Expertise at every level

Cutting-edge solutions for a connected world
We are driven by a quest to provide groundbreaking solutions for a densely built-up and developing world.

At Basler & Hofmann, our multidisciplinary teams work together to find new answers to complex questions, such as this Basler & Hofmann office building. It is fully self-sufficient in terms of producing the energy required for heating and cooling. Internally, the building complies with the highest environmental standards.
We create spaces for living

We live in a densely built-up world – a world which is constantly changing. The important issues of tomorrow will be determined by how we deal with space and natural resources today. Construction, mobility, energy, safety and the environment – Basler & Hofmann works for its clients in all these areas. We offer consultancy, planning and engineering services.

Shaping the future

Nothing is as constant as change itself: towns and cities are forever evolving. Sprawling industrial areas are being transformed into new spaces for living, working and recreation. Urban areas are growing. People are becoming more mobile: how can infrastructure be further developed to meet these new requirements? Both natural and man-made environments are becoming more and more closely intertwined. How can natural habitats be protected? And how can society protect itself from natural hazards? Our natural resources are becoming scarcer. How can we preserve them for future generations? These are the major challenges that Basler & Hofmann is working to resolve.

Consultancy – planning – engineering

Everything in our modern world is interconnected. As a company offering services in engineering, planning and consultancy, we provide our clients with solutions that are tailor-made for the complex world in which we live. For us, consultancy means understanding, interpreting and formulating the needs of society at large. Planning is the integration of the most varied of requirements and future developments. And engineering means designing efficient and sustainable solutions. As an independent, family-owned company, we have always remained true to these three areas of activity. Our solution-orientated approach enables us to make a significant contribution to technical, environmental and social development. We create spaces for living.
Basler & Hofmann provides a bespoke technical team for each project. This team consists of people with the complete range of expertise and skills required to provide the best possible service.
**Holistic solutions**

In today’s complex world, few engineering challenges can be handled by a single expert. Basler & Hofmann employs specialists from more than 30 disciplines. Our objective are holistic and resilient solutions. We embrace new requirements placed on our work at an early stage and continually develop our services.

**Our solutions are resilient**

A client’s project and requirements are the focus of our business. We provide tailored teams to deliver the right expertise for each individual project. Responsible for budget, quality and deadlines, the project manager is the main contact person and works behind the scenes to coordinate the work of our qualified experts. This offers our clients a number of benefits: It gives them the security of knowing that synergies and conflicts can be detected at an early stage and that all aspects of the project are well coordinated. Should new requirements in the project arise, the necessary expertise is always available nearby. This means that our clients get quick answers to any questions, and that their project is supported by a firm foundation.

**Innovation is in our DNA**

The names of our founders are synonymous with innovation and connected thinking. We have always been quick to embrace the requirements of a constantly changing world – whether they are technical, environmental or social in nature. Our company development is characterised by the ongoing expansion of our skills: We share expertise, broaden our knowledge and test new methods and techniques in innovation projects, research projects and collaborative projects with universities. We are actively involved in professional bodies including the standards committee of the Swiss Society of Engineers and Architects (SIA) and the Swiss Association of Consulting Engineers (USIC). Abroad, we are associated with leading engineering companies in the Europengineers network and other specialist organisations. Our clients can be confident that the solutions we offer incorporate the very latest thinking.
The projects we carry out for our clients provide the best proof of our expertise and efficiency. Our work covers a broad range of projects: they include major infrastructure projects which are unique in terms of their size and complexity, pioneering projects where interdisciplinary teams work together to develop new solutions and small niche projects which involve the work of only a few specialists. The project work entrusted to us speaks for itself.
Large-scale project in the Alps
The Andermatt tourist resort
An outstanding project: this large-scale project involves the construction of a luxury resort in the Urserental, comprising 5 hotels, 30 villas and extensive leisure facilities. Basler & Hofmann was responsible for spatial planning including 6 special land use plans and for the environmental impact report, as well as environmental construction support.
Client: Andermatt Swiss Alps Ltd.

Cross-border flood protection
Large project on the Alpine Rhine
For a section of around 26 km, the Rhine forms the border between Austria and Switzerland. Thanks to a large bilateral project, the flood protection of neighbouring communities should be improved and the river upgraded environmentally. Basler & Hofmann is heading up the international planning team.
Client: Internationale Rheinregulierung IRR

Full speed ahead to the Gotthard
Approach line to the Gotthard Base Tunnel
Basler & Hofmann designed the approach line to the world’s longest railway tunnel. In addition to being technically very challenging, the project also had to comply with stringent standards relating to environmental compensation measures, architectural design and flood protection.
Client: AlpTransit Gotthard Ltd

Renovation of a mountain motorway
Murg–Walenstadt motorway section
The A3 motorway runs through country next to Lake Walen that is topographically challenging. On a section of 11 km, there are 5 tunnels, 4 bridges and over 20 retaining walls. Basler & Hofmann drew up the global maintenance plan for the repair work and took responsibility for overall project management.
Client: Federal roads office (FEDRO)

Bridge refurbishment work on Lake Geneva
Securing the foundations and rock anchors
On the A9 motorway alongside Lake Geneva, there is a row of impressive bridge structures. These structures, which are around 30 years old, were showing signs of damage and some were proving to be too narrow for current demands. The rock anchors had to be replaced in the case of 3 bridges. Basler & Hofmann was in charge of the intervention project.
Client: Federal roads office (FEDRO)

Chemical risks at a glance
Risk register for cantons
Chemical plants and the transportation of hazardous goods pose risks for both people and the environment. Basler & Hofmann’s geographic information system (GIS) assesses these risks and provides a clear analysis of the threat. This is an important decision-making tool.
Client: nine Swiss cantons
Solar heat from the earth

The first office building with underground energy storage

Basler & Hofmann prepared the energy concept for an office building near Zurich that is virtually self-sufficient: this new commercial building “harvests” solar energy using solar collectors and stores it in the ground. Water is used for cooling. A photovoltaic system covers the majority of the power requirements of this “Minergie-P-Eco” building.

Client: Rehalp-Verwaltungs AG
The Zurich Cross-City Rail Link
Weinberg Tunnel and low-level station in Zurich
Rail traffic is on the increase: therefore in Zurich a new transit station has been built under the main railway station as well as a rail tunnel that is about 5 km in length under the city centre. Basler & Hofmann handled the general management of both projects and provided expert opinions on numerous special questions.
Client: SBB

Flying high in Zurich-West
High-rise residential and office buildings
Mobimo Tower, Fifty One, Maaghof and “Am Pfingstweidpark” – striking new residential and commercial properties are now appearing in the former industrial area of Zurich West. Basler & Hofmann was responsible for the excavations and supporting structures of these high-rise buildings and acted as consulting experts, for example for the contaminated sites.
Client: Losinger Marazzi AG

Runway refurbishment during operations
Main landing runway at Zurich Airport
The main landing runway of Zurich Airport had to be refurbished without interrupting any flights. This planning and logistical masterpiece was brought to fruition during around 100 breaks in air traffic at night. Basler & Hofmann was responsible for the engineering and overall coordination.
Client: Flughafen Zürich AG

A new urban railway: the Glattalbahn
From track system to transfer platform
A new 13-km-long urban railway now connects the Glattal to Zurich. Basler & Hofmann held responsibility for several contracts. The team engineered the track, making sure it blended in with the environment perfectly. This included the engineering and site management of the Stettbach transfer platform as well as offering expert advice on contaminated sites.
Client: VBG Verkehrsbetriebe Glattal AG

New paths in fire prevention
Izar real fire test system
Effective proof of safety is becoming more and more important in fire prevention. With its Izar real fire test system, Basler & Hofmann has developed a worldwide unique appliance, with which tests with smoke and real fires in the megawatt range can be carried out, even in buildings that are still in operation.
Client: SBB

Extension of Lausanne railway station
Optimisation of passenger flow and engineering
By 2025, the number of passengers using Lausanne station will double. How can the station be extended and simultaneously more room for commercial facilities created when space is at a premium? Basler & Hofmann analysed future passenger flow figures and was responsible for both the preliminary project and planning application.
Client: SBB

Izar real fire test system
Having the right know-how: complex projects need teams that are equipped with a depth of experience and variety of skills, as well as people who can lead and inspire collaboration.

We expect our project managers to be committed to the project as well as to the people involved.
Inclusive leadership

In our projects, we work with clients, partners and other stakeholders – often very closely and for long periods. Our experience shows that we achieve the best results when the actual process of collaboration is considered as important as the goal itself and when teamwork is governed by fairness and respect. That is the job of our project managers.

Leading through collaboration
Large numbers of organisations and individuals are often involved in our projects. The people skills of our project managers are therefore just as important as their technical capabilities. You have to be a good listener if you want to manage a project well. Only by listening can you take into account the needs and requirements of all parties so that all stakeholders are on board. This often requires a good measure of persistence. We expect our project managers to be committed to the project as well as to the people involved.

Strength in teamwork
No single person can do everything. Complex projects can only be managed successfully using teams equipped with a diverse range of skills and abilities. Even engineers with decades of experience can benefit from their younger colleagues who are open-minded and have an unquenchable thirst for knowledge. The provision of inspirational consultancy relies on an efficient administration to support it. A whole variety of people contribute to the work that goes into our solutions and all our people are very dedicated and highly motivated when carrying out their work and taking on responsibility.
Can you describe a company with figures? As engineers, numbers are part and parcel of our work. Yet when using numbers alone to describe our company they are meaningless, unless explained and given context.
Basler & Hofmann has subsidiary companies in Switzerland, Germany, Slovakia and Singapore. Our core business is in Switzerland. We have offices in Zurich, the Berne area, central Switzerland and Basel. It is important that our offices are located close to our clients. We also prefer our staff to be able to work out of only a few sites. This means they are able to collaborate quickly, face to face across the various departments.

You can only be one of the best if you learn from the best. It is important for us to share experience with other experts. We are involved in committees and governing bodies of the Swiss engineering associations SIA and usic. Our international contacts are just as important to us. We are a member of the Europengineers network with seven leading European engineering companies and work hard at nurturing this network. We are also a member of 26 other specialist organisations including the Swiss Energy Forum and the Earthquake Engineering Research Institute (EERI).

The Basler & Hofmann Group employs more than 600 people. More important is the breadth of services we offer: our people are skilled in over 30 different disciplines and about 60 per cent are university graduates. Each of our staff members has an average of 14 years’ professional experience. Some enjoy their work so much that they stay on with us even after they retire: 25 per cent continue working for us as consultants.

We are investing in the future. Every year, we complete a large number of innovation projects, which enable us to develop new approaches and improve the services we offer. They range from new construction and measuring techniques to new insights in the area of classroom design. Many departments which are now well established have evolved from one of our innovation projects.