

Reducing transport costs for large silos

Zeppelin Systems, Friedrichshafen, Germany, points out that silos of 3.5m diameter and above can be very expensive to deliver to site and it can happen that for large distances transport costs may even exceed the price of the silo itself. Similarly it can also be very expensive to fabricate the storage vessel on the customer's site since quality assurance standards call for high expenditures of time and money. The company has developed the Panel Tec concept which is specially economic for bins of 500m³ and above: after manufacture of the individual silo roof, silo cone and cylindrical silo shell segments in the workshop, additional flanges are welded to the segments in order to facilitate and accelerate assembly on site later on. Maximum height of the individual segments is 2m which allows transport to site in standard containers, facilitates bolting at the assembly site and makes automated welding possible. The first Panel Tec silos are already being used for storing polypropylene in Brazil, India and Thailand. www.zeppelin-systems.com



Zeppelin's Panel Tec silo concept involves modular construction, bolted assembly and internal welding