

Arya Flexible Hermetic Storage Structures (FHS)

FHS are hermetic storage structures that store non-perishable commodities over very long periods without any chemical pest control interventions. Each of these structures can store commodity volumes ranging from 50 MT to 300 MT. This technology has proven its utility in improving farm income by supporting aggregation and storage in the remotest of locations around Asia, Africa and Latin America.

The fact that FHS takes little time and manpower to install at almost any location and that it can be transported from one location to another with ease, brings in a lot of versatility in its use as a storage solution. Apart from versatility and mobility, the structure also provides for commodity quality upkeep without any chemical intervention. And hence this is the only available technology to store organically labelled produce in the world.

These flexible structures being hermetic in nature, insulate the stored material from outside air contact and drastically slow down any fungus growth. This is a huge benefit for the food industry sensitive to aflatoxin. Aflatoxin in maize is a serious health hazard since this can get into food chain through the poultry feed.

Hermetic storage technology is a tremendous fit for storage needs of smallholders and their farmer collectives. There is always a challenge to locate appropriate storage facilities near the farm gate. Usually the available storage facilities are located closer to larger mandis and are often out of reach of the small producers. FHS provides a viable alternative for democratisation of commodity storage.

FHS on-field implementation by Arya at scale

Arya partners with world's leading hermetic solution providers to bring this technology to India. The Arya team has implemented this technology at multiple locations servicing the needs of smallholders, FPOs and commodity end-users. More than 10,000 MT of agriculture produce have been stored in FHS across the states of Bihar, Andhra Pradesh, Uttarakhand, Karnataka and Gujarat. The technology has proven effective to store a wide range of agriculture commodities in areas that lack storage facilities. The Company is further scaling up this technology at other locations.

