



360 degrees water treatment with a green profile

Guldager A/S design intelligent water treatment solutions to ensure the best possible operating activities, efficient energy utilization, optimal environmental and occupational health and safety impact, and to protect capital investment.

INTRODUCTION



For almost a century, Guldager A/S has been working with water. We are one of the most experienced companies in Europe when it comes to water treatment.

However, this does not mean that we rest on our laurels. From the very beginning we were at the forefront of the technological development – and we still are. Our history dates back to 1923 when the founder of the company, Alfred Guldager, found a way to use electrolysis as a means of protecting water pipes against corrosion. Today, this method is a benchmark all over the world.

Over the years we have expanded our business considerably. Besides corrosion protection, we now develop solutions for desalination, softening, and protection against bacteria.

We are continuously developing our technologies, combining and adapting them to obtain the very best operational advantages – always to the benefit of our customers. Every day we strive to be a reliable and competent advisor, and combined with a strong service organization we ensure that the Guldager plants installed with our customers always run flawlessly.

Currently, Guldager is working internationally, and we have subsidiaries in Germany, Switzerland, and in Belgium.

Claus Christian Torbøl
CEO



Water is not just water

We offer 360° water treatment with a green profile

For almost a century, we have been working with water. So you can feel safe with us regardless of your needs for sustainable water treatment.

Many businesses face challenges when it comes to water, because water is not just water. This is why you need Guldager to be there for you. We are specialists in water treatment and apply years of experience as well as the most recent knowledge and technology to meet the many needs of communities. Water is a resource we all need to take good care of.

This very fact convinces us that water is not just water. We show great respect for nature and for our surroundings in every aspect of our business approach. At the same time we are working towards making our technologies even more effective and sustainable.

So have a chat with us – you will be in safe hands.

Intelligent water treatment solutions

As a Full Service Provider, we deliver turnkey solutions for heating, district heating, and cooling systems among others





Our focus is 100 % on water

When it comes to water, we can do most things ourselves

Many companies know something about water. However, not many are specialists like ourselves. We therefore consider ourselves the most credible business partner when it comes to...



Corrosion protection

The combination of water, oxygen, and steel makes water pipes rust. We can prevent that with our knowledge and technologies.



Water treatment

Different types of plants set different requirements for the properties of the water used. We know all about that.



Service

Every day a close network of sales and service staff keep in contact with the ones it is all about: Our customers.



Full Service Provider

With 75 years of experience and access to the latest technologies you only need one turnkey supplier. We provide a total solution from our extensive product range, which means you get a turnkey supplier of plants, equipment, additives, consultancy and service.

We care a lot about sustainability...

In fact, we have done just that for almost a whole century!

At Guldager, we work on the basis of a sustainable strategy supporting our long-term business model while contributing to the achievement of the UN's goals for sustainable development – locally as well as globally.

Accordingly, in 2020 we signed **UN Global Compact**, which means that our activities are now subject to its principles in relation to human rights, working principles, the environment and prevention of corruption.

Because the environment is worth more than just a thought – it requires action.



SUSTAINABLE

Solutions half done are as good as none...

We want to be the best when it comes to water – always!

At Guldager, we have set the very clear goal that we want to be the undisputed best sparring partner and preferred supplier now and in the future when it comes to the needs of our target audience for water treatment. No more, no less.

We are going to achieve that by focusing on four core areas:

✓ **Innovation**

We are continuously developing new standards and solutions for the benefit of and in close cooperation with our customers. In this way we are certain of what is practically feasible.

✓ **Consultancy**

Our sales and service team know what they are talking about, because they know your world. They will be able to quickly get acquainted with your current needs and come up with a realistic and relevant suggestion for a solution.

✓ **Quality**

Any delivery from Guldager should always live up to the obviously high quality requirements of our customers. Accordingly, we are working continuously to assure the quality of our services and products.

✓ **Service**

The closer we are to our customers, the better service we can provide. This is the reason why our service technicians have an in-depth knowledge of the needs and challenges our customers face.

Being the best is what inspires and motivates us – every single day.



CORROSION PROTECTION

Old love never rusts as the saying goes

Neither do your plants with our corrosion protection

A world leader in corrosion protection

The combination of water, oxygen, and steel makes water pipes rust. Alfred Guldager solved this problem in 1923 when he found a way to use electrolysis as a means of protecting water pipes against corrosion. This was the starting point in the development of new unique processes within the field of corrosion protection, where electrolysis became Katolyse®. We have been using this technology in tens of thousands of plants. And we will of course keep doing that.

As a technology development company, Guldager is presently a leader in corrosion protection, and our technology is used in water installations all over the world. Today, it is far from just containers and pipe installations we protect against corrosion. We also prevent the formation of rust in e.g. pipelines and tank facilities, and we carry out projects relating to ships, harbors, and quay facilities. Wherever there is water, there is a risk of corrosion, and we help our customers getting rid of just that.



WATER TREATMENT

Water must be treated with respect

We help taking care of this scarce resource

Efficient and gentle water treatment

At Guldager, we are capable of delivering a complete product range of efficient water treatment plants for homes, industrial facilities and offshore installations.

In industry it could be e.g. for treatment of steam generating units, open and closed cooling systems as well as heating and hot water circuits. In the engine room of a ship it could be cooling circuits, hot water systems, and steam boilers where water treatment is relevant too.

With Guldager's additives, the systems are protected against corrosion, and they also prevent the accumulation of troublesome encrustations and deposits as well as microorganisms. If your systems are in bad condition, we offer a gentle cleaning.





CALCIUM AND SOFTENING

Soft water provides less problems

We can help you with that

Soft water makes good sense in many ways

If there is a lot of calcium in the water, we refer to it as hard water. This is found in many places in Denmark. It is a good idea to soften the water in residential buildings to prevent calcium getting stuck in pipes, machinery, on heating elements, in toilets and faucets. It is costly on the energy bill, leaves a greater workload, and an additional consumption of chemicals.

Within the industry there is a great need of soft water, so that production equipment does not get clogged with limescale and energy consumption is kept at a minimum. It makes good sense in relation to company costs, and at the same time contributing positively to the environment and sustainability.

And last but not least, we can help in the HoReCa industry where there is a need for the right water treatment to get a tasty cup of coffee, a well-functioning steam oven, and beautiful dinnerware sets for their guests. We would like to help with that too.



ELECTROOSMOSIS

Dry basement - quite simply

We can help improving your basement's indoor climate

Drying out of basement walls using electroosmosis

Ascending soil moisture may cause a lot of problems. Not only is it unhealthy for the brickwork and building construction, it may cause mold which is harmful to health. Using electroosmosis, we dry out basement walls and provide the best conditions for a healthy indoor climate.



DISINFECTION AND FILTERING

Water for pools and spas - quite simply?

Not quite, but we have the expertise to advise you

Effective control of the water quality

Not two swimming pools are the same when it comes to disinfection and control of the water quality. Factors like usage load, swimming pool type and size, filtering efficiency, and local water quality should be considered when planning a new pool or major renovations.

Guldager has more than three decades of experience in cooperating with our suppliers on chemical dosing and control of the water quality in commercial pools and spa facilities.

Therefore, it makes good sense to ask us for advice.



BACTERIAL CONTROL AND PREVENTION OF LEGIONELLA

Water must be clean and free of bacteria

We would like to help you with that - and we can

The correct water treatment provides for effective bacterial control

Legionella is a problem wherever we use hot water. Unfortunately, Legionella is a dangerous bacteria which may cause respiratory infections, sometimes even with serious consequences.

So we have put all our efforts into finding solutions to the problem, providing consultancy, analysing and finding the right solution to avoid bacterial growth.

We have many years of experience in bacterial control and would like to help you with that.

FULL SERVICE PROVIDER

Solutions half done - not with us

As your Full Service Provider you can always expect a professional solution from us



In this way, it does not get easier or better

With experience dating back to 1923, we have both the technologies and the competencies to handle total solutions. So, if you have specific requirements for your water quality, business finances, performance, uptime, service and maintenance, we are ready to enter into a close dialogue with you. Subsequently, we will present you with a relevant and realistic proposal for a solution.

Our project department employs experienced engineers and technicians with a thorough knowledge of the parameters and processes being part of water treatment plants. Thus, you can feel confident that our solutions live up to your tender and requirement specifications. At the same time, we provide for quality assurance during the production phase by cooperating with your project and production departments.

SERVICE

We focus on good service

That is your assurance for always getting the help you need

Flexible service agreements

We make sure, of course, that your facility upholds its maximum operating time without you having to do much else than to make sure that it keeps running - year after year. And you can have it almost your own way, because we offer flexible service agreements. Irrespective of which agreement you choose, you can be confident that our service technicians are always capable of giving you competent advice and useful instructions.

We offer a mobile network for communication 24/7 with the control unit of your plant, so that we always know what is going on. Our service technicians will stay in connection online with our Customer Centre, just to assure you that your plant is getting the best service available on the market. It helps to safeguard a healthy surrounding environment and good working conditions.



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