

Crane Weighing and Overload Monitoring

Application Process Weighing

Industry Sector(s) Steel and other metals

The Customer

The customer is a major steel producer located in Sweden.

Customer Inquiry

The customer wanted to replace an existing weighing and overload monitoring control system for a harbor crane. The old system needed repairs, but no spare parts were available and the manufacturer had gone out of business. Finally replacement became an urgent matter after the authorities prohibited the old crane from being operated.

Solutions and Equipment

We supplied two-channel G4 instrument with a special software version for crane weighing and external displays. The system was adapted to the customer's existing control system. Channel #1 is used for weighing and monitoring actual load, via the existing load cell, while Channel #2 is used for monitoring and measuring the outreach of the crane beam via the existing inclinometer. The overload limit depends on the position of the crane beam. We also supplied mechanical and electrical installation, start-up, and calibration.

Key Features:

- G4 Multichannel instrument for monitoring load and beam outreach.
- Special software adapted for actual application, overload limit depending of crane beam position.
- Electrical installation adapted to existing control system, using existing cables.
- Short delivery and installation time

Customer Comments

The customer was very pleased with the new, upgraded weighing and overload monitoring system, and in particular appreciated the short delivery time and the opportunity to avoid changing the master control system or to replacing the load cell and inclinometer.

BLH / Nobel Weighing Systems
Brands of VPG Process Weighing

“Replacement of overload and weighing system was done without any problems and the upgraded system works according to specification given upfront”

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