

United Concrete Canvas KG

A revolution in water resource management

*Faster, Cleaner,
Greener*

For: Asia Development Bank: 18 November 2025



Central Asia:

a region on the front line of water scarcity

- ▶ Central Asia: 2% of global freshwater resources but supports over 80 million people
- ▶ The region faces severe water scarcity,.
- ▶ Over 70% of freshwater is used for irrigation – and over 50% of it is lost through seepage.
- ▶ Over 75% of surface water flows are transboundary, creating international tensions.
- ▶ The Aral Sea shrinkage is one of the world's worst environmental disasters.





Critical Infrastructure Gaps

- ✖ Of an estimated total of over 500,000 km of irrigation and drainage systems **80%** need rehabilitation.
- ✖ Concrete lining and traditional materials are costly and completely unsustainable.
- ✖ Maintenance costs consume a large share of public budgets



The Solution: CCX

Faster:

Typical installation rates are 800 m² / hour.

This is 10 x faster than traditional methods

Cleaner:

CCX typically replace 100-150mm of poured, sprayed or pre-cast concrete for surfacing applications, providing a solution with a much lower embodied CO₂e.

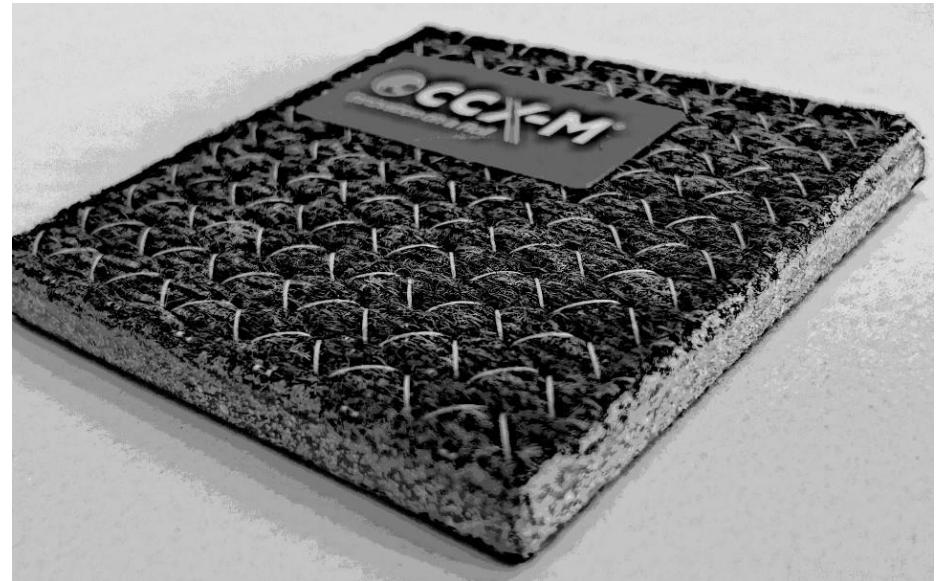


Greener:

One CC pallet replaces the equivalent of two 17-ton concrete mixer trucks, significantly reducing the number of vehicle movements and logistics.

Plus:

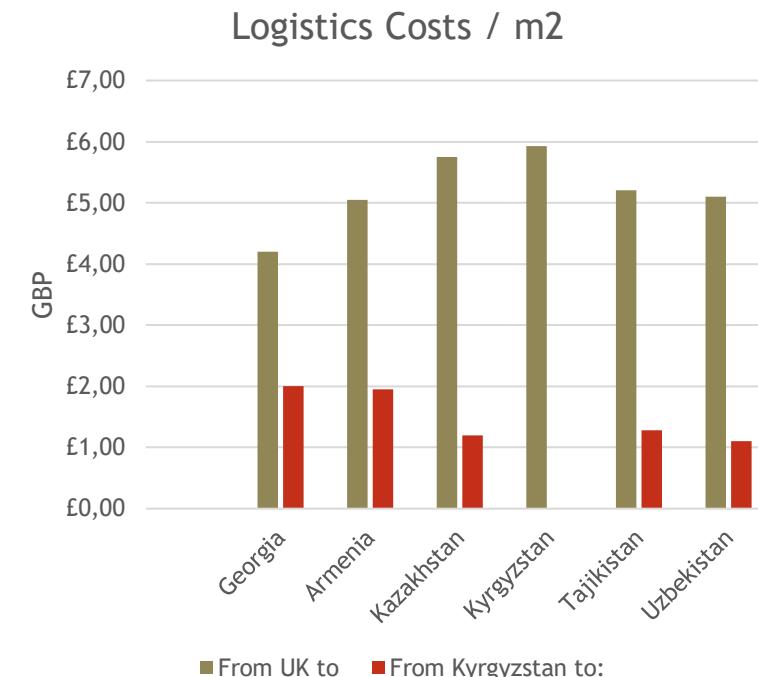
Designed for harsh environments, CCX withstands freeze-thaw cycles, high UV exposure, and chemical stress.



UCC UNITED CONCRETE CANVAS

ACTION: Local Manufacturing

- ▶ Uses local raw materials and workforce.
- ▶ Reduces transport costs and carbon footprint.
- ▶ Supported by technology transfer and training programs.



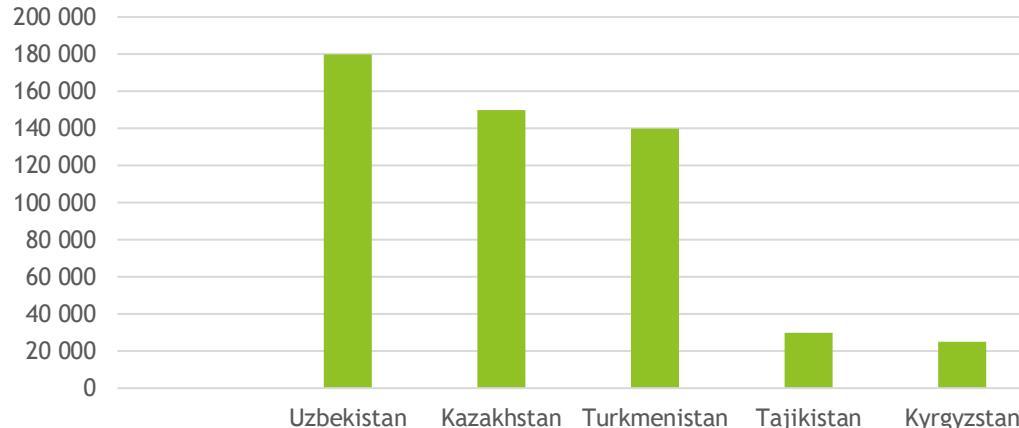
Local Manufacturing benefits:



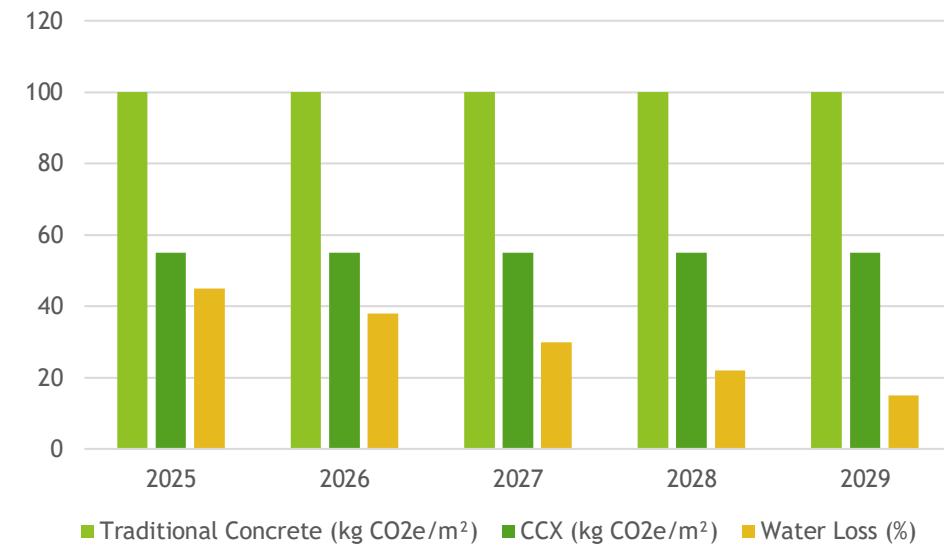
Regional Needs and CCX Benefits

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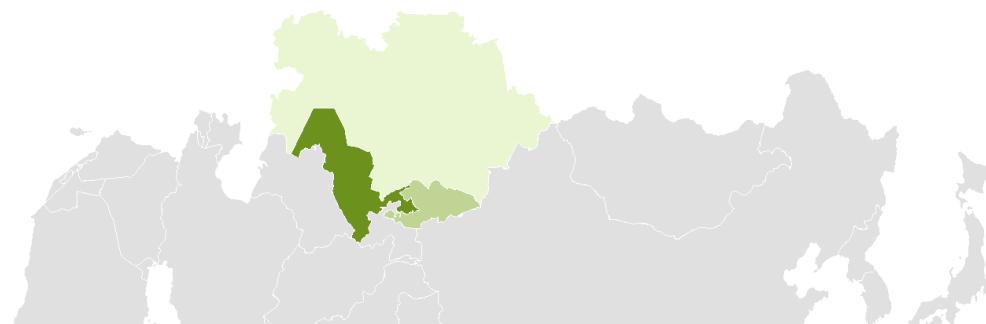
Km irrigation channels to be renewed / repaired in Central Asia



Immediate Environmental Benefits



Regional Impact - Water Saved



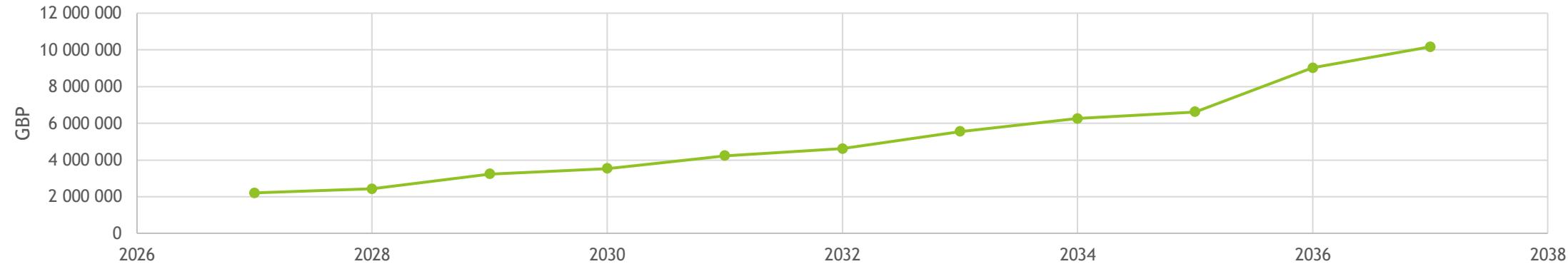
Water Saved (million m³)



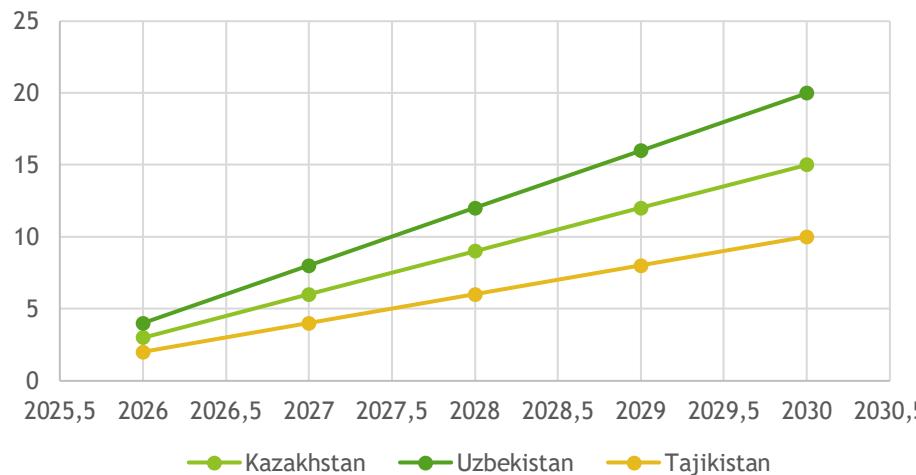
Immediate Real Impact

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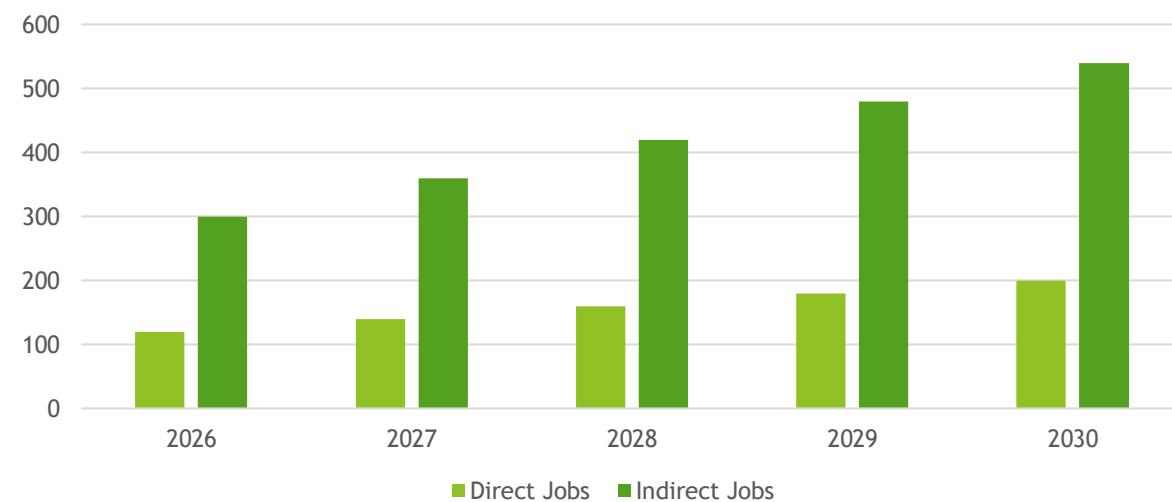
12 YEAR DIRECT INVESTMENT INTO LOCAL KYRGYZ ECONOMY (RAW MATERIALS)



Projected Kyrgyz CCX Exports to the Region



Local Job Creation



Active Shareholders

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UCC KG

Integra

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Integra are our local partners in Kyrgyzstan - with the knowledge, skills and experience to ensure lasting success. www.integra.kz

Glenvisio hold the exclusive distribution rights for Concrete Canvas products in Central Asia. www.ucc.su

Concrete Canvas are the British manufacturers who revolutionised the construction industry by creating Concrete Canvas ® - now sold in over 80 countries around the world. www.concretecanvas.com

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