

*swan*



3 of the Founders

Swan Analytische Instrumente AG is founded on January 1 by a group of experienced engineers.

The original Chematest portable device series is released. An uncharacteristic yet important start to the success of Swan online instruments.

The **Compact 200** for reagent-free disinfectant monitoring is released, Swan's first online monitor. Its successor, the AMI Trides, is still being produced today.

Swan Analytische Instrumente GmbH is founded in Germany. The starting shot to a global sales network expansion.



Compact 200

The strategic decision to focus on power generation monitoring sets the course for Swan's resulting success in water steam cycle monitoring.

Swan Systeme AG is founded, a system integrator within the Swan group. The company provides engineering services and supplies sampling & analysis systems for water steam cycles all around the world.



AMI Transmitter

The Swan monitor concept is introduced to guarantee easy integration, assured maintainability and high quality of all Swan analyzers.

As the years pass, Swan grows not only geographically but progresses technically, too. The first series of instruments is modernized by replacing the FAM transmitters with user-friendly AMI transmitters.

One of Swan's most successful developments hits the market: The unique non-contact nephelometer **AMI Turbiwell**.

Hydrogen  
Ozone

Ammonium

Chlorine

Resistivity  
pH

Fluoride  
Silica

Turbidity

Oxygen

Chlorine Dioxide

Phosphate  
Sodium

Nitrate

Organics

Conductivity

Total Organic Carbon

Hydrazine

Carbohydrazide

Swan has grown significantly over the past 17 years. The HQ has to move into the current building as more space is needed for production, offices and shipping.

The **AMI LineTOC** analyzer is released to meet the specific demands of the pharmaceutical industry.

New founded Swan subsidiaries no. 10 and 11 mark the stepping stones to the Arabian and North American markets: Swan Middle East and Swan USA are founded.

Swan strengthens its position in Asia with the first subsidiaries in the Far East: Swan China as well as Swan Singapore are founded.

Swan expands further across the globe with the foundation of Swan South Africa, its first subsidiary on the African continent.



AMI CACE

The **AMI CACE** monitor is introduced: the world's first online analyzer using electro-deionization to continuously, automatically regenerate resin for massive cost savings.

The **AMI SAC254** is released, suitable for online organic carbon monitoring.

The success in South America has grown to the point that Swan founds Swan Chile to provide easier and better distribution within the continent.



Chematest 30/35

The revised handheld **Chematest 30/35** series is released. Easy to use, precise and supplemented by the CT-App.

Swan completes the acquisition of experienced measurement equipment producer Seres OL to broaden its product line to oil & gas applications.

1991

1992

1996

1997

2001

2004

2007

2008

2009

2012

2013

2016

2017

2018

2019



Committed to water since 1991



Your dependable partner. Worldwide.

**Water** is an essential resource in many industrial applications. High-purity water is used in specialized processes in the fields of micro electronics and pharmaceutical production. Water is also used to generate steam in power generation or industrial processes. Potable water supplied through distribution networks is a vital commodity all over the world.

**Continuous monitoring** and controlling of the water quality in these processes as well as in the associated treatment and discharge processes is challenging. The risks and costs of insufficient monitoring are high, which calls for instrumentation specifically designed to meet the requirements of a particular application, for high reliability and low maintenance.

Since 1991, Swan has been developing and manufacturing high quality online analytical instruments that are entirely dedicated to continuous water monitoring. Innovation and quality, customer focus and the relentless pursuit of optimization are more than just a slogan for Swan.

The chemical, biological and engineering background of our founders remains the foundation of Swan to this day, and is what helps us supply all industries with reliable and customer-friendly online analyzers.

Swan – Swiss Water Analytics

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ANALYTICAL INSTRUMENTS

Swan's success is built on a worldwide sales and support network with regional representatives, high quality products made in Switzerland and know how in the applications our instruments are manufactured for.

While our analyzers are produced exclusively in Switzerland, our sales and service teams are located as close to the customer as possible. Direct interaction between Swan and the operators of our products enables the **best possible sales advice and continuous product optimization** according to customer feedback.

Swan's customer-focused sales network consists of official representatives in **15 countries** and contractual international partnerships in **62 more countries** around the globe.

Our local sales representatives are supported by their **regional customer service task forces**. They take care of installation, maintenance, training, troubleshooting and any issues that may occur in an efficient way.

With our sales and support network present around the globe, we are a dependable business partner, wherever you are located.





Precision and reliability – our greatest guarantee

Reliability and accuracy are the most essential properties of a measured value which is why Swan is dedicated to producing highly precise [online analyzers](#).

Online instruments combine the accuracy of a laboratory instrument with the immediate results of an inline measurement. They are also easy to maintain and cost-effective to operate.

Swan is a pioneer in panel-based measurement assemblies for online instruments. The self-developed [Swan Monitor Concept](#) complies with the latest guidelines and standards including various in-house quality control specifications:

#### [System Integration](#)

Our panel-mounted, pre-configured analyzers are

compatible with all common communication protocols and regulation functions. They are designed for easy integration into any new or existing monitoring system.

#### [Service and Maintenance](#)

In order to keep maintenance efficient, the components on all Swan analyzers are clearly arranged and easily accessible. Operation takes place entirely via menu-guided transmitters. Their uniform set-up makes them easy to operate, even with a multitude of measuring devices installed at the same time.

#### [Quality Assurance](#)

The highest production standards, detailed in-house fine-tuning and continuous self-monitoring of our instruments guarantee the Swan quality that customers have come to expect.



Delivering Swiss quality

"Made in Switzerland" is a decisive factor in the quality guaranteed by Swan Analytical instruments. Every component is developed, manufactured and assembled at our headquarters in Switzerland. [Rigorous quality controls and tests](#) under real conditions ensure that the strict criteria and standards of the Swiss Made label are met.

Each and every instrument is assembled and tested by our long-serving, highly trained employees. Their craftsmanship is reflected in the accuracy of our instruments. An extensive wet-bench test under representative conditions with subsequent factory calibration is the final step in the production process.

Careful choice of materials and components, collaboration with top-notch sub-suppliers and continuous investment in modern production facilities allow us to ensure that [Swan products are durable and reliable](#).

Finding the balance between manufacturing high-end products and keeping them affordable is a challenge – one that Swan has successfully mastered.

**SWISS  MADE**







## The one-stop provider for industrial water monitoring



Swan's product portfolio covers a broad range of applications and industries. We pride ourselves on being your single source, catering not only to monitoring needs but also providing consulting and complete sample preparation.

### Water Steam Cycles

Demineralized water used in water steam cycles is often conditioned with additional chemicals. Controlled chemical operations are key to ensuring stable metal oxide layers and preventing gradual deterioration of all wetted components. Swan offers the complete range of online instruments required to monitor and control water quality in cycles and auxiliary systems such as demin water or polisher plants, as well as in process condensates. As a single-source provider, Swan offers all parame-

ters for your plant. Safe operation of the systems is our top priority. Therefore, we emphasize robust and low-maintenance measuring technology for reliable control and continuous operation.

### Cooling Water

In cooling water applications, monitoring needs revolve around disinfection and the prevention of scaling and biofouling. Swan instruments are built to handle heavily loaded material and are used for dosing control and to monitor cooling water cycles.

### Potable Water

The production of potable water involves both filtration and disinfection process stages. Due to the decreasing quality of raw water sources and increased risk awareness, treatment processes and monitoring

needs are becoming more complex. Swan offers a range of robust online instruments for efficient monitoring of potable water treatment and distribution systems.

### Pool & Sanitary

Ensuring the health and safety of customers regardless of the choice of online measurement – colorimetric or amperometric – is of utmost importance. Swan has the right instrument for every application, meeting the legal requirements and making daily work more efficient at the same time. Our range includes the Chematest, our hand-held instrument for mobile use.

### Pharmaceutical Waters

The pharmaceutical industry is subject to strict requirements regarding WFI-water treatments.

Our measuring instruments for ozone, TOC and conductivity are available with all the necessary documents and certificates to comply with the strict industry regulations and give our customers peace of mind.

### High Purity Water

Industrial processes such as electronic chip production require high-purity water as a working fluid. Stringent detection and alarm limits require state-of-the-art instruments to monitor the water in the process loops as well as in the corresponding treatment stages. Our trace analyzers provide fast and efficient monitoring of these processes, contributing to a reliable production process for our customers.





## Holistic consultancy and customized solutions

Every power plant operator and EPC contractor requires different individual services from a system integrator.

Swan Systems Engineering provides engineering services and consultations and supplies solutions for water steam sampling and analysis systems (SWAS).

As a system integrator within the Swan group, Swan Systems Engineering supplies turn-key water steam sampling, analysis systems and related services to EPC contractors and operators of power plants **all over the world**. Our solutions are custom-tailored, comprehensive systems that consider the specific in situ requirements.

Swan Systems Engineering provides specific assessments and analysis based on plant inspections for the optimization and modernization of existing systems, as well as maintenance contracts to ensure the plant runs smoothly, reliably and cost-efficiently.

### Swan Systems Engineering Services

- SWAS for newly built plants
- Refurbishment of existing SWAS
- SWAS standard products
- Consulting and engineering for SWAS

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SYSTEMS ENGINEERING







Austria  
Brazil  
Chile  
China  
France  
Germany  
Hong Kong  
Italy  
Singapore  
South Africa  
Switzerland  
Turkey  
United Arab Emirates  
United Kingdom  
United States of America

● Swan HQ & Swan Systems Engineering  
● Seres OL  
● Subsidiaries  
● Distributors

**SWISS  MADE**



Potable Water

Pharmaceutical Waters

Water Steam Cycles

Cooling Water

High Purity Water

Pool & Sanitary

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ANALYTICAL INSTRUMENTS



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