

COMPANY PROFILE



keep creating innovative solutions for preserving the environment

Chemins Instrument is a leading cutting-edge technology focused on the research, design, manufacturing of water quality online sensors. The group possesses extensive knowledge, know-how, and skills in this industry. Together with our domestic and international strategic partners we are well-equipped to provide effective and hand-on solutions to control for water quality in a wide array of domains including modern agriculture/farming, sewage water treatment, irrigation systems, industrial waste-water monitoring, surface water treatment, drinking water, marine & sea water, water environment monitoring and ecological disaster early warning, pipe network monitoring, peripheral water, box-type secondary water supply, municipal water supply, self-built facility water supply monitoring



Our story

With regard to the growing world population, natural resources are being increasingly scarce due to human activities. In addition, multi-form pollution coming from industrial activities are contributing to accelerate global warming and degrade the quality of our living space. This is then posing challenging problems to maintain a good water quality level.

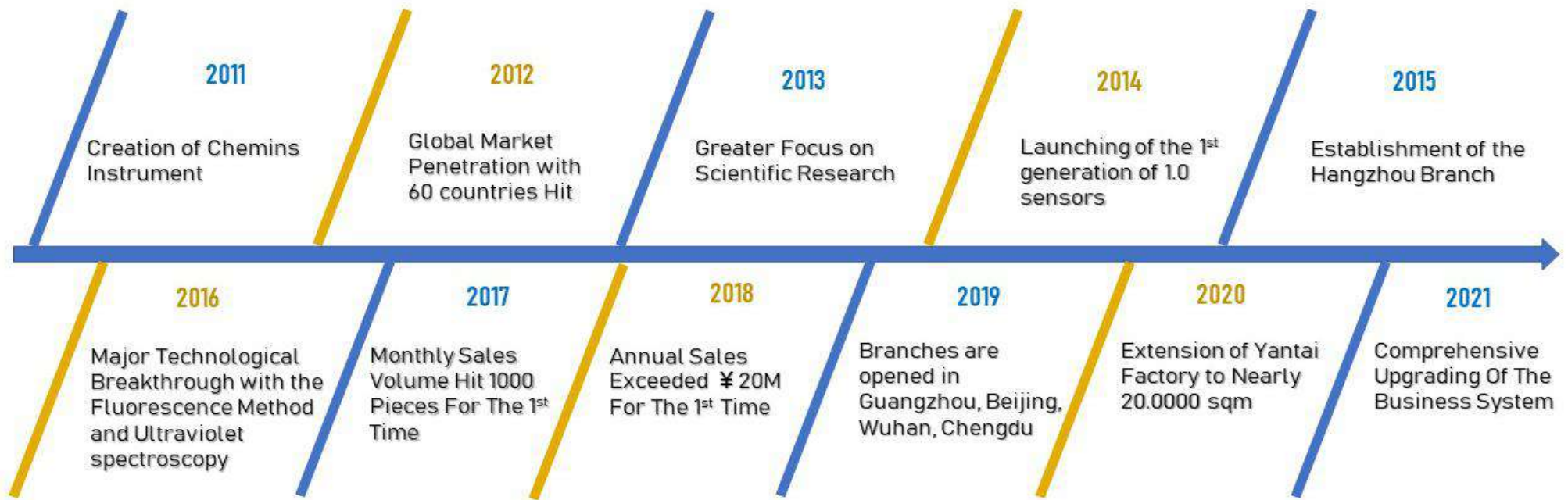
Therefore, limiting and controlling the level of water parameters are become a must-done operation for organizations involved in any activity that requires water utilization. Chemins' passion to help such actors to be equipped with last generation of instruments that can facilitate the process water quality analysis and make fast and easy decision-driven data has led a group of expert to created Chemins Instrument in 2011.

Chemins Instrument's team has been so far dedicating himself to find complete solutions to help addressing the issue of water quality in various environments. With a world class factory located in Yantai city, Shangdong province and research & development centers installed in Hangzhou and Guangzhou, Beijing, Changsha, and Chengdu, Chemins Instrument provides conventional and intelligent water quality sensors and full integrated water quality monitors and controllers.

With a passionate team and like-minded staff, Chemins Instrument mission to cherish every drop of water by bring out tailored-made solutions for each customer. By doing so, we participate to restore the used natural resources for the Alpha generation by permitting different stakeholders to take part in the process.



Historical development trend



1- Scope of Operation and Maintenance Services

The operation and maintenance of automatic water quality monitoring station mainly includes remote maintenance, on-site maintenance and emergency maintenance to ensure the quality of monitoring data and record the maintenance process in detail.

2- Solution Plan

2-1 Water Environment monitoring solution

Chemins water environment monitoring solution is mainly composed of operation and maintenance services + five hardware devices (water quality monitoring sensor + water quality monitoring buoy + water quality analyzer + micro water quality monitoring station + shore station) + cloud service platform + APP, providing users with economical and efficient one-stop solution of software and hardware + operation and maintenance + data analysis and processing, real-time online monitoring and statistical analysis of water environment quality and its changes, providing decision support for water environment pollution prevention and control.

2-2 Underground pipe network monitoring solution

Chemins intelligent underground pipe network integration equipment system is a comprehensive, multi-level, full coverage of environmental protection platform. Spectral sensing monitoring technology and visual information platform are adopted to avoid the impact of complex water environment through low-cost and high-density distribution, and realize the water environment monitoring of underground pipe network from point to surface. The system allows to monitor the conventional five parameters, COD, ammonia nitrogen,

liquid level and flow rate, and provide real-time data monitoring.

2-3 Water supply water monitoring solution

Chemins' water supply water monitoring and control system offers a complete remote supervision and intelligent system. It uses Internet of sensing technology, and combines big data analysis, cloud computing and other cutting-edge technology, to build a spatial, digital, networked, intelligent and visualized monitoring system.

2-4 Sewage water monitoring solution

Chemins' agricultural water quality monitoring solution is aimed at soilless cultivation, agricultural canal irrigation, factory recirculating aquaculture, dew pond aquaculture and other planting and breeding fields. It adopts online continuous and automatic analysis method to monitor the quality of planting and breeding water and tail water in real time. All environmental parameters are "clear at a glance", so that users can timely and effectively prevent and control planting and breeding disasters, reduce planting and breeding risks, and achieve intensive, high-yield, and efficient agricultural planting and breeding.

2-5 Marine environment monitoring solution

Chemins' Marine Environment Monitoring solution is based on the "Internet +" intelligent marine monitoring equipment independently developed and produced. It establishes a monitoring network covering the entire sea area, and innovatively proposes the "four-in-one" of refinement, networking, miniaturization and intelligence.

The operation monitoring mode can realize real-time monitoring of marine on-site data at a fixed point, timed and qualitatively, and create one-stop solutions for marine environmental quality, marine ecological monitoring, marine forecasting and disaster reduction, and marine pasture monitoring.

2-5 Sewage water monitoring solution

Chemins' sewage and water monitoring and management system integrates advanced technologies such as IoT perception technology, big data, artificial intelligence, etc., to monitor the main pollution factors in the process of sewage treatment in real time, and to grasp the situation of sewage treatment and discharge in a timely, accurate and effective manner. During the process, the parameters can be adjusted in time, and the effluent can reach the standard stably. It is widely used in rural sewage, urban sewage, industrial parks, emergency monitoring and other scenarios.

2-6 Industrial water quality monitoring solution

According to the factory sewage monitoring requirements of enterprises, the Kaimis industrial water quality monitoring solution combines 5G, cloud computing, artificial intelligence AI-IOT technology to monitor the ion and heavy metal content of sewage, as well as total phosphorus, total nitrogen, COD, BOD and other parameters, to achieve online Automatic collection, statistics, processing and monitoring of enterprise sewage discharge data, to provide perfect solutions and technical support for the realization of industrial digital monitoring.

The Chemins' core competitiveness advantage

1- Professional talent System

The company focuses on cultivating all kinds of professionals who participate in the management team, including more than 40 R&D personnel, 4 laboratory experts, 8 IT experts, 5 software and hardware testing experts, more than 30 front-line technical maintenance engineers, 10 Master's degree graduates, 2 doctors, and graduate students and more than 70% of the employees hold a Bachelor degree.



2- Information Service

The company has independently developed information platform products such as intelligent cloud platform, APP and applet for water quality monitoring, and formed a complete data control system supporting hardware products. With a great focus on the development, intelligently collect parameter data in various water quality environments, realize big data monitoring, big data analysis, big data decision-making, etc., to help customers achieve the purpose of precise pollution

to help customers achieve the purpose of precise pollution control and scientific pollution control.



3- Technological Innovation

In the past three years, the company has carried out a total of 24 innovations in scientific and technological projects, and has obtained more than 100 intellectual property rights and soft copies independently developed. Certification, technological innovation ability has been unanimously recognized by industry experts. Certification, technological innovation ability has been unanimously recognized by industry experts. The developed integrated multi-parameter sensing weapons, integrated digital sensors with small size and low power consumption, and intelligent water quality monitoring systems have passed the inspections of the Ministry of Water Resources, the Ministry of Ecology and Environment, and the Shandong Provincial Bureau



4- Efficient Operation and Maintenance and After-sales Service

Chemins' professional engineering operation team and engineer maintenance team, equipped with advanced intelligent equipment, have accumulated rich experience in project operation and maintenance with a strict scientific operation and maintenance service management system and an efficient and standardized after-sales model. It can provide professional water quality monitoring operation and maintenance solutions to ensure continuous, accurate and reliable water quality monitoring data, 7*24 hours of service response, and a timely response rate of 90%.



A few achieved cases at a glance

1- Shandong Aquaculture Case

The aquaculture monitoring system is based on Kemis intelligent perception and IoT sensing technology, which integrates functions such as online collection of water quality and environmental parameters, unlimited transmission, intelligent processing, over-limit alarm, and remote management. It has high reliability and autonomous processing capability, and equips factory-based aquaculture devices with the ability to implement shared data collection, thus perfectly solving the problems of inconvenient monitoring of water ecological environment, high cost, and excessive labor consumption in aquaculture.



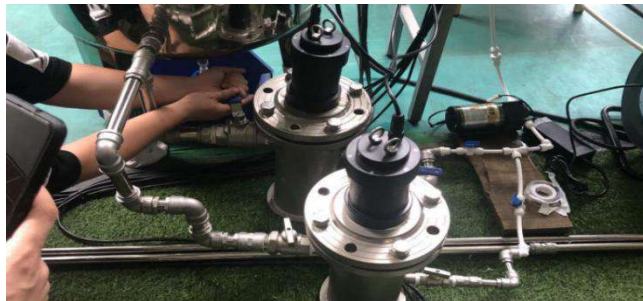
2- Guangzhou Municipal Sewage Pipeline Monitoring Project

The project uses monitoring network intelligent equipment to control the pH, conductivity, COD, ammonia nitrogen, total phosphorus and other parameters of the underground pipe network in real time, and upload the data to the government monitoring platform using wireless transmission technology in a real-time, continuous and stable manner. Therefore relevant departments can timely and accurately sample and collect evidence, effectively prevent firms from stealing and leaking discharge, and improve the quality of pipe network operation.



3-Qingdao Second Supply Project

The project mainly conducts multi-parameter water quality monitoring for secondary water supply. It utilizes integrated equipment to monitor urban drinking water in an all-round way, not only to control the conventional parameters, but also to accurately control the three parameters of the secondary supply parameters pH, residual chlorine and turbidity, 360° without dead angle, to ensure every drop of water flowing into the user's home is safe.



4-Rizhao Reservoir Project

The project combines modern IoT, GPS, GIS and other technologies to easily and quickly monitor the total phosphorus, total nitrogen, ammonia nitrogen and other parameters of local reservoir water quality.

The system automatically and continuously analyses, and transmits data in real-time and in a stable form to provide rapid technical support for the protection of local drinking water sources, effectively improve the level of modern management, and realize three-dimensional supervision of the water environment.



4-Shandong Yantai Sewage Treatment Plant Outlet Monitoring Project

The project mainly monitors the water quality of the discharge outlet. Monitoring indicators: pH, dissolved oxygen, turbidity, temperature, ammonia nitrogen, COD, supporting buoy. The data is wireless transmitted to the cloud service platform, which can monitor and warn the water quality of the discharge outlet in real time, continuously and accurately, and prevent the re-pollution of the river water from the source.



Strategic Alliances & Partners

Strategic partnerships have been formed with leading national institutions to provide effective environmental solutions and innovative new products.



Vision: To become the global leader in water quality analysis

Core Values: Value; Respect; Quality; Service

Mission: Every drop of water is worth cherishing

Positioning: China's leading brand of water environment IoT sensing



Contact & address

Yantai Branch

Address: No. 15, Entrepreneurship Base,
Development Zone, Zhaoyuan City, Shandong Province
Tel: 0535-3463801
Email: service@chemins-tech.com

Beijing Branch

Address: Room 1108, Building 2, Xiaoyue Center Plaza, No.
88 Qingnian Road, Chaoyang District, Beijing
Tel: 15065776157 15564545270
Email: zhanghuijun@chemins-tech.com

Xian Branch

Address: 501, Building 3, Yicuiyuan I Metropolis,
Tangyanan South Road, High-tech Zone, Xishi City, Shaanxi
Province
Tel: 18030586342
Email: houzhaolong@chemins-tech.com

Hangzhou Branch

Address: Building 17, Singapore Science and Technology
Park, Kejiyuan Road, Jianggan District, Hangzhou City,
Zhejiang Province
Tel: 0571-87185831
Email: service@chemins-tech.com

Chengdu Branch

Address: Room 1003, 10th Floor, Unit 2, Building 1, No.
66, South Vanke Street, Chenghua District, Chengdu City,
Sichuan Province
Tel: 18058758412
Email: zhengxiaofeng@chemins-tech.com

Guizhou Branch

Tel: 13367399290
Email: zhongxiaoshu@chemins-tech.com

Guangzhou Branch

Address: 61, No. 324, Junli International Apartment,
Tonghe Road, Tonghe Street, Baiyun District, Guangzhou
Tel: 19975378298 15967173120 18822162696
Email: zoupeng@chemins-tech.com

Wuhan Branch

Address: 1511, Block A, Hailun Plaza, Jiangxia District,
Wuhan City, Hubei Province
Tel: 13367399290
Email: zhongxiaoshu@chemins-tech.com

Jinan Branch

Tel: 15065776157
Email: zhanghuijun@chemins-tech.com

