



**With an overview for
the right connection.**

straub[®] 

the right connection

an OAliaxis company

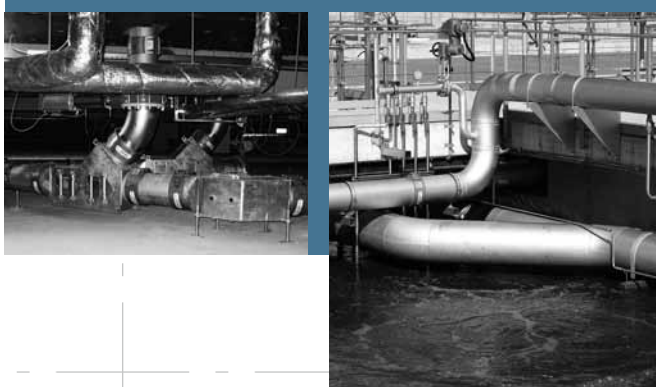
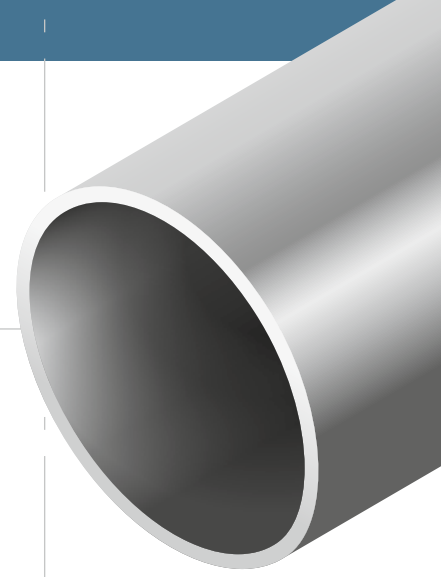


STRAUB ENGINEERING

STRAUB – the right market expertise

Due to many years of practical experience in various markets and submarkets we have the expertise and the overview to develop detailed solutions and procure the quality required.

We have the knowledge about the specific requirements of individual markets for safety, functionality and reliability for optimum pipe connections. Additionally, we know the relevant statutory provisions and have all internationally required approvals. Therefore, rely on the proper world-wide pipe connection expertise by STRAUB.



Swiss engineering competency for reliable high-capacity pipe systems with a focus on the following markets:

Water

Drinking water treatment
Irrigation

Renewable energies

Hydro power plants
Wastewater energy
Solar energy

Industry

Transportation



STRAUB – the right connection

The name STRAUB stands for maximum engineering competency for everything involved with pipe systems and connections. With an experience of 40 years in the industry and proven practical expertise we offer optimum customer solutions that meet the highest requirements for quality and reliability.

Our offer: We will accompany you through all phases of the project.



Situation analysis

The starting phase is especially decisive for the success of a project. The basis is a comprehensive on site analysis.



Pre-Engineering

Optimisation starts with a rough planning of the project. In cooperation with you we will develop a basis for a decision on the required solution.

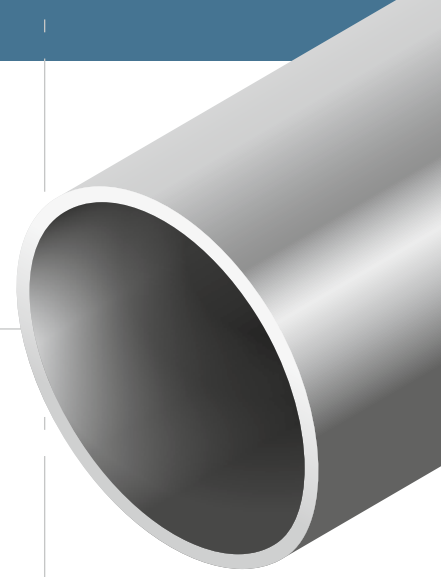


Engineering

We will take over the detailed planning, budgeting and the whole project management for you.

Complex, but simple solutions

If you require safe and long-lasting pipe systems and pipe coupling solutions, we shall assist you in an individual, committed and competent manner. Especially when your requirements demand more than just standard solutions, we are the right partner for you. Based on the original STRAUB coupling technology, which has been demonstrated in more than 40 million pipe connections, we combine different pipe materials such as metal and plastic for tailor-made solutions for customers. In close cooperation with our customers, we will develop the right connection which will meet the project-specific requirements to the full extent. We will accompany you through all phases of your project with highly developed engineering competency, experienced specialists and the proverbial Swiss precision work.



System procurement and quality assurance

We procure optimally matched components, test them and thus secure the quality of the entire system.



Assembly/Commissioning

Our assistance with the assembly and comprehensive system introduction on site will save time, prevent mistakes and thus increase economic efficiency.



Service and maintenance

Even when a project is completed we shall be there for you – with service and support.



Reliable partnership from situation analysis to regular maintenance

A detailed situation analysis is the basis for a permanent pipe connection. We will advise you directly on site around the whole world and will elaborate, together with you, the basis upon which decisions related to the rough planning of the project and the optimum solution approach can be made. Upon your approval our experienced engineers will take over the detailed planning, budgeting and, if requested, the whole project management for you. Following a detailed analysis of the costs the required components will be procured or produced and matched to each other. At your request, we will also provide the installation and commissioning of the solution for you and prepare a proper documentation. After completion of the project you will benefit from comprehensive service packages – our competent service team will support you with advice and deeds in all warranty and maintenance issues. The result – the right pipe system solution with noticeable added value for you.

STRAUB quality and engineering competency

Real-life cases



Clever assembly solution: drinking water for Key West

For the reconstruction of the drinking water pipeline, which runs parallel to US Highway No. 1 across 42 bridges, one thing was especially decisive – the drinking water supply for the 25,000 inhabitants of Key West and the road traffic should not be disrupted for a long period of time. STRAUB engineers, together with the customer, developed a specifically light-weight, easy to mount coupling and provided logistics as well as assembly and commissioning services on site. Installation of the individual couplings took no longer than 20 minutes. The subsequent application of the corrosion protection was carried out while the pipes were back in operation. In that way up to 8 couplings were installed per day without any heavy equipment or special tools that would have resulted in road closures.



Made to size at the pipe end: wastewater treatment for Singapore

Permanently installed pipes with a diameter of nearly 4 metres that had axis deviations of up to 45 mm at the connection points to the new pumping station – that was the challenge STRAUB engineers faced when called to Singapore to develop the best coupling solution. During the site survey and in a very intense dialogue with various partners a permanent and fast solution was found – the axial offset and deformations at the pipe ends were equalised through the application of plastic layers. Subsequently, hinged made-to-size pipe couplings could easily be placed over the firmly installed pipes and fixed. The new wastewater treatment plant went into operation without any delay.



Compensation, as the earth moves

Unstable geological conditions meant that the rock in the middle section of the Vorarlberger Illwerke VKW a water tunnel of was sinking diagonally. This movement exhibits an increasing axial shift, with misalignment and axial length changes at the connections being the result. The engineers calculated that the pipeline length would increase by 870 mm by the year 2045. To compensate for that expansion, the three affected pipes were separated and recoupled with a two-piece STRAUB pipe coupling, which, with a length changing range of 200 mm, is particularly suited to compensate changes in length and tensions and has proved its worth in the field of gas and water supply as well as in industrial applications, for power plants and in shipbuilding. Specialists from STRAUB accompanied the project from the planning stage through the documentation to the finalised integration in the tunnel with their expertise.

Contact our experienced specialists.



Good reasons STRAUB – the right connection

- More than 40 years of development, manufacturing and practical experience;
- In-depth industry and market knowledge;
- Swiss engineering competency and precision work;
- Well-proven quality solutions;
- Tried and tested reliability in various special applications.

When can we discuss your individual challenges?

We are looking forward to hearing from you.



an *OAliaxis* company

STRAUB Werke AG
Straubstrasse 13
7323 Wangs
Switzerland

Tel. +41 81 725 41 00
Fax +41 81 725 41 01
straub@straub.ch

www.straub.ch

