



**Building technology and
facility management**
We understand buildings



BOUYGUES
ENERGIES & SERVICES

Shared **innovation**

Bouygues Energies & Services is Switzerland's number one in the areas of building technology and facility management. As the market leader, we provide integrated, flexible and intelligent solutions throughout the entire life cycle of buildings, districts and infrastructures – all the way from planning to maintenance. With our unique multitec service, we also offer centralised cross-trade collaboration for clients with complex projects. With around 100 locations across Switzerland, Bouygues Energies & Services is both locally anchored and nationally connected at once. We are familiar with regional needs and we are always where our clients need us. Furthermore, as a subsidiary of the family company Bouygues Construction, we benefit from global expertise and more opportunities for innovation and development.

We have comprehensive expertise in all building-technology disciplines.



Electrical engineering



Heat engineering



Ventilation and air conditioning



Refrigeration systems



Sanitation systems



ICT Services



Security



Automation



Photovoltaics



Technical Services



Facility & Property Management



Multitec and National Projects Service Center



Electrical engineering

From office lighting to large-scale installations

Every electrical installation, large or small, must be energy efficient, constantly available and safe. Our comprehensive solutions and services include everything from planning, commissioning and installation to maintenance and repairs.

All of our solutions are tailored to our clients' needs. They take account of a building's size, use, operation times, comfort requirements, climate specifications and physical specifications, etc. You can count on our skills and our professional support every step of the way. After all, power is what we do.

We meet your needs with

- comprehensive consulting
- professional system integration
- skilled, cooperative site management
- economical, technically advanced installations
- service contracts and annual contracts for the maintenance of your electrical installations (outsourcing)
- commissioning
- training of your staff and handover of your systems

WE FORGE LASTING RELATIONSHIPS WITH OUR CLIENTS THROUGH RELIABILITY, ADHERENCE TO SCHEDULES AND BUDGETS, HIGH QUALITY STANDARDS AND COMPREHENSIVE SERVICES.

Our services at a glance

- Consulting and project management
- High- and low-voltage systems
- Lighting technology
- Universal communication wiring
- Measurement services and vulnerability identification
- VDE 702/703 small appliance testing
- Periodical checks and risk analyses
- Safety checks and certifications (Low-Voltage Installations Ordinance - LVIO)
- Test circuits
- Energy optimisation
- Switchgear and control systems
- Call-out service available around the clock

Heat engineering

From heat pumps to district heating

“Renewable energy” is the buzzword of our time – a time of scarce resources, fluctuating raw material prices and an uncertain world. What will be available to us tomorrow? Is heating with oil or gas still viable today? Are alternatives such as wood pellet boilers or heat pumps worthwhile investments? When is it worth installing a photovoltaic system or wood-fired furnace?

We have the knowledge you need. Our experts will provide the answers to all your questions, for buildings of all sizes and all relevant energy suppliers. Plus we not only offer advice – we also carry out all installation work.

TRUST IN OUR EXPERIENCE - IN TECHNICAL AND COMMERCIAL CONSULTING, IN NEW CONSTRUCTION, CONVERSION AND REFURBISHMENT PROJECTS, IN EFFICIENT IMPLEMENTATION, AND IN MAINTENANCE AND SERVICE.

In addition, we also possess the necessary expertise when it comes to mechanical infrastructures for industrial projects. Industrial plant construction, district heating, unit heating power stations for new developments and renovation, repair and maintenance solutions for all types of heating systems are all areas in which we provide competent consultancy and installation services.

Our services at a glance

- Consulting, planning, implementation, servicing, 24/7 troubleshooting service
- Heat generation: oil, gas, geothermal heat pumps, air and water heat pumps and wood-fired furnaces
- Heat distribution: water and air pipe systems
- Heat release: underfloor heating, individually customised radiators and radiant heaters
- Heat-recovery systems
- Photovoltaics & Solar Thermal
- Renovation and optimisation of heat-generation systems



Ventilation and air conditioning

From living spaces to clean room technology

We plan, design and implement practical air-conditioning systems for the well-being of people and the good of the environment. Our industry-specific expertise and experience range from the installation of simple air conditioners for ambient comfort to clean-room technology projects in industry and research. As such, we meet the most exacting requirements for complex building installations and sterile operating theatres in hospitals.

Our customers and partners include general contractors, industrial and service companies, real estate companies and agencies, and specialists such as planners, architects and engineers. We ensure optimum ambient conditions in administration buildings and institutions, airports, railway stations, hotels and shopping centres.

Clean-room technology

Within this delicate domain, we have extensive experience and have worked with various international companies in the following areas:

- pharmaceutical industry
- biotech industry
- electronics industry
- healthcare and medtech industries
- laboratories
- food industry

OPTIMAL INDOOR CLIMATIC CONDITIONS ARE ESSENTIAL FOR PEOPLE'S WELL-BEING. IN WORK PROCESSES, THE RIGHT CLIMATE IS A DECISIVE FACTOR IN TERMS OF QUALITY, PRODUCTIVITY AND SAFETY.

Our services at a glance

- Individual consulting, from single-family homes to complex commercial buildings
- Planning of conversions and renovations, planning and installation of new systems
- Measurement services, status analyses, ventilation checks and optimisations
- Turnkey clean rooms, qualification and requalification
- CRIC - in-house Clean Room Information Center
- Hospital building technology
- Sterile operating theatres
- Measurements in accordance with national and international guidelines and standards
- Qualified service technicians





Refrigeration systems

From standard appliances to industrial refrigeration systems

We build refrigeration systems for the retail sector, the hotel and restaurant industry, the food industry and the research sector. We supply standard systems or implement special, tailor-made systems for industrial production processes and wholesalers. In the food industry, our solutions ensure a seamless cold chain - all the way from the producer to the consumer.

Our refrigeration specialists have comprehensive expertise and they design tailor-made systems that function in an environmentally-friendly, cost-efficient way. The decisive factors for an optimal solution are:

- low energy consumption
- minimal coolant quantities
- high operational safety and availability
- low susceptibility to malfunctions
- long life span

We support you in licensing procedures and safety concepts to ensure that your solution meets legal requirements.

**WE OFFER TECHNOLOGY,
COST-EFFECTIVENESS
AND ENVIRONMENTAL
CREDENTIALS FROM A
SINGLE SOURCE.**

Our services at a glance

- Planning, installation, commissioning, inspection, servicing and training
- Commercial refrigeration systems
- Industrial refrigeration systems
- Air-conditioning systems
- Refrigeration and freezing equipment
- Central and self-cooling refrigeration appliances
- Ice machines
- Refrigeration and freezing rooms/cells
- Heat recovery and heat pump systems

Sanitation systems

From individual fittings to public infrastructure

Visible elegance - invisible supply and disposal. Our sanitation specialists and piping installers plan and install simple sanitation fittings and systems with the same care and professionalism as they do when working on the public infrastructures entrusted to them. We can plan in the conventional manner or in accordance with the latest BIM/VDC methods.

We have comprehensive experience in water purification and in the supply and disposal of water, wastewater, gases and more.

Committed employees, high quality-consciousness and environmental awareness, as well as the application of new techniques and findings, enable us to implement optimum solutions in every respect.

WE CONSTRUCT INDUSTRIAL PIPES AND SANITARY FACILITIES FROM SMALL TO LARGE, PLUS WE GUARANTEE SAFE AND EFFICIENT OPERATING PROCESSES.

We install equipment and infrastructure in

- residential buildings
- commercial and industrial buildings
- administration buildings
- hospitals, clinics and rehabilitation centres
- retirement and nursing homes
- hotels and restaurants
- fitness centres and swimming pools

Our services at a glance

- Consulting, planning and analyses
- Creation of bathing areas and spas
- Water treatment systems
- Installation of industrial pipes, fittings and pumps for water supply
- Supply and disposal pipes for all types of buildings
- Industrial plants and distribution systems for gas, compressed air and liquid transport
- Underground pipelines and wastewater pumping stations
- Transport lines in the food and chemical industries
- Service and maintenance



ICT Services

From classic ICT infrastructure to fully integrated ICT landscape

Information and communication technology (ICT) is a field that changes as constantly and quickly as hardly any other. This rapid development necessitates forward-looking concepts and integrated solutions. Today's cutting-edge developments are tomorrow's outdated technology. Converged technology resources are therefore vital for every company and have a direct effect on costs.

We are one of the leading Swiss providers in the field of ICT services. We ensure substantial added value for our customers by providing state-of-the-art technologies and expert services from a single source.

Our experts

- advise and support you at every step; from the concept and system evaluation to commissioning, training and maintenance
- provide all services as project-specific services and invoice based on cost, or as a comprehensive managed service
- take on project management responsibilities or a full-service mandate upon request
- use the expertise and products of leading manufacturers to provide integrated solutions
- ensure the best-possible performance levels, security and availability of your systems
- intelligently and economically integrate the latest ICT products

TAKE ADVANTAGE OF OUR DIGITAL SUCCESS FACTORS. OUR STRENGTH LIES IN OUR TAILOR-MADE MODULAR SOLUTIONS.

Our services at a glance

- Consulting, evaluation, concepts
- Full-service mandates, project management
- Cloud services
- Managed services
- Telephony, UCC and video solutions
- Networks, Wi-Fi and security
- Client and server, storage and backup
- Hospitality TV and infotainment
- Digital signage
- Roll-out and maintenance services across Switzerland
- Fibre-optic and low-voltage installations
- Help desk/call desk available 24/7

Security

From fire detectors to complex security systems

Security systems are a matter of trust. They protect people, animals and property and thus increase your quality of life. We are your competent partner in all matters related to security, and create electronic security systems for all sectors – from small properties to large and complex systems.

As renowned specialists, we have all the necessary certifications and authorisations to work in the security technology sector.

The knowledge and experience of our staff is the foundation of our success and our high level of acceptance on the market. Flexibility and customer focus are the hallmark of our collaboration with building owners, technical planners, electrical installers and general contractors. Our customers include industrial companies and service providers as well as hospitals, hotels, transport authorities, public bodies, businesses and private individuals.

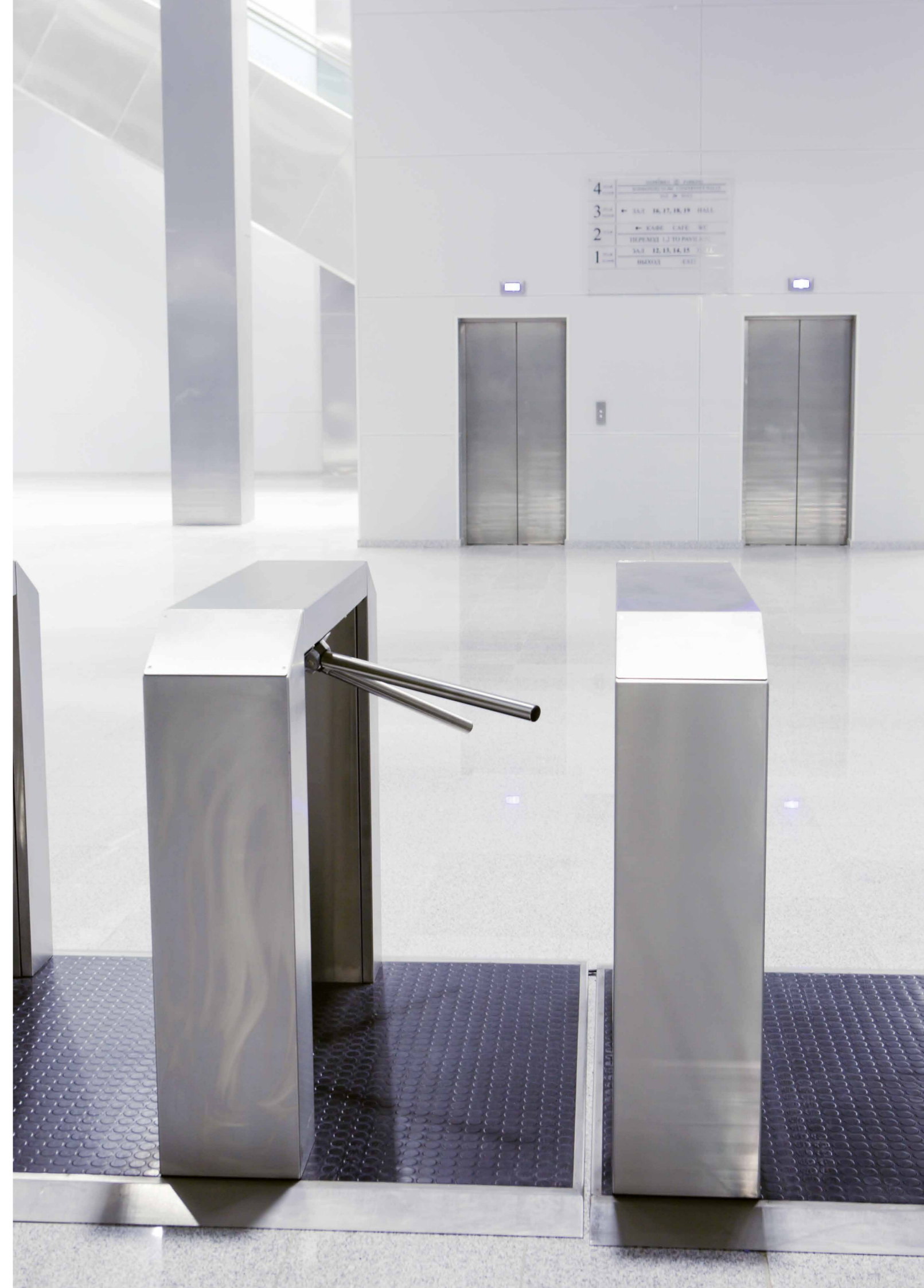
Our services at a glance

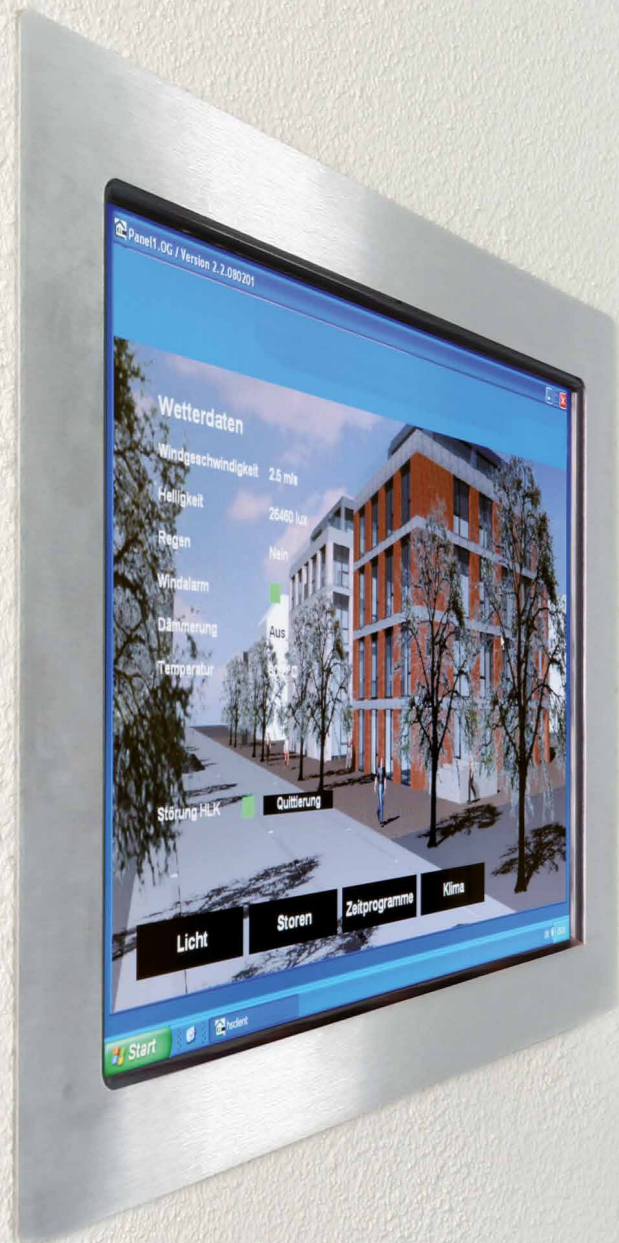
- Fire alarm systems
- Burglar alarm systems
- Video surveillance systems
- Access control systems
- Voice alarm systems (EVAK)
- Intercom systems
- Safety way guidance systems
- Security consulting

BETTER SECURITY, BETTER QUALITY OF LIFE. OUR CLIENTS HAVE BEEN PUTTING THEIR TRUST IN OUR HIGH QUALITY STANDARDS FOR OVER 30 YEARS.

Thanks to this wide variety of sectors, our technical expertise built on years of experience and numerous branches throughout Switzerland, we are able to offer integrated, customer-focused solutions.

We provide you with comprehensive services, from consulting, planning, implementation and maintenance to the modernisation of existing systems.





Automation

From constant light regulation to complex building management systems

Increased comfort, higher productivity and better quality of life: building automation connects businesses and enables buildings to operate securely and economically. Thanks to building automation, it is easy to adapt to changing needs and uses.

We are exclusively a service provider, meaning we are product-independent and can therefore take a solution-oriented approach which focuses on your needs. Our competent, neutral and meticulous product-selection process guarantees you a high level of protection for your investment.

CLIENT SATISFACTION IS OUR CREDO - THE CORNERSTONE OF OUR SUCCESS. WE TAKE RESPONSIBILITY AND PROVIDE PERSONAL SERVICE TO OUR CLIENTS.

The cross-sector expertise and experience of our employees are the decisive factors in our successful solutions. We combine the latest findings and state-of-the-art technologies with both new and tried-and-tested concepts. Furthermore, our apprenticeships and continuous further training programmes mean our teams always possess cutting-edge expertise in every area.

Our 24/7 call-out service provides support throughout the operational phase of your company's infrastructure. Maintenance work tailored to your requirements protects your investment and reduces life-cycle costs. This allows us to automatically keep your processes running at all times.

Our services at a glance

- Integrated bus solutions with KNX (EIB) for HVAC, lighting, blinds and audio/video connections
- Control and regulation of heating, ventilation, air-conditioning and refrigeration systems
- Building automation systems and regulation for single rooms based on DDC or SPS
- Cross-trade integrated facility management and security control systems
- Service and maintenance seven days a week, around the clock
- Comprehensive solutions from a single source for the modernisation and regulation of control systems

Photovoltaics

We can help with everything from solar systems to battery storage

The future lies in renewable energy. Photovoltaic technology, as an innovative and CO₂-neutral means of energy generation, plays an important role. We plan, design and implement turnkey photovoltaic systems and energy storage systems – all from a single source.

With a solar power system, you have your own small-scale power plant, allowing you to become your own power producer. We can provide an energy storage unit to store the excess energy produced during the day – an ideal addition to the solar system. This means that your solar power will be available morning, evening and night.

Thanks to our many years of experience, we can offer you professional services in photovoltaics, solar thermal and energy storage. With us, you have a single point of contact for all your concerns:

- We will inform you about possible ways to gain economic and environmental advantages and about subsidies for which you may be eligible.
- We will draw up a personalised offer for a system that is both economical and environmentally friendly.
- The project plan will be created and scheduled together with you.
- In just a few working days, our experienced assembly team will install your photovoltaic system, heat pump or energy storage system.
- The planning application, the application to connect to the power grid and the application to the funding programme will be managed by us.
- Our modular maintenance service keeps your systems in order and prolongs their life span.

THANKS TO OUR WELL-ROUNDED EXPERTISE AND OUR NETWORK OF LOCATIONS THROUGHOUT THE COUNTRY, WE CAN FULFIL ALL YOUR PHOTOVOLTAIC NEEDS ANYWHERE IN SWITZERLAND WITH SKILL AND PROFESSIONALISM.

Our services at a glance

- Consulting, planning and installation
- Planning applications and applications to the funding programme
- Solar systems
- Heat pumps
- Energy storage devices
- E-mobility, charging stations
- Service and maintenance



Technical Services

From individual services to complete solutions

With our many years of experience in building technology, a high proportion of services covered in-house and our well-established local presence, we can offer you complete solutions for all your technical services needs.

We concentrate on ensuring that your systems are long-lasting, safe, energy efficient and retain their value, with a high level of availability. We offer a full range of services and solutions to support your core processes, protect you from nasty surprises and detect deviations at an early stage.

Thanks to their expertise and experience, our teams are always there for you with professionalism, reliability and efficiency in all areas of technical services.

Our network consisting of many locations throughout Switzerland ensures optimal accessibility and short response times. What's more, our knowledge and experience guarantee professional services with a high degree of transparency: services that are tailored to your needs, so that your systems remain at their best - efficient and ready to meet the future head-on.

WE HAVE THE SOLUTIONS FOR ALL MATTERS REGARDING TECHNICAL SYSTEMS IN PROPERTIES. WE HELP YOU STICK TO YOUR PROCESSES AND CREATE AN OPTIMAL, STABLE WORKING ENVIRONMENT FOR YOUR STAFF WITH TECHNICALLY SOUND WORKSTATIONS.

Our services at a glance

- Maintenance (inspection, upkeep, troubleshooting)
- 24/7 call-out service, 365 days a year
- Warranty management
- Facility management
- Innovative products for operational optimisation
- One partner (SPoC) for technical services throughout Switzerland
- Services from a single source for heating, ventilation, air-conditioning, sanitation and electrical systems, security and automation, and ICT
- Digital and automated service concepts
- Qualified, certified staff
- Tailored reporting



Facility & Property Management

From technical services to infrastructure services and property management

Happy tenants are good tenants – we help you keep them that way. Contribute to the long-term value conservation of your property with professional facility management. We have the experience and expertise to offer customised and economically optimal solutions – discreet, professional and tailored to your individual requirements as an owner and investor or a tenant. With our all-round service, we ensure smooth operation and optimal management of your property.

The core of our business is integrated facility and property management with a high proportion of services covered in-house. We expertly integrate various services: strategic property consulting and management as well as technical operation, maintenance and infrastructural services. During concept design and implementation, we pay special attention to what works in the long term.

Our priority is to identify solutions to the challenges you face with your property so that you can concentrate on your core business. For instance, we can take over all of the project management, from staff recruitment to reporting, controlling and KPI evaluation. We ensure the smooth running of day-to-day facility management business and take care of management. In addition, we develop strategies for operational and energy optimisation as well as security concepts that meet your specific requirements. In all that we do, we draw upon our specialist industry experience and on reliable partnerships with customers, employees and suppliers.

WE ARE SWITZERLAND'S LEADING PROVIDER OF SERVICES FOR COMPLEX COMMERCIAL PROPERTIES AND SITES. IN EVERY PHASE OF THE LIFE CYCLE.

Our services at a glance

- Property operations/building maintenance
- Contracts and commissions
- Property maintenance
- Relocation management
- Property management
- Working spaces: design and build solutions
- Energy management
- Construction projects
- Property trusts
- Cleaning
- Postal services
- Security
- Grounds maintenance
- Reception services
- Help desk and call-out service

We understand multitec

Cross-trade collaboration
from a single source

One unique client benefit in particular is our collaborative multitec approach. This entails the involvement of several trades or areas of Bouygues Energies & Services in one project with superordinate responsibility. This cross-trade collaboration is our unique strength and allows us to operate as a single-source supplier.

- Teams that combine their specialised expertise and contribute to projects in a coherent manner
- Responsibilities that are clearly defined
- Integrated, comprehensive system solutions
- National projects that are implemented to a consistently high standard



National Projects Service Center

Centralised building technology
services

As a building technology services provider, we coordinate client services at over 100 branches in Switzerland via a central coordination hub. This hub is our National Projects Service Center – the interface between our clients and the various service branch offices.

Many companies are looking for a building technology service provider for the whole of Switzerland for cost and efficiency reasons. Our National Projects Service Center coordinates your projects:

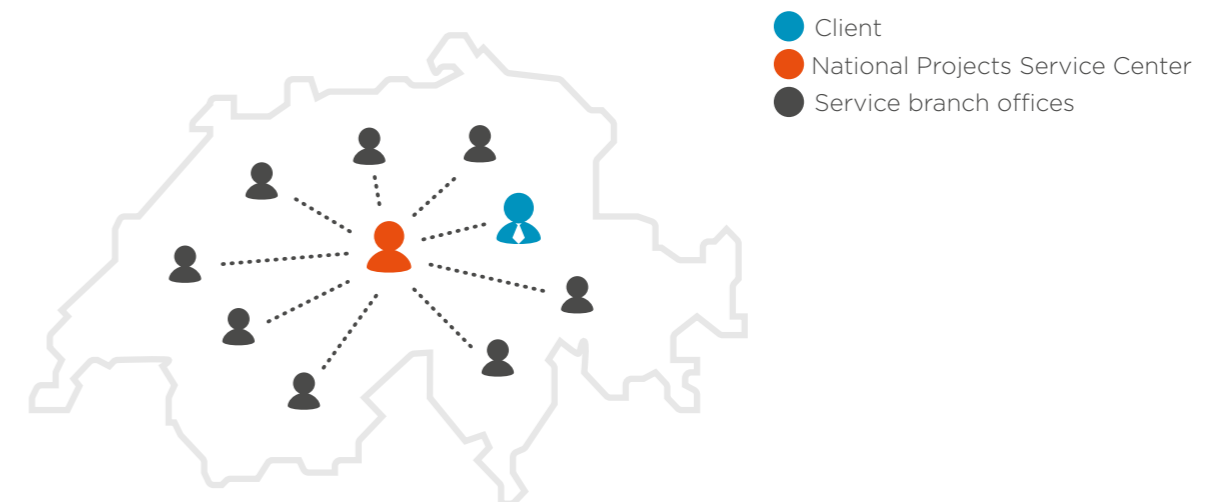
- across Switzerland;
- across trades;
- in three of Switzerland's official languages.

A framework service agreement for your branches throughout Switzerland can include the following services:

- Repairs – maintenance/inspection
- Faults
- 24/7 call-out service
- SPoC (Single Point of Contact)
- Reporting
- Facility management

The National Projects Service Center will oversee your project at every stage, from execution to final reporting and invoice control. Thanks to our many years of experience with national projects, we have been able to continuously improve the efficiency we provide to our clients by looking for synergies and ways to optimise processes.

With around 100 branches, we are able to combine central coordination with the accommodation of local needs and peculiarities. A reliable, expert partner for services throughout Switzerland.



bouygues-es.ch

