

Purchase of a temporary polymer dosing system

Steven Bomber | 15 Sep 2022 | ID296

🚩 Idea of the Month Competition Nominees

✅ Closed with success by Steven Bomber

Approver: Steven Bomber

Implementation coordinator: Steven Bomber

Plan: Quick Wins

Classes: Efficiency + Health & Safety + Quality

Problem, context, environment, status

Our small polymer dosing system was not very efficient or cost effective for the volume of product we were putting through. It also presented a hazard when re-filling the unit as small 25kg tubs would have to be lifted and decanted into a larger tub (manual handling and splash back risks) We consulted our supplier who recommended a large polymer preparation & dosing system.

Resources: [Floc before.jpg](#)



Description of the initiative

A polymer preparation & dosing system was hired from our supplier, this eliminated the risk of manual handling and splash back as a large IBC was now used which can be put in place with our forklift. We also quickly realised it would be more cost effective to purchase the dosing unit as apposed to hiring.

Resources: [FLOC.jpg](#)



Expected benefits

We have completely eliminated any manual handling and any risk of being in contact with the polymer. The system is more efficient which has increased quality. We have also gained financially with the hire cost being £1500 per month with an initial set up cost of £2000. We purchased the unit for £5500, by purchasing the unit it will save us £18,000 per year.

Financial analysis

Title	Impact distributed over time	Forecast amount
Purchase of hired equipment By purchasing the unit we will save £1500 p/month in hire costs.	01-01-2022 – 31-12-2022	£17,987.7
ROI		£17,987.7

Steven Bomber – 15 Sep 2022