PROBLEM SOLVED™ PAPER

SOLUTION: Martin® Trackers

INDUSTRY: Steel

LOCATION: ArcelorMittal in Michoacán, México

Before - ArcelorMittal had problem with belt misalignment that resulted in coal spillage on one of the main conveyors.

PROBLEM

ArcelorMittal, located in Michoacán, México is an integrated steel complex producing flat steel (Steel slabs) and long steel for both domestic use and export. They were having a problem with belt misalignment on one of the main conveyors, causing spillage of coal along the sides of the belt. As a result, the conveyor would be shut down so employees could manually clean the area.

After - Martin installed two Martin® Trackers™, one upper unit and one lower unit, to keep the belt tracking perfectly.

SOLUTION

After surveying the problem, Martin recommended installing two aligners; one upper Martin® Tracker™ and one lower Martin® Tracker™. To keep the belt centered in the loading zone, the Lower Unit is installed on the conveyor's return side before the belt reaches the tail pulley. The Upper Unit is installed after the load zone to keep the belt tracking perfectly. The Martin® Tracker™ provides immediate, powerful and continuous steering to correct the belt's path, prevent spillage, equipment damage and time consuming repairs and cleanup. The Martin® Tracker™ is available in 3 models to match the requirements of each application.

The Martin® Trackers™helped ArcelorMittal eliminate excessive spillage by keeping the conveyor properly aligned.

RESULTS

The Martin® Trackers™ solved the problem of belt misalignment and helped ArcelorMittal avoid the necessity of investing time and money to shutdown to clean the coal spillage from the sides of the conveyor. The installation of the aligners resulted in a reduction in shutdowns and lowered the costs, and thus optimized and increased their production. The client was very satisfied with the proposal and the work of Martin Engineering's team, and has ordered additional products and services from Martin.

Martin Engineering • One Martin Place • Neponset, IL 61345-9766 USA
Ph. 800-544-2947 • Fx. 800-814-1553 • info@martin-eng.com • www.martin-eng.com