

### Cattlebox- Livestock Transport

#### Moving Livestock For Disaster Relief

In late 2017 Hurricane Maria wreaked havoc in the Caribbean and decimated livestock in the region. GEM 360 was contacted by a Puerto Rican Agricultural Company who had been awarded USDA grant funds to assist with re-population of island cattle. The customer needed a solution to move live cattle from the US mainland to the Puerto Rico. The GEM 360 Cattle Box was designed, engineered, and built to provide a means to this end. The containers were outfitted with all of the provisions necessary to provide a safe and nourishing environment for the cattle to journey by sea to their new home.

#### CattleBox Features:

- Modified cargo door widths
- Fully gasketed/sealed lower sill for waste containment
- Integral ventilation equipment in cargo doors
- Personnel access door for attendant

The container cargo doors were modified to create a smaller/offset door configuration which facilitated the load/unload of animals.

Needless to say, cattle can generate a lot of waste, making the doors and accompanying waste containment a key factor in the design of the equipment. A gasketed lower sill assembly was implemented to handle the task.

The ventilation and fresh air circulation system was integrated into the container cargo doors, allowing for fresh air to be continuously delivered.



While in transit the animals are attended to full-time by personnel. A small door was custom-built, allowing for the attendant to enter and leave the pens for watering, feeding, and any other concerns that would need dealt with in transit.

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