



SHENZHEN CLEAR SCIENCE & TECHNOLOGY CO., LTD (KELIER)

IP Portfolio Summary

ISO management-system certifications, invention patents, international PCT registration, and software copyright — the full intellectual property record of Kelier Water Treatment.

3

ISO Certifications

7

Invention Patents

28

Utility-Model Patents

1

International PCT

Document Reference: KELIER-IP-2025

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kelier.co · Shenzhen High-tech Industrial Park, China



ISO Management System Certifications

All three certifications issued by China Newcentury Certification Co. (CNCC), covering Kelier's full industrial wastewater treatment scope.

ISO 9001:2015 — QUALITY MANAGEMENT SYSTEM

Certificate No.	016SZ24Q31041R1S
Valid From	14 May 2024
Valid To	8 July 2027
Issuer	China Newcentury Certification Co. (CNCC)
Scope	Design, manufacture and service of industrial wastewater treatment equipment

ISO 14001:2015 — ENVIRONMENTAL MANAGEMENT SYSTEM

Certificate No.	016SZ25E30568R1S
Valid From	23 April 2025
Valid To	25 April 2028
Issuer	China Newcentury Certification Co. (CNCC)

ISO 45001:2018 — OCCUPATIONAL HEALTH & SAFETY MANAGEMENT SYSTEM

Certificate No.	016SZ25S30521R1S
Valid From	23 April 2025
Valid To	25 April 2028
Issuer	China Newcentury Certification Co. (CNCC)



7 Core Invention Patents

Each protects a fundamental breakthrough in chemical-free separation, flotation, catalytic oxidation, or off-gas treatment. All granted by CNIPA — China National Intellectual Property Administration.

01

High-efficiency energy-saving jet aerator

ZL201310263141.8 · Granted 2014

02

Ozone oxidation & flotation combined treatment system and process

ZL201510128255.0 · Granted 2015

03

Composite catalytic material and black-odorous water treatment method

ZL202111411819.3 · Granted 2022

04

Defoaming and foam-removal system

ZL202210971694.8 · Granted 2022

05

Malodorous gas treatment system

ZL202211023653.2 · Granted 2022

06

Gas-liquid reactor for malodorous gas treatment

ZL202211011648.X · Granted 2022

07

Defoaming and foam-removal device

ZL202210972817.X · Granted 2022

INTERNATIONAL PCT PATENT

Integrated ozone oxidation and flotation wastewater treatment system

Publication No.

W02019/127270A1

Authority

WIPO — World Intellectual Property Organization

Designation

International patent application with global protection scope



Software Copyright & Utility-Model Patents

SOFTWARE COPYRIGHT

Title	Oily Wastewater Treatment Monitoring System V1.0
Registration No.	2018SR815874
Year	2018
Authority	CNIPA — China National Intellectual Property Administration

UTILITY-MODEL PATENTS — PORTFOLIO OVERVIEW

Kelier holds 28 granted utility-model patents spanning over a decade of device-level innovation, from cyclonic separators and coalescing media to micro-nano bubble reactors and MBR systems. Selected highlights:

High-efficiency cyclonic flotation device	ZL201320375994.6	·	2013
High-efficiency coalescing oil-water separator	ZL201420309858.1	·	2014
Micro-nano bubble oil-sludge cleaning integrated device and system	ZL201820740344.X	·	2019
Ozone catalytic reaction device	ZL202122920561.5	·	2021
Full-volume leachate treatment device	ZL202322302966.8	·	2024
Novel micro-nano bubble cyclonic filter	ZL202421195648.4	·	2025

Full utility-model patent list available at kelier.co/certification

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