

# Three-phase investment in folding containers for agricultural irrigation

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Can irrigation improve agricultural yields?

Irrigation can lead to agricultural yields two to three times as great as those of rainfed agriculture, allowing for investment in irrigation systems to be recouped because higher-value or higher-yielding crops can be produced.

What is a low-operating cost gravity fed irrigation method?

Low-operating cost gravity fed irrigation methods such as furrow, basin, and micro-basin may be used where water can be distributed in large quantities using height differences from source to field but, if pumping is required, access to energy, pipelines must be installed to transport the water and operational costs are higher.

Will irrigated crop production increase the net income of smallholder farmers?

The financing gap for SSI is significant, but it is expected that a substantial proportion of the 500 million-person global market represented by smallholder farmers could benefit from introducing irrigated crop production and increase their net incomes if financially viable projects can be developed.

How many hectares are irrigated in Africa?

In Africa, total cultivated area is estimated to be 271 million hectares, only 18.6 million hectares of which is irrigated. This includes all forms of irrigation, water harvesting, and drainage control.

With world water resources under tremendous pressure, advancing how irrigation is managed is crucial. IIC supports successful integration of precision- and conservation-oriented practices ...

The study looked at existing irrigation modernization projects through the lens of both renewable energy and water use stakeholders to ...

Using proven VFD technology, the AGSVX drive panel converts readily available single-phase electrical power into three-phase electrical power eliminating the inefficiencies, costs, and ...

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water use stakeholders to identify greater economic, energy, and ...

The intended audience for this brief is a combination of IFIs and international development agencies, with the objective to raise awareness on what has and has not worked in agricultural ...

Abstract: Rapid population growth, rising food demand, and climate change have cre-ated significant challenges to meet the water demands for agriculture. Effective irrigation water ...

The adoption of new irrigation practices and technologies may require additional investments compared to conventional techniques; ...

The adoption of new irrigation practices and technologies may require additional investments compared to conventional techniques; however, this increase in cost may be ...

A typical PDO for a stand-alone irrigation project includes expansion of the irrigation command area and improvement of irrigation reliability, water productivity, irrigation efficiency and ...

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This study explores the design and adaptation of a shipping container into a portable irrigation control station for agricultural operations. The project leverages the ...

The invention belongs to the technical field of water-saving irrigation of a farmland, and particularly relates to a folding type secondary irrigation water distribution device with an...

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