

# OUR SOLUTIONS FOR ENVIRONMENTAL SUSTAINABILITY



## EXPLORE INSIDE FOR:

- ✓ CONCRETE WASHOUT
- ✓ WASTE & MATERIALS
- ✓ CONSTRUCTION & EXCAVATION
- ✓ SITE MANAGEMENT
- ✓ EXTENDING SUSTAINABILITY



At Conquip we create sustainable solutions that have a positive impact on the environment. We support our customers to achieve their own ESG goals, whether that's through reducing waste and CO<sub>2</sub> emissions or improving efficiency on their projects.

**START  
EXPLORING**





## CONCRETE WASHOUT SYSTEM

An holistic approach to managing concrete wastewater from concrete trucks, skips and pumps, incorporating the capture and treatment of concrete water.

- Reuse of water to wash down concrete equipment.
- Recycling concrete wastewater for further concrete production, reducing water wastage and pollution.
- Cuts down on alkaline pollution into rivers and water sources.



**90% of water reused.**

Potential to re-use around 90% of water waste from cleaning concrete equipment.

## SKIP WASHING PLATFORM & SKIP WASHING DRIP TRAY

Promotes safe washout of concrete skips, facilitating water reuse.



**Protect the ground from alkaline water discharge using the washout tray.**



SKIP WASHING PLATFORM

WATER STORAGE TANK

FILTRATION TRAY

## CONCRETE BLOWOUT ATTACHMENT

Minimises and reuses concrete waste material, and prevents environmental contamination from excess concrete left in the lines after use.



**An example 25 week concrete pour:**

- 2m3 left in a concrete pump line.
- 5 pours a week.
- 48,000 m3 of concrete wasted over a 25 week pour.
- $0.147 \times 48,000 =$

**7056KG CO<sub>2</sub>**

Potential to save embodied carbon – kg CO<sub>2</sub>e / kg concrete – 0.147.

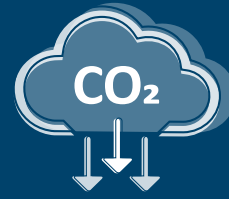


## BULKX

Streamlines muck away processes, reducing CO<sub>2</sub> emissions.

- Eliminate double-handling of spoil by discharging direct-to-truck.
- Reduce machinery hours and volume of trucks on the roads, as only full trucks leave sites.

**Reduce number of excavators on site, using direct-to-truck spoil removal.**



## TEMPORARY PROPPING

Optimises propping schemes, reduces deliveries, and promotes equipment reuse.

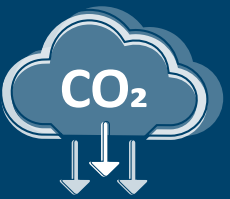
- Reduce CO<sub>2</sub> emissions and promote sustainable construction practices.
- Reduce number of props required and therefore deliveries, through value engineering designs.
- Reduce wastage of steel through using proprietary modular system that can be reused many times and within different designs.
- Improve people access and productivity around every site, as props are high above ground level.

Example: Camden Goods Yard

**20 props reduced to 6**

- Overall meterage greatly reduced. Reduction in number of deliveries as less props were needed.

**Reduction in CO<sub>2</sub> emissions (kg)**





## AUTOLOCK TIPPING SKIP

Forklift skip promotes waste segregation, ensuring efficient recycling and reduced landfill and incineration waste.

- Can be supplied in the Institute of Civil Engineers standard colours for easier and compliant waste management.



**Maximises waste** that can be **recycled, re-used** and remaining waste is treated correctly.

## EXCAVATOR DRAG SKIP

This simple innovation cuts down on wastage of materials and increases efficiency of trench excavation and backfilling.

- Cuts down on material wastage, specifically shingle used in drainage.
- Reduces site deliveries and machinery needed on site, as well as CO<sub>2</sub> emissions.



- On an example project for drainage backfill of 100 residential houses
- Using 800 tonnes of shingle = 50 x 16t trucks full of material

### Save up to 10%

- / 80 tonnes / 5 truck loads of loose materials usually wasted
- Reduce excavator fuel and CO<sub>2</sub> emissions





## FUEL ECO-HUB

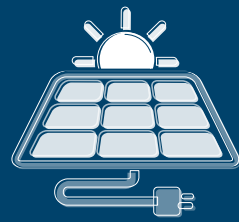
A stand alone, self-powered solution for refuelling and optimising fuel use for vehicles and machinery.

- Solar-powered source of energy to pump fuel.
- Better fuel management helps inform the business about CO<sub>2</sub> emissions and gives more insight into how to make reductions in the future.
- Environmentally compliant, fitted with a spill tray, fully-bunded fuel tank and a spill kit.

An example 2 year project, where machines are filled up 20 times per week.

- Pump uses 0.336kW.
- 0.336 x 2 minutes (0.033 hours) = 0.0112kWh.
- 0.0112kWh x 20 uses = 0.224 kWh / week.
- 0.224kWh x 104 weeks (2 years)

**23.3 kWh saving**



## COSHH CONTAINERS

Ensures safe storage and reduces hazardous material spills, aligning with environmental best practices.

- A large capacity, built-in sump to prevent spills leaking out of the store.
- A flooring grate above the sump prevents having to step into any spills and means spills can be pumped out.

Vented containers to protect site personnel's health and safety. **Ground contamination avoided** as chemicals are contained if there are spills.

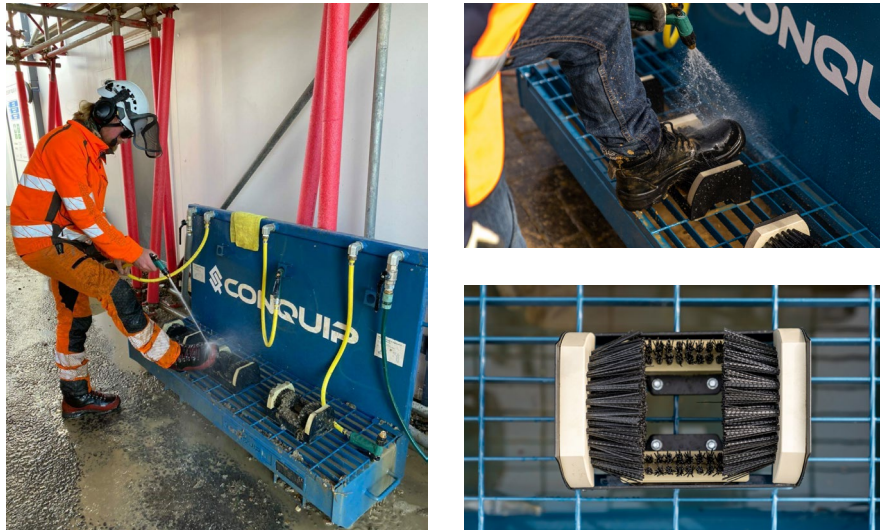




## BOOT WASH

A fully bunded sump prevents cross-contamination between site areas and contains contaminated waste.

- A tap on the outlet means that waste can be contained and pumped.



**Safely clean boots** capturing any contaminated material, protecting the ground from pollution.

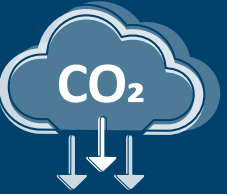


## POWERBRUSH FORKLIFT SWEEPER

Promotes cleaner sites, reduces water usage, and cuts down on machinery emissions.

- A pressurised spray system suppresses and cuts dust pollution.
- Reduces fuel emissions and improves road safety by not using a road sweeper.

Dust on-site is reduced with **less water** required and **less distance** travelled than a road sweeper.

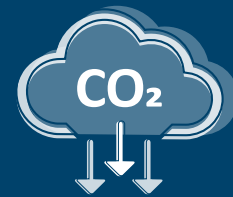


## EXCAVATOR BUCKET BOX

Take the bucket changing area with you, saving on fuel, reducing CO<sub>2</sub> emissions and improving safety.



**Reduce emissions** by eliminating repeated tracking back and forth to the bucket changing area.





## SERVICING & AFTERCARE

Extends equipment life, reduces waste, and promotes sustainable equipment management.

- Reduce carbon emissions.
- Maximise budget and promote reuse of equipment.



## WHY CHOOSE CONQUIP?

### LEADING THE WAY IN SUSTAINABLE CONSTRUCTION

- Pioneering sustainable equipment and solutions for over two decades.
- Direct after-sales support, ensuring equipment longevity.
- Products designed for maximising site efficiency and minimising waste.
- On-site servicing, reducing carbon footprint.
- Original equipment manufacturer, with traceability of materials.

We're exploring new innovations to reduce the impact on the environment and improve sustainability.

**Together, we can make a difference.**

## GET IN TOUCH

Call us on 0333 300 3470  
Email us at [sales@cqgroup.com](mailto:sales@cqgroup.com)

Find out more about our ESG journey and download this brochure at [www.cqgroup.com/uk/esg](http://www.cqgroup.com/uk/esg)

