

MULTI-PURPOSE GRAIN INTAKE



ASCON AFRICA has been designing grain intakes of all descriptions for over 40 years.

This paper discusses the development of the top end multi purpose heavy duty road/rail/weighbridge/intake/bulk outloading combo.



The structure can accommodate any or all of the following on the same deck.

- Incoming bulk delivery by road
- Incoming bulk delivery by rail
- in-line weighing
- outgoing bulk out-loading by road or rail

The above eliminates the component individual structures by merging them into one facility.

This enables cost savings on the construction of the components, and on the mechanical and conveying equipment.

It also enables much faster discharge and out-loading times. This achieved by the delivery or collecting vehicle, road or rail or both, not having to be moved for weighing, dumping or collecting, and taring.

Other attractive features of the construction include the elimination of underground chambers. The design minimises the depth of the structure reducing the ingress of water in all areas, but especially in the cross tunnel. The construction method has been significantly simplified, resulting in cost savings.

The integration of a number of grain structures into one, and simplifying the construction thereof reduces the overall costs. There are operational savings resulting from the potential for the fast turnaround of delivery and collection vehicles.

Ascon recently delivered a double road/rail dumper with in-line load cells, and overhead bulk out-loading bins at the Maputo Port Grain Terminal. This, a top of the range facility, is capable of accepting 600MT per hour off take from vessels into the main silos, and bulk discharge by road or rail into each of the two intake hoppers at 200MT per hour. The three overhead bulk out-loading bins have a capacity of 50MT each, feeding both road and rail vehicles.

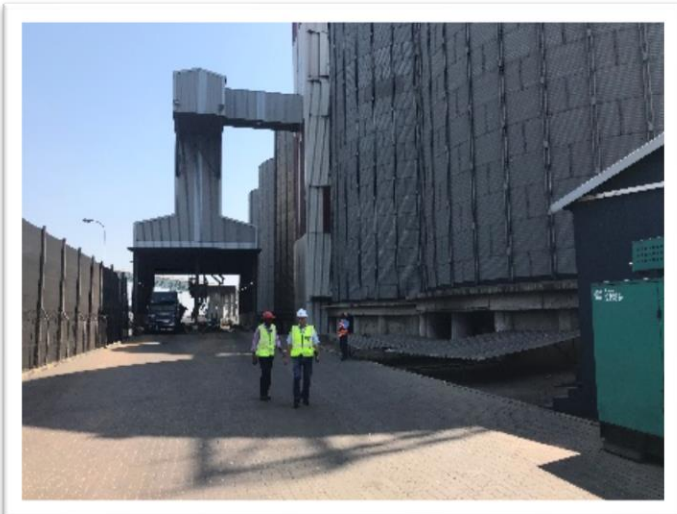
Any combination of the above can be supplied;

- Road intake no weighing
- Road intake with in line weighing

- Rail intake with no weighing
- Rail intake with in line weighing
- Road + rail intake with or without weighing
- Any or all of the above with bulk out-loading.

These options can be offered on a turnkey basis

Examples of what we do;



Combo Structure



Road / Rail access incl inline weighbridge



Bulk Outloading



Bulk Intake Trough



ASCON AFRICA

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ABOUT US

Ascon Africa is a privately owned independent **Engineering, Procurement, Construction and Management firm (E.P.C.M)**, originally established in Zimbabwe in 1959. It operated as part of the Scott Wilson International Group from 1983 to 2004, before reverting back to Ascon Africa.

Ascon Africa offers diverse infrastructure development professional services and construction, throughout Sub-Sahara Africa, utilizing the decentralized methods of management in order to ensure independence to harness and maximize associated expertise.

Our team comprises professionals who possess extensive experience in their respective fields of infrastructure development.

Ascon Africa also associates itself with reputable firms in other sectors in order to strengthen its project delivery capability and increase its capacity. It is our extensive knowledge as well as the understanding of continuous business transformation that puts us in the forefront of our competitors.

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