



**Alumar Torque Unloader
Structural Condition Survey
Sao Luis, Maranhao, Brazil**

Alumar has been operating a Paceco Torque unloader, DM-11, at their bauxite refinery facility in Sao Luis, Brazil, since it was built in 1983.

Liftech performed a structural condition survey of the unloader structure and presented significant findings and recommendations in the structural assessment report.

Liftech identified cracks in the boom and other critical members during the observations and assisted Alumar with emergency repairs of the boom so the unloader could resume operation.

Client:
McKay International Engineers
Benicia, California

Owner:
Consortio de Alumínio do Maranhao (Alumar)
Sao Luis, Maranhao, Brazil