



FLOWPLANT®

CASE STUDY

LEADING UK CONCRETE MANUFACTURER

A leading UK concrete manufacturer needed a more efficient, automated approach to tank cleaning to reduce downtime and improve performance. See how Flowplant delivered a bespoke system that enhances cleaning consistency, reduces manual intervention, and supports reliable, continuous operation.

CASE STUDY

Faced with inefficiencies and downtime from manual cleaning processes, the customer sought an automated solution to streamline operations, improve productivity and increase safety.



BACKGROUND

Operating in a **high-demand production environment** where efficiency, consistency and safety are critical. This customer's existing tank cleaning process relied heavily on manual intervention, leading to inconsistent results, increased downtime, and potential safety risks for operators. With production schedules under pressure and cleaning standards to maintain, there was a clear need for a more reliable and automated solution.

The challenge was to **deliver a system capable of providing thorough, repeatable cleaning performance** while seamlessly integrating into existing operations and reducing reliance on manual processes.

CUSTOMER REQUIREMENTS

- **Automation:** Fully automated system to eliminate manual cleaning.
- **Performance:** Consistent, repeatable cleaning to maintain production quality.
- **Safety:** Reduced operator involvement to improve safety.
- **Integration:** Seamless fit within existing operations.
- **Reliability:** Durable system for continuous industrial use.

The need for automated, consistent, and safe cleaning within a live production environment made this a technically demanding project, requiring a robust and carefully engineered solution.

“The Flowplant system has transformed our tank cleaning process. We’re now achieving rapid cleaning with excellent removal of tank residue, which has made a real difference to our efficiency. The whole project was handled professionally from start to finish, and the system has integrated seamlessly into our operation. A 2nd tank cleaning system is already on order with Flowplant for another section of our plant – more orders will follow in the future for this and our other sites.”

Get in touch today on sales@flowplant.com or call 01722 325424 today.



Flowplant designed and delivered a bespoke automated tank cleaning system, combining proven engineering with tailored innovation to meet the customer's requirements:

AUTOMATED CLEANING SYSTEM

designed to deliver consistent, repeatable tank cleaning without manual intervention.

INTEGRATED CONTROL PANEL

providing simple, reliable operation with precise control over the cleaning process.

HIGH-EFFICIENCY PUMP SYSTEM

engineered to deliver effective cleaning performance across demanding production cycles.

TARGETED CLEANING DELIVERY

ensuring thorough coverage and removal of material build-up within tanks.

FACTORY TESTED & COMMISSIONED

fully assembled and tested at Flowplant to ensure performance, reliability, and ease of installation.



Improved Consistency | Increased Efficiency |
Enhanced Safety | Seamless Integration |
Reliable Operation | Proven Solution

Get in touch today on sales@flowplant.com
or call 01722 325424 today.

IMPLEMENTATION PROCESS

- **Scoping:** Requirements defined during a detailed site survey.
- **Design:** Bespoke system engineered to specific requirements.
- **Build:** Manufactured and assembled in-house.
- **Testing:** Fully tested to ensure performance.
- **Installation:** Installed with minimal disruption.

RESULTS & BENEFITS

- ✓ **IMPROVED CLEANING CONSISTENCY** DELIVERING RELIABLE, REPEATABLE RESULTS ACROSS EVERY CLEANING CYCLE.
- ✓ **REDUCED DOWNTIME** MINIMISING DISRUPTION TO PRODUCTION THROUGH FASTER, MORE EFFICIENT CLEANING.
- ✓ **ENHANCED OPERATOR SAFETY** REDUCING MANUAL INTERVENTION AND EXPOSURE TO HAZARDOUS PROCESSES.
- ✓ **INCREASED OPERATIONAL EFFICIENCY** STREAMLINING WORKFLOWS AND FREEING UP RESOURCE FOR HIGHER-VALUE TASKS. **MORE THAN 1 HOUR SAVED PER TANK CLEAN.**
- ✓ **RELIABLE, AUTOMATED PERFORMANCE** PROVIDING A ROBUST SOLUTION DESIGNED FOR CONTINUOUS USE IN A DEMANDING PRODUCTION ENVIRONMENT.



TECHNICAL SPECIFICATIONS

UNIT TYPE	ELECTRICALLY DRIVEN SKID UNIT
APPLICATION	Automated Cleaning System
FLOW & PRESSURE	275bar 110L/min
TANK	1000ltr water tank with full inlet water filtration
CLEANING HEADS	4 x cleaning heads for 2 x mixing tanks
ACCESSORIES	Additional wash down gun supplied for general area cleaning
TIMER	Built in timer for efficient cleaning time cycle
HANDOVER	Full on-site commissioning and handover for operators



Scan the QR to find out more
about our custom engineering.

Got any questions? Give our team a
call on 01722 325424.

Flowplant Group Ltd
Gemini House,
Brunel Road,
Churchfields Ind. Est.,
Salisbury,
Wiltshire,
SP2 7PU

GET IN TOUCH



+44 1722 325424



sales@flowplant.com



www.flowplant.com

