

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.

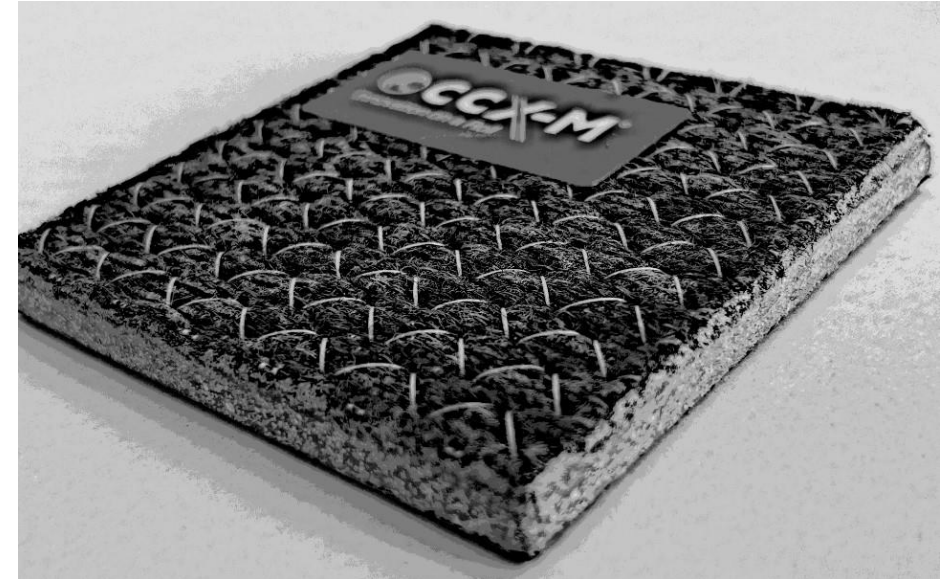


Greener:

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.



ACTION: Local Manufacturing

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

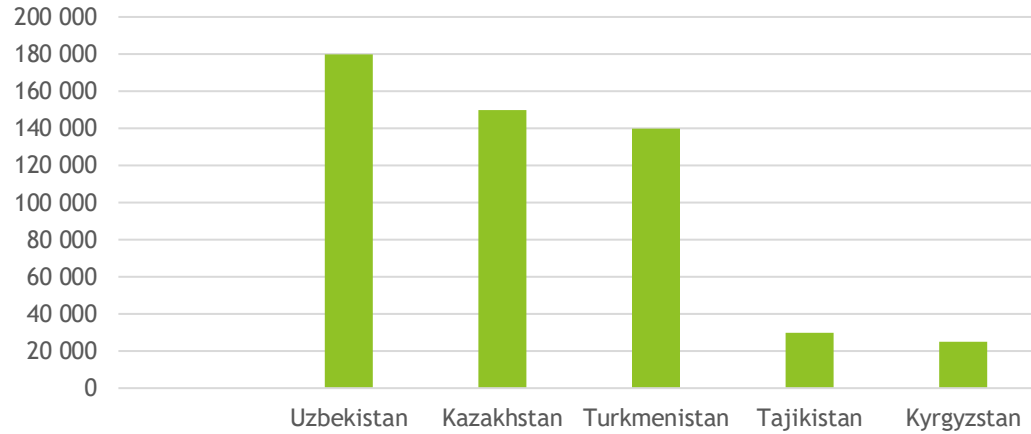


Local Manufacturing benefits:

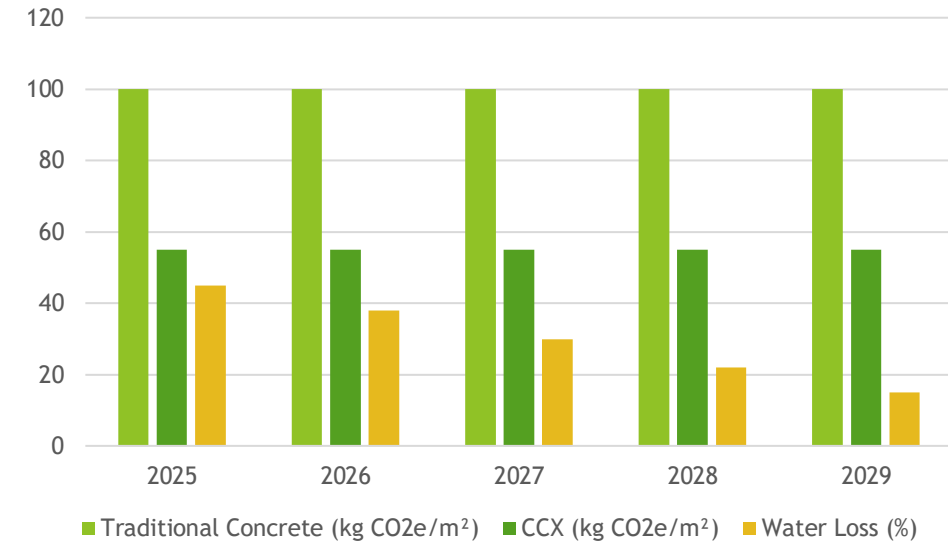


Regional Needs and CCX Benefits

Km irrigation channels to be renewed / repaired in Central Asia



Immediate Environmental Benefits

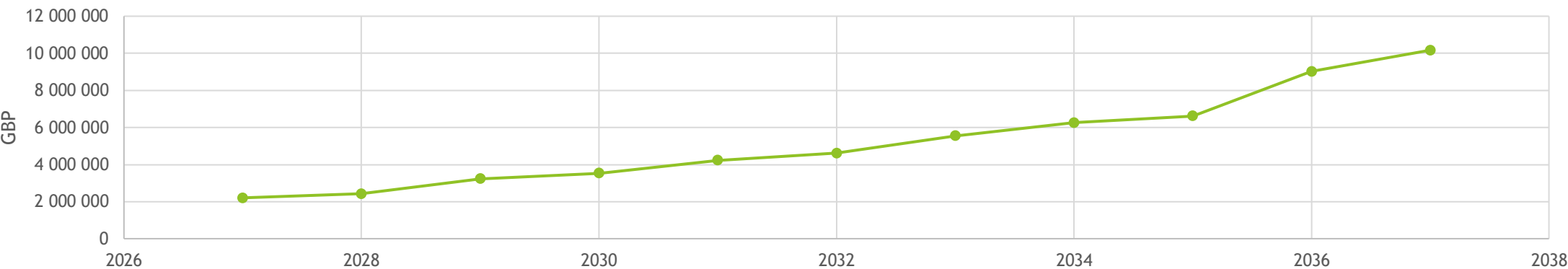


Regional Impact - Water Saved

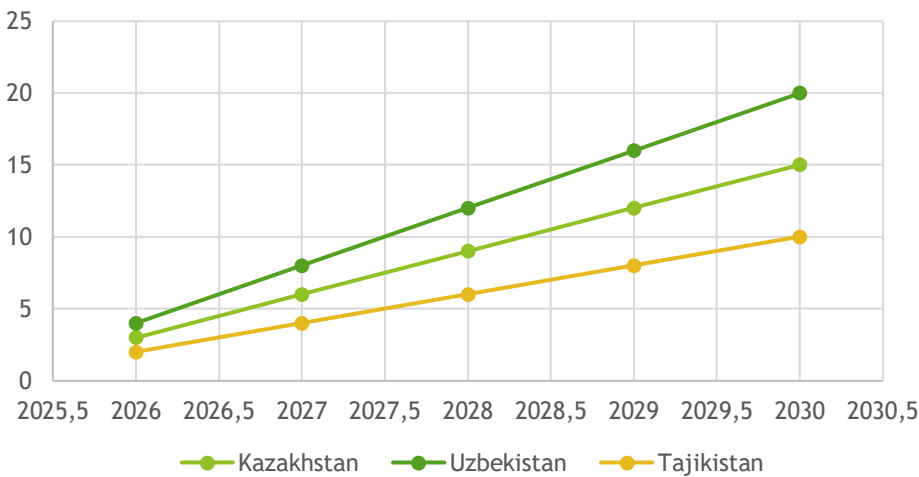


Immediate Real Impact

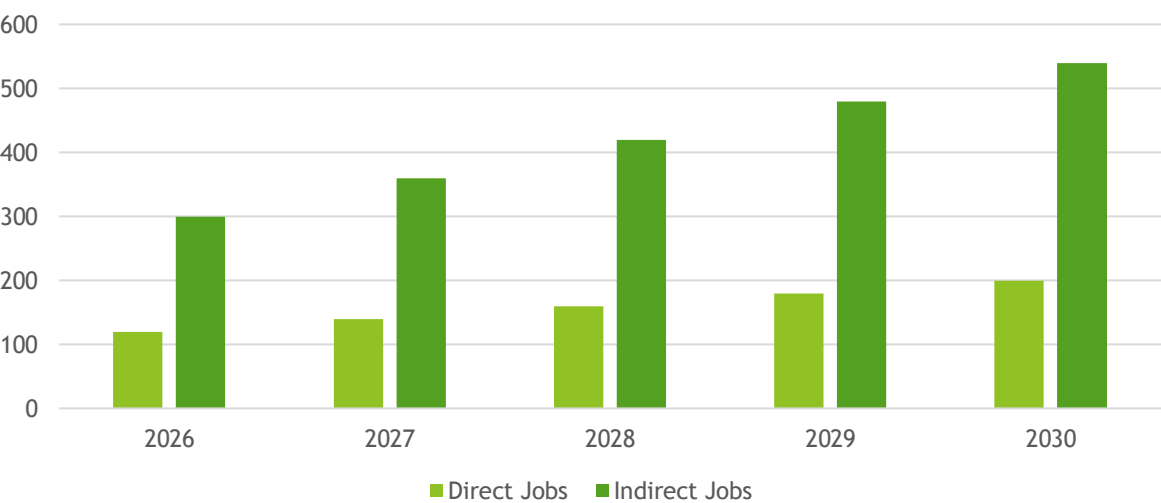
12 YEAR DIRECT INVESTMENT INTO LOCAL KYRGYZ ECONOMY (RAW MATERIALS)



Projected Kyrgyz CCX Exports to the Region



Local Job Creation



Active Shareholders

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UCC KG

Integra

Glenvisio

Concrete
Canvas Ltd

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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