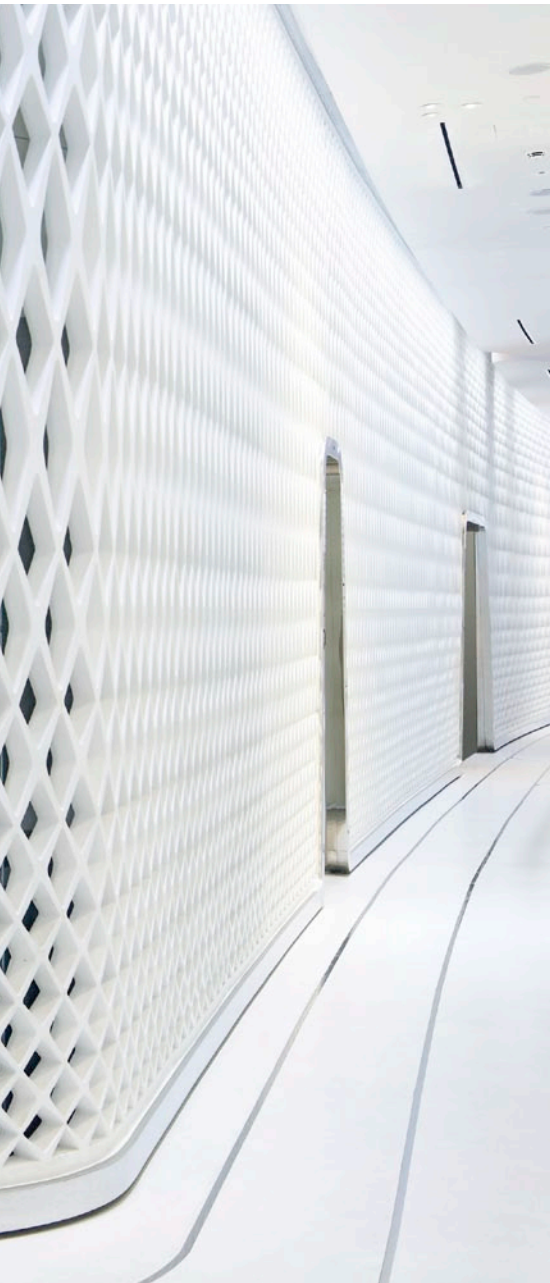
Convincing through reality

Excellent references



Busch-Watchdog 180 FM, Busch-priOn® switch range

Comfort through reaction. Controls optionally at movement or via different automatic modes of additional KNX devices. For example, lighting, heating, air conditioning and blinds.



The Yas Viceroy Hotel, Abu Dhabi

Already the location of this ambitious project of Asymptote Architecture can be described as spectacular. The Yas Viceroy Hotel is located directly between the Persian Gulf and the Formula 1 racetrack. The two towers of the 5-star hotel with the 5,000 LED panels on the facade are a widely shining example of the perfect interaction between representative architecture and state-of-the-art technology developed by ABB.



01



02



03

01 Toggle switch, 1gang, Millenium switch range, brushed stainless steel

02 **Busch-Radio iNet**, carat® switch range, black matt/stainless steel

03 SCHUKO® USB socket outlet, carat® switch range, black matt/stainless steel

Harmony in shape and function

Modern design and up-to-date comforts are conveniences hotel operators and their guests have become accustomed to. With the Millenium or carat® switch range the architect is able to meet these high standards. He is able to plan with innovative solutions – such as the iNet radio or the socket outlet with integrated USB connection for charging.

The Yas Viceroy Hotel, Abu Dhabi

The 85,000 square metres interior of the hotel complex were networked with ABB i-bus® KNX. The integrated guest room management system can be controlled centrally or individually. This provides guests in the 499 rooms and 73 suits with individual comfort at a modern high-class level. And intelligent building control of ABB create enables the operators to manage the hotel with economic efficiency.



01 Busch-ComfortTouch® 12.1, white glass

Everything at a glance. Made possible with the clear and convenient control of building technology, entertainment and communication.

02 Busch-iceLight®-Orientation, future® linear switch range, studio white



01



Clarity and harmony

Whether for designing, illumination, providing orientation or information – the Busch-iceLight® supports the interaction of light, architecture and function. This LED lamp for the flush-mounted box can be harmoniously combined with the ABB switch ranges.

02

Added value. This means more than just technology. More than just design. It means maximum safety while working together. With one of the worldwide leading companies for intelligent building systems technology and energy efficiency.







The advantages of a global player

A whole universe of solutions

Presence. ABB is on hand in more than 100 countries. Thus, it understands regional as well as global architectural concepts. Also the understanding of unique cultural aspects and local specifications is guaranteed. The results are well-thought-out holistic solutions – from the infrastructure in buildings up to the emotional experiences gained in modern living space.

On the whole

As one of the worldwide leading companies in the field of building systems technology sector, ABB is able to offer a comprehensive and unique range of products and holistic solutions. This includes light switches and system technology, building automation as well as technology involving energy efficiency – modular, flexible and with an assured future. Yet, this is merely a small selection of what the company has on offer. After all, ABB products and solutions benefit people in almost all walk of lifes. They circle around the globe and cross oceans on the seabed. They are found in households, offices and factories. In agriculture and in food packaging as well as in trains. Always with the motto

of the enterprise: Power and productivity for a better world.

One supplier with all the options

With Living Space® Solutions ABB create offers everything from one single hand. The advantages are the minimal effort required for planning and procuring, fast installation as well as simple commissioning. This speeds up processes and projects run smoothly during all phases for all partners involved. Of course, products conform to all important national and international standards and norms. This also prevents possible problems during the security-related acceptance of buildings by the authorities or consultants.



Expertise and experience

Unique due to 145,000 thinkers

The knowledge of ABBs' employees is virtually infinite. This is also provided by the 6,000 researchers and developers. This gigantic expertise is supplemented by the worldwide leading companies in building systems technology that are connected within the group – which includes, among others, Busch-Jaeger, Striebel & John and ABB Stotz-Kontakt.



Heads who think global

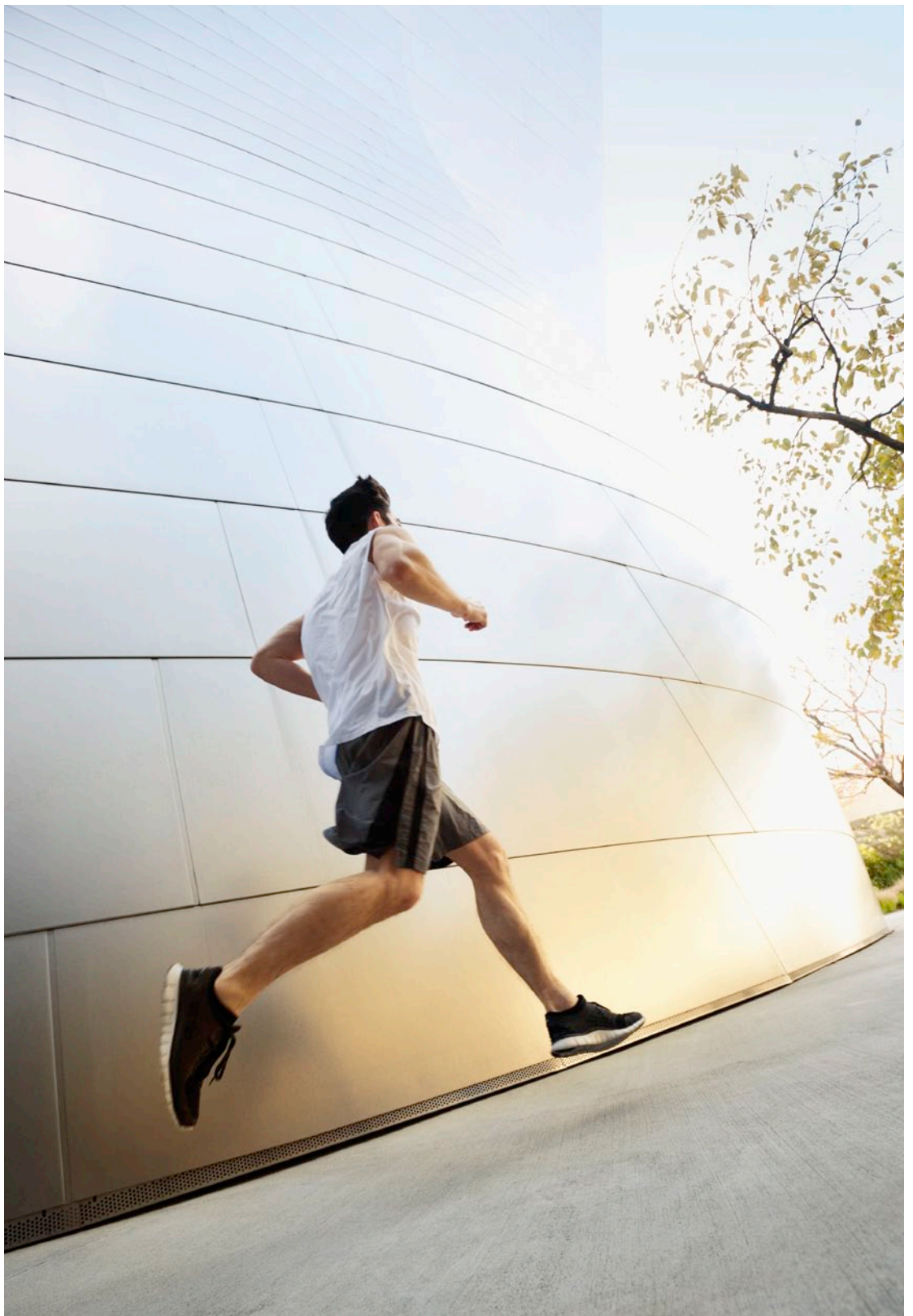
The 145,000 employees of ABB are one dynamic and multi-cultural team. They work all around the globe in the fascinating world of state-of-the-art technology. Particularly scientists and engineers provide new ideas and ideas with long lasting effect.

Networking with the world of knowledge

Through its own research centres all around the world ABB maintains close contact with its customers and partners regarding technology. Great importance is placed on the co-operation with more than 70 leading universities and research institutes. This, for example, includes the Massachusetts Institute of Technology (MIT), the ETH Zurich, the Indian Institute of Science in Bangalore, the KTH Royal Institute of Technology in Sweden and the Tsinghua University in Peking.

Specialists as partners

The comprehensive expertise in building systems technology on the part of ABB is even further enhanced by the companies connected to the group, such as Busch-Jaeger, Striebel & John or ABB Stotz-Kontakt. The exchange of the accumulated experiences allows unrivalled solutions for every customer.



Pioneering spirit with a wealth of experience

New discoveries. So customers receive more output – at the same time minimizing costs. These are the strategic aims of ABB in the development of innovative technologies. This benefits all the customers of the company while maintaining the lead against the international competition.

Information. Connecting modern architecture with intelligent building automation. To reach the optimum possible today. In this challenge ABB create assists architects and engineers. To make their daily tasks easier.



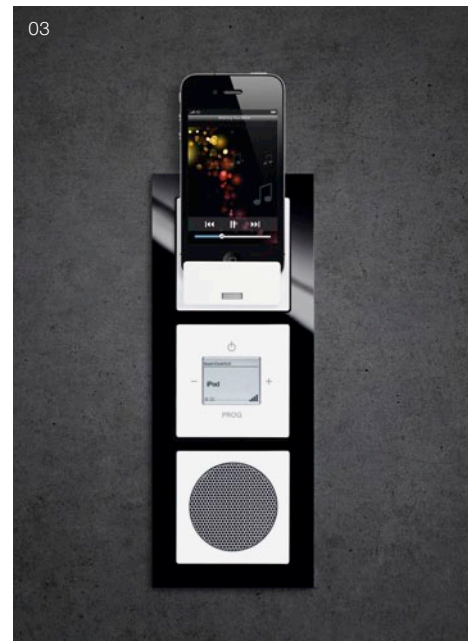
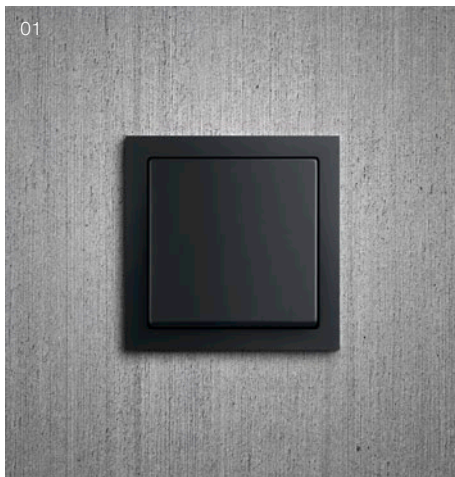
Products

Millions of options and more

Total variety. For every use. For every situation. For every requirement. Since the assortment of ABB follows a holistic approach. This is why it can be used modular and flexible in the most diverse projects.

Design

Function attains additional fascination by design. Light switches are an expression of personal style just like the architecture itself. With the switch ranges from ABB and a great number of components aesthetic requirements of all kinds can be turned into reality.



01 Switch range future® linear, matt black

02 **Busch-iceLight**® – wall module ambience, switch range future® linear, aluminium silver

03 3gang combination with **Busch-iDock**, **Busch-Radio iNet** and loudspeaker, switch range **Busch-axcent**®, studio white/black

Comfort

The uncomplicated controls the comfortable. The comfortable controls the useful. This is how intelligent technology from ABB transforms the room into a living space with pleasant ambience. The integration of entertainment and information in connection with the smartphone, computer or tablet, for example, is made possible with Busch-AudioWorld®.



Safety

The house protects people. ABB technology protects the house. Against unwelcome visitors or elemental incidences. It sensitively keeps watching day and night. Inside and outdoors. With the door communication ABB-Welcome®, the Busch-Watchdog movement detectors or the water protected surface-mounted ocean® product range. Safety with ABB products creates a feeling of reassurance.



04 **Busch-Welcome®** outdoor video station, 3gang, stainless steel

05 **Busch-Watchdog** 220 MasterLINE, white

06 **Busch-ComfortTouch®** 12.1, white glass

07 **Busch-Dimmer®** LED-Dimmer, carat® switch range, studio white/black

Efficiency

Less is more. Today this formula applies especially to energy and efficiency. If as much as possible is to be achieved with as little expenditure as possible - with ABB technology unnecessary consumption can be avoided. For example, with energy-saving LED technology or devices linked via ABB i-bus® KNX. This drastically reduces costs. And it provides lasting protection for the environment.

References from around the world

A selection

Renowned architectural offices on all continents have for many years trusted the solutions for building control from ABB. Because they can fully rely worldwide on the excellent design and innovative technology as well as first-class service from a single source. Especially in complex and international projects the advantages can be perceived already during the planning process. This is also evident in the Hyatt Capital Gate in Abu Dhabi. This hotel tower with the world's strongest tilt has become a discussion topic worldwide.

The British architectural office Robert Matthew Johnson Marshall attained 18 degrees at a height of 160 metres. The network of 38 storeys with 970 components was implemented with ABB i-bus® KNX. Decisive here was the short integration period as well as the future expandability. But also criteria such as great reliability and efficient operation spoke for the solution of ABB.



08 Hyatt Capital Gate, Abu Dhabi, VAE

09 Music Hall, Helsinki, Finland

10 Skalski Offices, Cracow, Poland

11 Hotel Kempinski, Geneva, Switzerland



12 International Airport, Peking, China

13 CK06, Paris, France

14 Burj Khalifa, Dubai, VAE

15 The Rondo, Graz, Austria

Contact

A company
of the ABB Group

Busch-Jaeger Elektro GmbH
PO Box
58505 Lüdenscheid

Freisenbergstraße 2
58513 Lüdenscheid

www.BUSCH-JAEGER.com
info.bje@de.abb.com

Central sales service:

Tel. 02351 956-1600
Fax 02351 956-1700