

Application: Bitumen Loading Systems in Angola

Devices: 4 Batching Master 110
4 Optimass 7050, T50
2 Printing systems for the batch data

Customer:



Angobetumes
Lobito, Angola

Industries: Chemical Industries

Product: Liquid Bitumen

Application:

Liquid Bitumen is stored in heated tanks at a temperature of 150°C and will be filled into road tankers and containers at about 135°C.

The flow rate of the Bitumen is measured by the KROHNE mass flow meter **Optimass 7050 T50** which works with one single straight measuring tube, that minimize the pressure drop in the pipe. The size of the flow meter is DN 50, the measuring range is 0 - 50.000 kg/h and the flowrate during the batch is 42.000 kg/h.



The batching process is controlled by the **Batching Master 110** which works as a stand alone unit. It indicates all required information for a safe and exact batch process direct at the filling station.

Road tankers and special containers for Bitumen are loaded with maximal 28.000 kg product at maximum with an accuracy of better 0,5%.

A printer multiplex system PCC 300B communicates with the 4 Batching Master 110 via a Modbus interface. Two printers are connected to the PCC 300B, one in the loading office and the other at a distance of 150 m in a commercial office. They print the batch data after each filling process.

Pictures:

