

## BEST PRACTICE

|                    |                            |                   |                                               |
|--------------------|----------------------------|-------------------|-----------------------------------------------|
| LOCATION:          | Readymix or mortar plant   | ARTICLE YEAR      | 2024                                          |
| ACTIVITY:          | Maintenance & Housekeeping | COMPANY:          | Conspare Ltd                                  |
| SUB ACTIVITY:      | Mixers                     | COMPANY LOCATION: | MAXI Readymix Concrete - Aggregate Industries |
| BEST PRACTICE No:  | BP2214                     | COMPANY TEL:      | 0000                                          |
| COUNTRY OF ORIGIN: |                            |                   |                                               |

### TITLE

**Automated concrete mixer cleaning innovation - improving operator safety and well-being. Topic 2**

### ARTICLE

FINALIST - TOPIC 2

Maxi Readymix were experiencing issues with concrete building up in the single shaft mixer at their Coventry site, this was affecting the batch plant's productivity and impacting operator safety and wellbeing.

Keeping concrete mixers clean is key to ensuring they remain effective, and often the task of cleaning the mixer remains a manual operation and relies on the efforts of site operatives. Critically, cleaning a mixer exposes staff to risk in a confined space, and also directly impacts their welfare and wellbeing. The build-up was routinely forming on the mixing shaft, arms and blades, as well as below the inlet's sliding door which was restricting it from closing. To combat this build-up, site staff would get into the mixer to clean it on a daily basis, spending 1-2 hours on the task with hand-held breaker tools, which exposed the team to HAV risks, dust, noise and injury in a confined space environment.

Severe build-up would require 2-3 maintenance staff to undertake a deep clean of the mixer, which would typically happen on a monthly basis and take a full day to complete, with all of the attendant risks for the maintenance fitters. This downtime significantly reduced the availability of the plant. Site management asked ConSpare to provide a solution so that site teams no longer had to enter the mixer for cleaning.

Please view the video of the system they installed to address this issue.

### ARTICLE IMAGES

