



Africa GreenTec #ImpactProduct

Cooltainer® – self-sufficient cooling system for sustainable agriculture

Farmers are the foundation of the African economy. We strengthen rural communities by implementing our containerized cooling system. With the Cooltainer, we minimize food loss and offer new opportunities for food distribution. The technology was developed in Germany and is produced locally in Africa. The 20-ft Cooltainer can operate both on the grid and completely self-sufficient, thanks to the integrated 5-kWp solar system. When we from Africa GreenTec operate the Cooltainer, farmers can rent boxes for their crops in the Cooltainer. However, the Cooltainer can also be purchased or rented as a complete solution.



21 m³ cold storage for 180 boxes
to minimize food loss



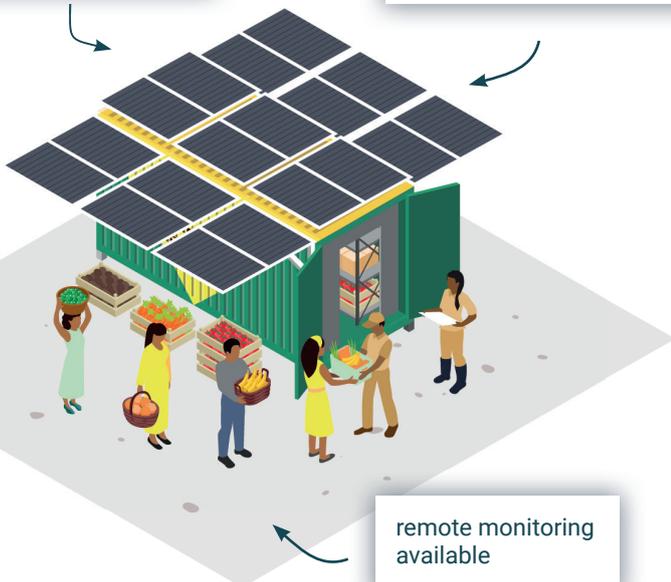
2 - 10 °C internal temperature
at up to 35 °C ambient temperature



Self-sufficient operation
without diesel, thanks to 5 kWp solar system incl. batteries

Plug & Play:
independent power supply

20 ft ISO container,
suitable for all common logistics solutions



Cooling as a service

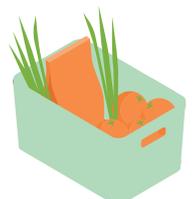
The Cooltainer provides farmers with cold storage space for their harvest so that it does not spoil in the heat. This is especially helpful during harvest time when, for example, a lot of tomatoes are harvested in a short time, but not all of them can be sold immediately. With the Cooltainer, our customers have the opportunity to individually rent cold storage space when they need it. This way they can get good prices for their goods over a longer period of time and food doesn't spoil prematurely.

50 liter boxes

Customers can rent a box for 1 day / 1 week / 1 month

At least 2 jobs

our employees, preferably women from the village, operate the Cooltainer and help the customers





The Cooltainer will help me keep my crop fresh longer so I can sell it at a good price at market for a longer period of time.

Bara N'diaye
Farmer from N'diob, Senegal



Cooltainer

Available as: Cooling as a service (operation by AGT) or direct sale of Cooltainer as a product

Size	20 ft ISO Container
Internal dimensions	5 m x 2 m x 2 m = 20 m ³
Usable storage	9 m ³ = 180 boxes (50 liters/box)
Temperature level	2 - 10 °C with ambient temperature up to 35°C
Cooling technology	single phase condensing unit (hermetic sealed)
Refrigerant	R600a
Global Warming Potential	3
PV capacity	4,4 - 5,2 kWp
Battery capacity	10,5 - 21 kWh
Remote monitoring	possible
Best for	vegetables



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WE DO.

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