

WCS Group

Safe Efficient Compliance

MARLOWE Critical Services



Smart thinking

Outstanding **water treatment**
and hygiene management
for schools and universities

Pure quality is ABC to WCS Group

WCS Group's school and university water treatment and hygiene programmes are expressly designed to impact health, safety, comfort and wellbeing of students, buildings and guests, as well as reducing running costs. We ensure compliance, reliable ambient temperature, crystal clear water and fresh indoor air quality for schools all over the UK and over 20 of the top-50 UK universities.

What do we do?

We help manage, maintain and improve heating, cooling and air systems helping to deliver;

- Sustainable solutions with optimal ROI
- A more positive on-site experience
- Reductions in deferred maintenance
- Increases in operating efficiency
- Smaller environmental footprint
- Enhanced faculty safety and sustainability
- Extended service life of critical capital assets (cooling towers, chillers, steam boilers etc)

How we deliver

Our Water Engineers, Hygienists, Risk Assessors and Major Plumbing Engineers access, service, report and help maintain critical plant and equipment. We guard against corrosion, bacteria and scale. We manage Legionella risk. We supply solutions configured to individual sites, ACoP L8 standards for;

- Temperature checks, audit and system efficiency
- Summer-time essential maintenance
- TMV and shower cleaning and disinfection
- Cooling towers and steam boilers maintenance, refurbishment, improvement
- Chemical cycle, dosing, supply and monitoring
- Swimming pool management
- Legionella training (refresher is mandatory)

Why WCS Group?

- More top-50 university experience than anyone else
- Solutions are proven but unique to your site
- We can improve asset management and life cycle enabling new performance levels
- Sustainable solutions to ISO 9001, ISO 14001, CHAS
- Huge savings possible via Remote Temperature Monitoring
- Assisting in-house resource with deep technical knowledge
- Ensuring uncompromising safety and compliance – see case studies

Education experience includes:



National coverage, local service

Technological advances are shared nationally but service is managed by local engineer teams who are familiar with specific sites and territories.

Case study University 1



Situation

This institution is a recognised leading world business school with 4,000+ students and state-of-the-art research facilities, technology and management. They require world class water hygiene.

Result

For over 10 years, WCS Group has supplied a full water hygiene service, Legionella risk management, control and training (we also provide water treatment services). We monitor all Log Books, take and record monthly temperature data, service TMVs and clean and disinfect showers and conduct essential summer maintenance. We have introduced Remote Temperature Monitoring which saves labour time and enables new levels of system efficiency. All buildings, water systems, heating, cooling and hygiene is maintained to exacting standards well above HSE and L8 guidelines.

Case study University 3



Situation

This leading Welsh university was looking for highest water and hygiene standards, shared knowledge, uncompromising safety and continuous improvement to help it meet strict operating, social and financial commitments and maintain the university reputation.

Result

For over eight years, WCS Group has helped this university meet desired targets in respect of water systems, hygiene, cleanliness, operating efficiency, system control and safety. Over 12,000 full-time students enjoy clean, safe water, fresh air and reliable ambient temperatures. We oversee all Log Books ensuring uncompromising safety and compliance. We are currently looking to trial a Remote Temperature Monitoring system that will help deliver further operating efficiencies and could save over 5,000 man-hours per year.

Case study University 2



Situation

This large university (30,000 students and 8,000 staff) wanted exemplary water treatment and hygiene, system improvements and efficiencies and hygiene outsourcing for all residential buildings.

Result

For almost 30 years, WCS Group have assisted the large in-house maintenance team by auditing academic building management, performance and compliance and leading hygiene management and maintenance across all residential buildings. Our Up2Date electronic Log Books store water and fire, security and other essential operating intelligence. Students enjoy constant, safe, clean water, reliable temperature performance and the university know that all related water systems are clean, safe and compliant.

Case study University 4



Situation

This well-known university is undertaking a major investment in infrastructure and brand new student accommodation (1,300+ en-suite bedrooms) with new cinema, gym, TV and games facilities. They require water hygiene advice, support and assistance across existing and new buildings.

Result

WCS Group are into year three of a long-term hygiene contract. We started by introducing Up2Date (an electronic Log Book system) which records essential data and centralises Asbestos, Fire, Roller Shutter door testing etc enabling greater transparency, operating efficiency and better informed decision-making. We monitor, maintain and manage all water hygiene activities across all academic and residential buildings. We provide Risk Assessments, Legionella training for Managers and Duty Holders. We provide annual water storage tank inspections, disinfectant and cleaning. We audit TMV and shower cleaning and ensure all university buildings comply with ACoP L8.

Case study University 5



Situation

This top-10 UK university have a large in-house maintenance and engineering team but required a rapid-response tank cleaning service to keep them compliant.

Result

WCS Group mobilised our tank cleaning resources to inspect, clean, disinfect and hand-back ACoP L8 compliant operation of water storage tanks. We also audit Log Books and conduct Risk Assessments to ensure data is accurately recorded and plant and equipment are running at optimised levels. We train Duty Holders and other in-house personnel in accordance with Legionella awareness and risk management guidelines under ACoP L8. The university has no hygiene issues or concerns about safety, reputation or non-compliance.

Case study University 6



Situation

This single-site university is a top-20 UK research and Further Education facility. They wanted a Legionella and water hygiene specialist to manage all Legionella control and risk across the entire 440-acre site.

Result

The water and related hygiene system is incredibly complex and generates low flow areas and other operating features (including occasional use) which increase the chance of Legionella. WCS Group has full-time specialist staff working at this university and has instigated a rigorous temperature testing, sampling and flow monitoring strategy. We flush, clean and disinfect TMVs and showers and have introduced Secondary Treatment systems to manage low-flow and temperature issues that make Legionella bacteria growth a higher risk possibility. Water hygiene is proactively managed and benchmarked against leading university standard KPIs.

Case study University 7



Situation

This top-25 UK university is undergoing a strategic plan to promote discovery-led research and learning excellence. It wanted a specialist who would help accurately identify and map assets, risk and prioritised remedial works making water hygiene and related systems fit for purpose to strict Legionella control KPIs.

Result

WCS Group have two full-time staff on campus. We have mapped and verified water hygiene assets and their interdependence. We have introduced the right level of water sampling and record-keeping necessary to meet the university's strict Legionella KPIs. We take monthly temperature recordings, inspect, service and maintain TMVs and showers across ALL academic and residential buildings. We have introduced RPZ testing and Chlorine Dioxide monitoring.

A Marlowe Critical Services company

WCS Group is the 'Water Treatment and Hygiene' division of the Marlowe Critical Services Group owned by parent Marlowe plc.

Marlowe plc provides one access point for specialist 'highest standards' across;

**'Compliance & Facilities Software', 'Health and Safety Compliance', 'Retained HR, Employment Law & Health and Safety',
'Occupational Health Services', 'eLearning and Training Services', 'Fire Safety & Security Services',
'Water Treatment & Hygiene Services', 'Air and Ventilation Compliance', 'Asbestos Management Services'**

All nine divisions can be accessed singularly or in combination.

The Group shares many common customers and collectively employs 2,200+ specialists, servicing around 30,000 customers.

Compliance. Assured.

WCS Group core services



WATER TREATMENT

Cooling Tower Systems
Evaporative Condensers
Steam Boilers
Low and Medium Pressure Heating Systems
Chilled Water Systems
Pre-commission Cleaning
Pre-Treatment Plant, Dosage, Chemical
Cycle and Control
Remote data logging
Web-based electronic log book
Swimming pools and Spas



WASTEWATER

Water Recycling
Water and Wastewater equipment
supply and service
Wastewater Treatment plant design /
supply / install
Wastewater equipment hire
Industrial Effluent monitoring and
optimisation



WATER HYGIENE

Legionella Risk Assessment and
Water Hygiene Surveys
Monitoring / Inspection Contracts with
Log Book Management
Remote temperature monitoring
Cleaning and Disinfectant Works
Remedial Works
Asbestos Risk Assessment



AIR HYGIENE

Air Hygiene Risk Assessment Survey
Indoor Air Quality Monitoring
Cleaning and Treatment of Air Handling
Equipment



TRAINING SERVICES

eLearning
Legionella Control Training
WCS Group / IOSH / City & Guilds /
COSH training
On-site training for bespoke needs



WATER ENGINEERING

Design and specification for
water treatment
Installation
Reverse Osmosis plant
Cooling Tower maintenance
Plumbing and remedial works
Installation of water softeners
Pre-treatment plant
Closed system chemical cleaning
Waste water management
Re-purposing and harvesting of water



ASBESTOS

Asbestos Surveys
Air Monitoring and 4 Stage Clearance
Asbestos Bulk Sampling and Analysis
Fire Risk Assessment
CDM
Principle Designer
Construction Site Safety Audits
Contractor Assessment

www.wcs-group.co.uk

Enquiries: +44 (0)845 094 4300
alex.winter@wcs-group.co.uk

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