



**ISF**  
Ingenieurkonsulenten Schüffl+Forsthuber

# SERVICES

Our clients have a strong partner in us.  
We attend to their projects from the first idea on.

We support them in relevant investment decisions  
by checking feasibility and profitability.

We try to find the right experts for the individual special fields and  
provide the necessary permits.

As project manager we attend to purposive execution  
by keeping the time and cost frame.

Employer ↓

## ISF

### Studies

Project identification (project description, identification of demands and identification of problems) technological and economic feasibility studies

### Structural and economic consultancy

project organisation forms and financial models

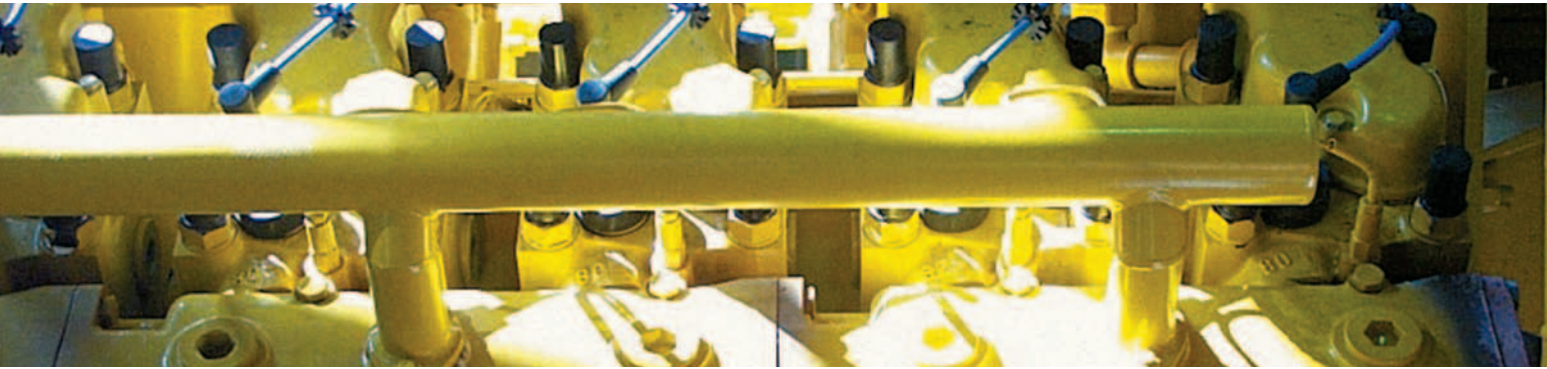
### General design

#### Design and local supervision of site    Project management    Assisting Control

conceptual design, pre-design  
permit design  
executional design  
financial design  
tender procedure documents  
contract conclusion  
project management  
supervision of site  
commissioning  
start-up and process optimization  
consultancy in warranty cases  
accounting

### Business administration consultancy

organisation forms  
management and staff organisation  
training  
operation and maintenance programs



In our striving for innovative solutions we always try to apply relevant findings of science and research in our projects. In close cooperation with various national and international research institutes as well as by our own research and development work we do not only try to realise the state of the art, but also to define it new.

For special tasks state-of-the-art network and plant simulation software is available, which is not only used for design, but also for operational services, energy optimisations, and risk and capacity analyses. Continuous collection, evaluation, and application of the data provided by the plants designed and built by us guarantees determined improvement of services to the benefit of our clients.

## **INNOVATIVE PROJECTS**

- Introduction of the AB - process (wastewater treatment process with high load stage) in Austria. Seven further plants (three of them in China) apply this process.
- Advancement of the C-TECH process - optimized SBR-process: plants for Coca Cola Croatia, three large scale plants in Germany, some in Great Britain, Czech Republic, Slovenia, and China were started-up.
- Application of multi-chamber high rate flocculation for phosphor precipitation at Zellhof WWTP / Austria as advancement of a water treatment process to replace conventional flocculation filtration
- Development of an optimized process for primary sludge fermentation by our subsidiary SFC Schüffel & Forsthuber Consulting GmbH, awarded with the state prize for Consulting by the Ministry of Economics
- Research project on fixed bed biocenoses in SBR plants - in cooperation with SFC Consulting
- First large scale SBR plant for separate treatment of sludge water and leachate at Siggerwiesen WWTP (Wastewater Association of Greater Salzburg)
- Research project in the field of membrane filtration - in cooperation with SFC Consulting

## Company History

Our company may claim to date back to 1919, when founded as consulting engineering practice by Buchleitner & Krieger. One of the main tasks in this time was to provide a modern infrastructure for supplying the population in the city and federal country of Salzburg, and also to provide clean potable water. The association of the consulting engineers Schüffl & Forsthuber has existed under this name since 1970.

Today we belong to the biggest engineering practices in Salzburg and also in Austria, where we execute projects in different fields with an annual investment sum of more than 40 Mio. EUR. In the course of the decades our scope of services has changed considerably and our clients' expectations have increased accordingly.

## Our Team

The success of our company is based on competence and reliability. Hence, motivation and advanced training of our team are essential parts of our corporate culture.

Our team consists of experienced engineers, technicians and scientists in the special fields of construction and civil engineering, water engineering, electrical engineering, EDP, mechanical engineering, and surveying. Interdisciplinary performance is not only a keyword, but also executed practically.

## Philosophy

The realisation of construction and infrastructure projects as well as the solution of environmental problems in a complex environment requires interdisciplinary and anticipatory thinking and acting.

We believe in the innovative application of knowledge and experience, in order to ensure the qualitative and economic success of the tasks assigned to us to the advantage of our clients and our environment.

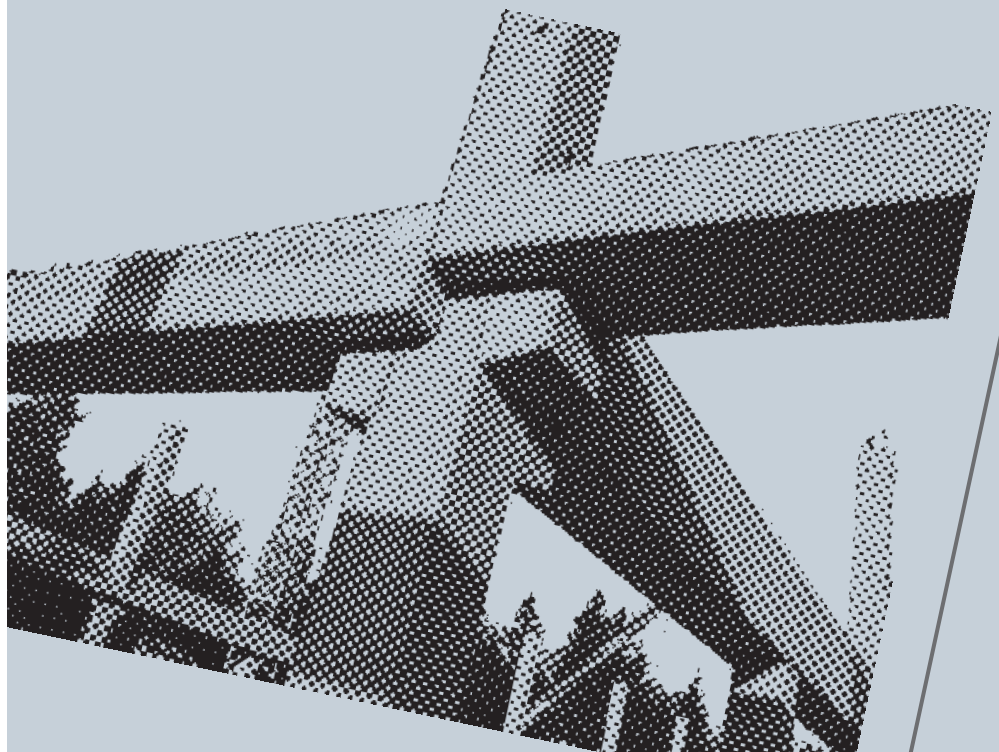
Considering the principles of effective development in the construction of buildings does not only reduce environmental impacts, but our clients also profit from reduced long term costs, higher efficiency, and increased acceptance in public.

## Profile

We work as consulting and designing engineers in the fields of construction, civil and industrial construction engineering, traffic and infrastructure, plant construction, energy supply, water, wastewater, and waste.

Our clients are public and private institutions, companies, and private persons in Austria and worldwide. As legally certified engineers we are free from the interests of producing and trading economy.

We accompany projects from concept to realisation and provide consultancy to our clients in superordinate structural and economical questions.



# FIELDS OF ACTIVITY



CIVIL AND INDUSTRIAL CONSTRUCTION ENGINEERING

- residential building
- office building
- commercial and industrial building
- fundamentals
- structural development
- drainage systems

STRUCTURAL ENGINEERING

- structural engineering
- earthwork and foundation engineering

TRAFFIC AND INFRASTRUCTURE

- traffic planning
- road and pathway construction
- area design for municipalities
- railway construction
- line construction for *water, wastewater, gas, electricity etc.*

WATER ENGINEERING

- precipitation run-off models
- river basin management
- renaturalization
- flood protection
- structural water engineering

POTABLE AND NON-POTABLE WATER

- resource development
- wells and catchworks
- catchment and protected areas
- water treatment
- distribution and storage systems
- irrigation
- rainwater treatment and utilization

WASTEWATER

- drainage design
- mechanical / biological / chemical wastewater treatment
- leachate treatment
- sludge treatment and disposal
- sewer refurbishment

WASTE

- waste management systems
- waste treatment - composting and incineration
- disposal technology
- landfill site reversion and recultivation
- waste incineration

ENERGY

- green energy systems
- biomass and biogas plants
- co-generation plants
- small scale hydraulic power plants
- energy management

ORGANISATION

- privatisation of public supply and disposal utilities
- management concepts

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