PLANT CONSTRUCTION

FOR THE DAIRY, FRUIT JUICE AND FRUIT PREPARATION INDUSTRIES

bawaco

know how in food processing

ONE COMPANY, SIX PRIORITIES IN PLANT CONSTRUCTION, INFINITE POSSIBILITIES ...

are what bawaco offers the dairy, fruit juice and fruit preparation industries – from the moment the tanker truck leaves the farm full of fresh milk until the final product is packaged and ready for delivery.

In between are the sophisticated engineering and automation processes delivered by bawaco based on its many years of global experience and high-level expertise. After all, everything from the complex sterilisation guidelines for UHT and ESL milk to building complete dairy factories for yoghurt or fresh milk require the utmost care and smooth processes with minimal maintenance requirements and a maximum service life.

Major customers from the liquid foods industry benefit from bawaco's industry-leading knowledge and appreciate the intensive customer care that characterises us in areas such as:

- **consulting**
- **engineering**
- **implementation**
- **project management**
- **commissioning**
- **service**

Whether you're modernising, optimising or expanding your systems – as a neutral provider, bawaco is your ideal partner for the innovative realisation of countless possibilities that can be attractive options for your business.

EXPERIENCE, EXPERTISE AND FRESH IDEAS …

is the mix from which bawaco's many well-known customers in the liquid foods industry benefit. What got its start in Switzerland in 2003 has since grown to include additional corporate headquarters in Germany, allowing bawaco to establish itself as an industry in Europe and the world.

What makes us so successful? A quick look at the bawaco profile:

- **Quality:** Whoever handles very large quantities must rely on extremely high automation processes, the corresponding hygiene standards, maximum production cycles and overall stable processes. Excellent quality at economical prices is indispensable not just in selecting the materials, but throughout the entire process up to and including flawless function tests.

- **Competence:** Alternatives open up powerful options. Before designing your system, we provide extensive consultancy to help you identify which option best meets your requirements.

- **Neutrality:** As an independent provider, we offer you the solutions you actually need (and not just those we want to sell) with particular efficiency. We integrate your existing components and human resources and minimise the need to store spare parts, among other aspects.

- **Team:** „Excellence at both the professional and personal levels" is the prerequisite for being a part of our team, whose members are also familiar with all project stages.

- **Turn-key management:** One company, one contact, and easy handling for you – if required, right up to final commissioning. Or, in other words, all you need to do is turn the key; we will handle everything including the final inspections, at your wish.

- **Safety:** If there are any changes to your system, our system guidelines include safety issues with an eye to any future changes to your systems. Speaking of security: we treat anything we learn about your business with the utmost confidentiality.

Trust is based on performance – which is why our
performance is always flexible, personal and professional.

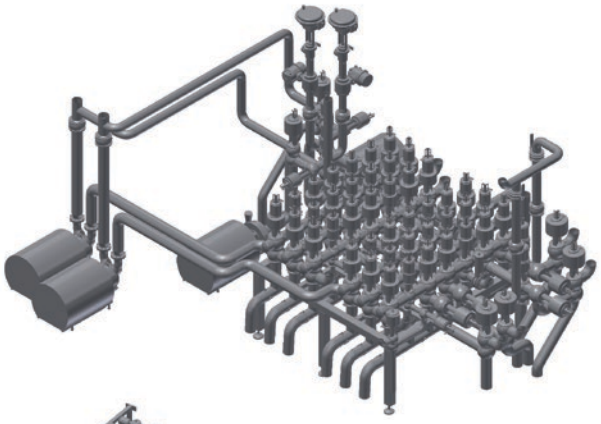
safecontractor™ APPROVED

WHERE OTHERS GIVE UP, WE STILL FIND A WAY …

even if you need us on a Friday afternoon. It is precisely such exceptions that are the rule with us: modernisations requiring intensive consulting, tricky expansions of capacity and questions about optimising your operation is the core of what we do.

That's why you can always expect highly efficient solutions from bawaco, for example, to:

- **increase capacity**
- **integrate new products/components**
- **add variations to products**
- **expand your location**
- **improve quality**
- **realise savings**
- **modernise controls**
- **refine measurement techniques**
- **minimise product loss**
- **change cleaning cycles**
- **implement safety technology or**
- **simply find new input.**

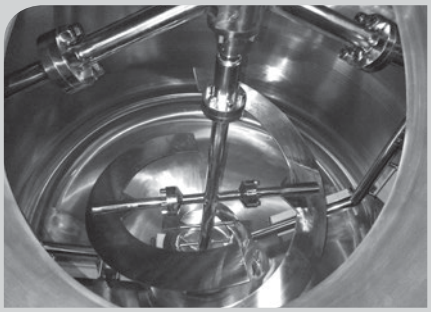


Take advantage of our expertise: we advise, plan, implement and assist with spare parts!

TO KEEP EVERYTHING FLOWING SMOOTHLY ...

we offer a wide range of services for the liquid foods industry, including:

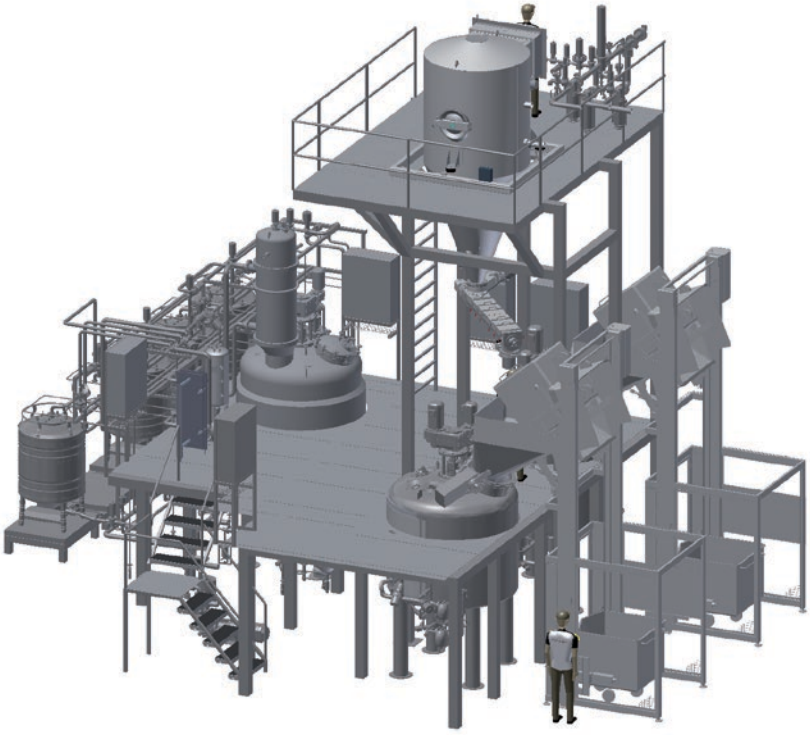
- **Consulting:** We analyse your specific situation and design solutions based on your wishes and your goals
- **Engineering:** We develop process variants, building concepts, flowcharts (Auto-CAD, 2-, and 3-D layouts), determine the required equipment sizes, describe processes, calculate energy consumption, create tender documents and calculate costs
- **Implementation:** We develop concepts for automation and controls, analyse risks, design systems, define process descriptions, program software, integrate and adapt existing process control systems
- **Project management:** We plan, coordinate, manage and monitor your processes in terms of both timing and staffing, select final components during detail engineering, describe the automation/functioning of your system, and supervise on-site installation
- **Commissioning:** We plan and conduct tests of your new system's functionality, integration with your other systems, and final inspections; we instruct and train your workforce; and we plan and implement ways to optimise your existing systems
- **Service:** We provide full and complete documentation, support, spare parts, and after-sales service



At every stage of the process, our services are designed to make your work easier, exclude isolated solutions, reduce costs and achieve your desired goal with a high-quality, economically attractive system.

WE MAXIMISE THE QUALITY, NOT THE PRICE ...

and that means top quality with top customer care at very attractive prices. Because we're not too big for small tasks and not too small for the big challenges, we can offer our services without any unnecessary overhead. We rely on the expertise and outstanding competence in the heads of our own team members. They know exactly where you should economise and where quality is in your own best interest, despite the price. That's why we can always make bids precisely tailored to your needs, regardless of supplier demands.



If you prefer not necessarily the very best, but one of the best possible solution at the best possible price, then rely on bawaco. Our highly motivated and extremely dedicated teams are there for you both as professionals and in a personal way – always with the goal of doing more for you than is usual elsewhere.

YOUR AUTOMATION IS ONLY EFFECTIVE IF IT AUTOMATICALLY LEADS TO MORE SUCCESS ...

Because the sophisticated interplay of engineering, automation and complete solutions depends on many factors, here is an overview of the services and products bawaco can offer you:

PLANT CONSTRUCTION FOR

Milk processing:

- planning, engineering, automation and system construction
- process lines, aseptic units for processing milk
- ESL systems
- sterile tanks
- yoghurt production equipment
- yoghurt/fruit mixing plants
- custom pasteurisers and sterilisers
- complete pre-Process for lactose production
- whey concentrate treatment lines
- cheese production periphery and preprocess
- CIP systems
- special solutions

Fruit processing:

- planning, engineering, automation and system construction
- production lines for fruit juice production/ fruit preparation
- fruit cooking systems
- RWT plants for CO_2 drinks, sterile tanks

Automation for your projects
Our competences:

- ABB SattLine with FOOCOS2 & FOOCOS3 libraries
- ABB 800xA with ProBase libraries
- ABB SattCon
- Siemens S7
- Siemens WinCC
- Siemens TIA-Portal
- Siemens PCS7
- ProLeit
- Intouch

50 years' experience in the dairy industry and 25 years in the fruit processing industry round off a spectrum of services offered by no one else. Learn more about us: we look forward to speaking with you!

bawaco gmbh

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Your partner for fruit juice, fruit preparation and dairy systems

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